

Appendix A. Supplementary Material

Appendix A.1. Examples of texts from each dataset

Section	Content
Full Text of the Article	games maker fights for survival one of britain s largest independent game makers argonaut games has been put up for sale. the london-based company behind the harry potter games has sacked about 100 employees due to a severe cash crisis. the administrators told bbc news online that selling argonaut was the only way to save it as it had run out of cash. argonaut warned that it was low on cash 10 days ago when its shares were suspended from trading on the london stock exchange. argonaut has been making games for some 18 years and is one the largest independent games developers in the uk. along with its headquarters in north london it operates studios in cambridge and sheffield. argonaut was behind the harry potter games which provided a healthy flow of cash into the company. but like all software developers argonaut needed a constant flow of deals with publishers. signs that it was in trouble emerged in august when it warned it was heading for losses of £6m in the financial year due to delays in signing new contracts for games. those new deals were further delayed leading argonaut to warn in mid-october that it was running out of cash and suspend trading of its shares on the london stock exchange. as part of cost-cutting measures some 100 employees were fired. when the news about the £6m loss came out we knew there were going to be redundancies said jason parkinson one of the game developers sacked by argonaut. a lot of people suspected that argonaut had been in trouble for some time he told bbc news online. mr parkinson said staff were told the job losses were necessary to save argonaut from going under. at the start of the year the company employed 268 people. after the latest round of cuts there are 80 staff at argonaut headquarters in edgware in north london with 17 at its morpheme offices in kentish town london and 22 at the just add monsters base in cambridge. argonaut called in administrators david rubin & partners on friday to find a way to rescue the company from collapse. it spent the weekend going over the company s finances and concluded that the only way to save the business was to put it up for sale. the administrator told bbc news online that the costs of restructuring would be too high partly because of the overheads from the company s four premises across the uk. it said it was hopeful that it could save some 110 jobs by selling the business saying it had had expressions of interest from several quarters and were looking for a quick sale. the administrator said it would ensure that staff made redundant would receive any wages redundancy or holiday pay due to them hopefully by christmas
Ground Truth Topic	Tech
Evaluation Topic	Business
Reason for the Difference	Bankruptcy is primarily a business-related topic because it deals with financial and legal aspects of a company’s operations. While the company in question belongs to the tech industry, the focus of the passage is on the business issue of bankruptcy and financial survival. Therefore, “business” is an acceptable and perhaps more accurate topic.

Table A.3: Detailed Example of Topic Evaluation on the “BBC” dataset

Section	Content
Full Text of the Article	<i>a ever-growing datasets inside observational astronomy have challenged scientists inside many aspects, including an efficient and interactive data exploration and visualization. many tools have been developed to confront this challenge. however, they usually focus on displaying a actual images or focus on visualizing patterns within catalogs inside the predefined way. inside this paper we introduce vizic, the python visualization library that builds a connection between images and catalogs through an interactive map of a sky region. vizic visualizes catalog data over the custom background canvas with the help of a shape, size and orientation of each object inside a catalog. a displayed objects inside a map are highly interactive and customizable comparing to those inside a images. these objects should be filtered by or colored by their properties, such as redshift and magnitude. they also should be sub-selected with the help of the lasso-like tool considering further analysis with the help of standard python functions from in the jupyter notebook. furthermore, vizic allows custom overlays to be appended dynamically on top of a sky map. we have initially implemented several overlays, namely, voronoi, delaunay, minimum spanning tree and healpix grid layers, which are helpful considering visualizing large-scale structure. all these overlays should be generated, added or removed interactively with one line of code. a catalog data was stored inside the non-relational database, and a interfaces were developed inside javascript and python to work within jupyter notebook, which allows to create custom widgets, user generated scripts to analyze and plot a data selected/displayed inside a interactive map. this unique design makes vizic the very powerful and flexible interactive analysis tool. vizic should be adopted inside variety of exercises, considering example, data inspection, clustering analysis, galaxy alignment studies, outlier identification or simply large-scale visualizations.</i>
Ground Truth Topic	Physics
Evaluation Topic	Computer Science
Reason for the Difference	The passage primarily relates to computer science due to its focus on data visualization, interactive tools, and software development (specifically a Python library). There are also elements of astronomy in the context of its application.

Table A.4: Detailed Example of Topic Evaluation on the “Papers” dataset

Section	Content
Full Text of the Article	<i>Streetkart Women’s & Girl’s Traditional Kutchi Art Work Sling Bag/Fashionable Sling Bag for Women/Stylish Polyester Sling Bag for Casual & Formal Wear Give you new look by carry this Hand-crafted embroidered Sling Bag from the house of Streetkart .This handbag are specially design by Artisans from kutchh .This is one of the most stylish and popular design of Sling Bag, suitable for both young girls and women. Stylish Sling perfect for parties and clubbing, or for casual daily use.This Bag Is Great Choice To Keep For All Girls And Women, It Makes A Fashion Statement And Provide A Fancy Space To Keep All Your Daily Essential.FEATURES :- The styling and warm colour reflects the latest season’s trends.The Straps Facilitate An Effortless Portability. This Sling bag Will Go Well With Formals And Casuals As Well. It brings you more casual or party feel and happy to carry it all the time.It comes with Stylish Solid Pattern A fashion bag full of personality, convenient for you to hold cash, coin, keys, Cellphone, cards .Perfect for all ages. Care Instructions: Do not expose to extreme heat and wipe with damp cloth .</i>
Ground Truth Topic	Household
Evaluation Topic	Clothing & Accessories
Reason for the Difference	The passage fits best under clothing & accessories since it describes a fashionable sling bag designed for women and girls.

Table A.5: Detailed Example of Topic Evaluation on the “E-Commerce” dataset

Section	Content
Full Text of the Article	<i>How about Kirlian imaging ? I believe the FAQ for sci.skeptics (sp?) has a nice write-up on this. They would certainly be most supportive on helping you to build such a device and connect to a 120Kvolt supply so that you can take a serious look at your “aura”... :-)</i>
Ground Truth Topic	Health
Evaluation Topic	Technology
Reason for the Difference	The passage fits best under clothing & accessories since it describes a fashionable sling bag designed for women and girls.

Table A.6: Detailed Example of Topic Evaluation on the “Newsgroups” dataset

Appendix A.2. Insights from Topic Modeling Across All Datasets

Table A.7: Comparison of LLM-Assigned, Validation, and Ground Truth Topics per Cluster in the BBC Dataset.

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
0.0	'EU Patent Law', 'Employment Law', 'Software Patents	business	'tech' 'business
1.0	'worldcom	business	'business' 'politics
2.0	Pensions	business	'politics
3.0	Entertainment News	entertainment	'entertainment
4.0	Doping scandal involving Greek sprinters Kostas Kenteris and Katerina Thanou	sport	'sport
5.0	Education	Books	'politics
6.0	business	business	'business
7.0	Technology	tech	'tech' 'business
8.0	Delta Air Lines	business	'business' 'tech' 'entertainment
9.0	'rugby', 'sports	sport	'sport
10.0	Movies/Films	entertainment	'entertainment
11.0	'mobile', 'phone', 'virus	tech	'tech
12.0	economy	business	'business
13.0	'uk', 'iraq	politics	'politics
14.0	The topic of these three articles appears to be "Finance" or "Economy", specifically focusing on various issues related to banking, investments, and economic reforms in different parts of the world (Egypt, China).	business	'business' 'politics
15.0	Politics	politics	'politics
16.0	Sports	sport	'sport
17.0	Manchester United FC	sport	'business' 'sport
18.0	Politics	politics	'politics
19.0	Arts Entertainment	entertainment	'entertainment
20.0	'uk', 'crime	politics	'politics
21.0	The topics of these articles appear to be about news from Japan and Cuba.	politics	'entertainment' 'business
22.0	'Music', 'Technology	entertainment	'tech' 'entertainment
23.0	Apple launches Mac Mini	tech	'tech
24.0	Elvis Presley	entertainment	'entertainment
25.0	Film news	entertainment	'entertainment
26.0	It's A Wonderful Life Musical Adaptation	entertainment	'entertainment
27.0	'Broadband', 'Mobile Phones	tech	'tech
28.0	Business/Finance	business	'business
29.0	'music	entertainment	'entertainment
30.0	'tsunami', 'aid	politics	'tech' 'business' 'politics
31.0	'Mobile phones	tech	'tech
32.0	'rugby	sport	'sport
33.0	'uk politics', 'education', 'entertainment	entertainment	'entertainment' 'politics
34.0	Technology	tech	'tech
35.0	'politicsassistant The topic of the text snippet is "Politics".	politics	'politics
36.0	The Oscars and Film Festivals	entertainment	'tech' 'entertainment
37.0	'YUKOS	business	'business
38.0	immigration	politics	'politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
39.0	The topics of the given text are: 1. Politics/Government 2. Entertainment/Arts	entertainment	'tech' 'entertainment' 'politics'
40.0	'Technology', 'Internet	tech	'tech'
41.0	Politics	politics	'politics'
42.0	The topic of the given text appears to be "Business" or "Finance", specifically discussing Quicksilver's potential acquisition of Rossignol, a French company that produces skiing equipment.	business	'business' 'tech'
43.0	Business/Finance	business	'business'
44.0	The topic of these articles appears to be "British Trade Unions" and "MG Rover".	business	'business' 'politics'
45.0	Music	entertainment	'entertainment'
46.0	Hunting Ban	politics	'politics'
47.0	'Broadband Challenges TV Viewing', 'Mobile Picture Power In Your Pocket	tech	'tech'
48.0	Football news	sport	'sport'
49.0	Laura Ashley CEO Resignation	business	'business'
50.0	Music Industry News	entertainment	'entertainment'
51.0	Business/Finance	business	'business'
52.0	Politics	politics	'politics'
53.0	'blogging	tech	'tech'
54.0	Religion	politics	'entertainment'
55.0	Football transfers and disputes between managers and players	sport	'sport'
56.0	'uk politics', 'crime	politics	'politics'
57.0	Consumer Concern Over RFID Tags	tech	'tech'
58.0	Business	business	'business'
59.0	Politics	politics	'politics' 'business'
60.0	Film Awards	entertainment	'entertainment'
61.0	'rugby', 'sports	sport	'sport'
62.0	movies	entertainment	'entertainment'
63.0	'politics', 'obituary', 'sports	politics	'politics' 'sport'
64.0	'Liverpool FC', 'Manchester City FC', 'Sunderland AFC', 'AC Milan	sport	'sport' 'business'
65.0	'Tennis', 'Sports	sport	'sport'
66.0	Music	entertainment	'entertainment'
67.0	economy	business	'business'
68.0	EastEnders	entertainment	'entertainment'
69.0	'eu', 'us	politics	'business'
70.0	'Technology', 'Business	business	'tech'
71.0	Art Entertainment	entertainment	'entertainment'
72.0	terrorism	politics	'politics'
73.0	Microsoft's entry into new markets: Blogging and Desktop Search	tech	'tech'
74.0	Business/Finance	business	'business'
75.0	Tennis	sport	'sport'
76.0	The topic of these articles appears to be General Motors' (GM) financial struggles and recalls, as well as Ford's financial reports and efforts to revitalize their product portfolio.	business	'business'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
77.0	Economy/Finance	business	'business
78.0	'Asian Tsunami	politics	'business
79.0	News articles	politics	'business
80.0	sony	tech	'tech
81.0	'gizmondo launches handheld games console', 'ds aims to touch gamers', 'nintendo handheld given euro date	entertainment	'tech
82.0	'oscar's', 'golden globes	entertainment	'entertainment
83.0	Tennis players facing challenges	sport	'sport
84.0	'rugby union', 'six nations	sport	'sport
85.0	'rugby	sport	'sport
86.0	News/Politics	politics	'business' 'politics
87.0	Minimum Wage Increase	politics	'politics' 'business
88.0	Football news	sport	'sport
89.0	education	household	'politics
90.0	The topic of the given text appears to be "Labor Issues" or "Workplace Concerns", specifically focusing on whistleblower protections, job cuts, strikes, and layoffs in various industries such as government, journalism, and manufacturing.	politics	'politics' 'business
91.0	'uk', 'uk	politics	'politics
92.0	'rugby', 'sports	sport	'sport
93.0	'rugby	sport	'sport
94.0	Assistive Technology	tech	'tech
95.0	music	entertainment	'entertainment
96.0	Music News	entertainment	'entertainment
97.0	Tony Blair's Middle East Peace Mission	politics	'politics
98.0	Corporate Scandals	business	'business
99.0	The Automotive Industry	business	'business
100.0	'uk politics	politics	'politics
101.0	Politics	politics	'politics
102.0	Cross Country Running	sport	'sport
103.0	'TV', 'Technology	entertainment	'tech
104.0	Guantánamo Bay	politics	'politics
105.0	Spyware	tech	'tech
106.0	The Arts	entertainment	'entertainment
107.0	Sports/Rugby Football	sport	'sport
108.0	'video games', 'movies	entertainment	'tech' 'entertainment
109.0	News/Politics	politics	'business
110.0	'lycos puts brakes on spam-fighting screensaver', 'screensaver tackles spam websites', 'have hackers recruited your pc	tech	'tech
111.0	'Spam', 'Spam	entertainment	'tech
112.0	Boeing	business	'business
113.0	Business/Finance/Economy	business	'business
114.0	'politics	politics	'politics
115.0	'Liberal Democrats', 'Election campaign	politics	'politics
116.0	Vera Drake	entertainment	'entertainment
117.0	'davis cup', 'tennis	sport	'sport
118.0	Football/Soccer	sport	'sport
119.0	'games', 'technology	entertainment	'tech
120.0	Technology/Computers	tech	'tech

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
121.0	The topic of these two identical articles appears to be "Lawsuit against HP over allegedly defective printer ink cartridges".	tech	'tech
122.0	'uk', 'politics	politics	'politics
123.0	Politics	politics	'politics
124.0	The topic of these three articles appears to be Comic Books/Superheroes	entertainment	'entertainment
125.0	Berlin Film Festival	entertainment	'entertainment
126.0	The topic of the given text appears to be "Financial Scandals"	business	'business
127.0	Business/Finance	business	'business
128.0	News/Politics	politics	'politics' 'entertainment
129.0	'politics	politics	'politics' 'tech
130.0	Entertainment News	entertainment	'entertainment
131.0	Entertainment News	entertainment	'entertainment
132.0	Music	entertainment	'entertainment
133.0	Music News	entertainment	'entertainment
134.0	Music Industry Developments	entertainment	'entertainment
135.0	'oscars', 'evans', 'printers	entertainment	'entertainment' 'tech
136.0	'politics	politics	'politics
137.0	'ukip targets labours heartlands', 'michael howard makes pitch for ethnic minority votes', 'immigration to be major election issue', 'liberal democrats targeting senior conservatives	politics	'politics
138.0	Ozzy Osbourne tackles burglar at Buckinghamshire home	entertainment	'tech' 'entertainment
139.0	News/Entertainment	entertainment	'business' 'entertainment
140.0	economy	business	'business
141.0	'Economic Indicators', 'Business/Economy	business	'business
142.0	The Arts	entertainment	'entertainment
143.0	Tennis	sport	'sport
144.0	Sports/Tennis; Literature/Awards	sport	'entertainment' 'sport
145.0	Obituary: Ossie Davis	entertainment	'entertainment
146.0	The topic of these three articles is Movies/-Film Industry	entertainment	'entertainment
147.0	Tony Blair	politics	'business' 'politics
148.0	'EU leaders congratulate Bush', 'EU Referendum Question Unveiled', "Kennedy Calls For Iraq Exit Plans", 'Blair Sees Greater Bush Consensus	politics	'politics
149.0	The main topic of the provided text appears to be related to "Racism in Football" specifically focusing on incidents involving Spain's national coach Luis Aragones and England's players during an international match.	sport	'sport
150.0	Technology Computing	tech	'tech
151.0	Technology	tech	'business' 'tech
152.0	Kelly Holmes' athletic performances, including her Olympic wins and potential participation in European Indoor Championships	sport	'sport

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
153.0	Box Office Results	entertainment	'entertainment
154.0	Japanese Beer Industry Shifts Towards Low-Tax Alternatives Amid Economic Downturn	business	'business
155.0	The main topics of these articles appear to be: * Fox's reliance on reality TV and its impact on ratings * Viacom paying a fine for indecency in its US radio and TV shows * Howard Stern being dropped from several radio stations for promoting his move to satellite radio However, the overarching theme or common thread among these articles seems to be "Controversies and Challenges in American Television and Radio".	entertainment	'entertainment
156.0	'aviation	business	'business
157.0	US-EU Trade Disputes	politics	'business
158.0	Technology	tech	'tech
159.0	'Technology	tech	'tech
160.0	sports	sport	'sport
161.0	Football/Soccer	sport	'sport
162.0	ArsA'ne Wenger's Contract Extension and Arsenal Football Club	sport	'sport
163.0	Television Ratings	entertainment	'entertainment
164.0	Technology and Consumer Trends	tech	'business' 'tech
165.0	Spamming	tech	'tech
166.0	'football	sport	'sport
167.0	'sports	sport	'sport
168.0	'sports	sport	'sport
169.0	Football news	sport	'sport
170.0	music	entertainment	'entertainment
171.0	Robbie Williams' "Angels" wins Best Song of the Past 25 Years at the Brit Awards, sparking debate among fans and critics about whether it truly deserves the title. Some argue that it's a classic and iconic song that appeals to a wide audience, while others feel that it's overrated and not representative of the best British music has to offer. The decision is seen as a reflection of the commercialization of the music industry and the influence of record companies on award shows.	entertainment	'entertainment
172.0	'asia quake', 'g7	politics	'business' 'politics
173.0	Turkey's Economy and EU Membership Bid	politics	'business
174.0	Political Party Funding	politics	'politics
175.0	Rugby	sport	'sport

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
176.0	'BT Offers Equal Access To Rivalsassistant The final answer is: ['BT Offers Equal Access To Rivals	business	'tech' 'business
177.0	'Technology	tech	'tech
178.0	Television	entertainment	'entertainment
179.0	filesharing	tech	'tech
180.0	'filesharing	tech	'tech
181.0	piracy	entertainment	'tech
182.0	'Music Piracy	entertainment	'entertainment' 'tech
183.0	The Three Gorges Dam Project	politics	'business
184.0	The topic of the text is Carlos Tevez's transfer from Boca Juniors to Corinthians.	sport	'sport
185.0	Humanitarian Aid	politics	'tech' 'politics
186.0	'rugby', 'sports	sport	'sport
187.0	'rugby', 'sports	sport	'sport
188.0	Arsenal F.C., Arsène Wenger, Football	sport	'sport
189.0	Football news	sport	'sport
190.0	Sports	sport	'sport' 'politics
191.0	Crime/Violence	politics	'politics' 'sport
192.0	Retail Sales	business	'business
193.0	The topics of these two articles are: 1. UK Property Market Slowdown 2. New Harry Potter Book Release	entertainment	'entertainment' 'business
194.0	Football news	sport	'sport
195.0	The topic of these articles appears to be about Adrian Mutu's dismissal from Chelsea Football Club due to failing a drug test and subsequent news related to his career.	sport	'sport
196.0	The topic of the text is Michael Howard's announcement that the Conservative Party supports Labour's plan to introduce ID cards despite some opposition from within the party.	politics	'politics
197.0	Pharmaceuticals	business	'business
198.0	Business/Finance	business	'business
199.0	Music	entertainment	'entertainment
200.0	The topic of these articles appears to be "Gun Violence" or "Crime".	politics	'entertainment
201.0	Economy	business	'business
202.0	Art Gallery News	entertainment	'entertainment' 'politics
203.0	Literature Awards	entertainment	'entertainment
204.0	Athletics	sport	'sport' 'entertainment
205.0	Sports	sport	'entertainment' 'sport
206.0	The topic of these articles appears to be "Business/Finance" or more specifically, "Company Earnings Reports".	business	'business
207.0	Dan Brown's novels	entertainment	'entertainment' 'politics
208.0	'rugby', 'sports	sport	'sport
209.0	The Republic of Ireland's World Cup Qualification Campaign	sport	'sport
210.0	Sports	sport	'sport

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
211.0	'crime', 'education', 'immigration	politics	'politics
212.0	'health', 'hiv	politics	'politics' 'business
213.0	US Budget Deficit	politics	'business
214.0	politics	politics	'entertainment' 'business
215.0	'politics	politics	'politics
216.0	Politics	politics	'politics
217.0	Business/Economy	business	'business
218.0	Economy/Trade	business	'business
219.0	'Business', 'Technology', 'Health	business	'politics' 'tech' 'business
220.0	Turkey's EU Membership Bid	politics	'politics
221.0	tennis	sport	'sport
222.0	'tennis', 'sports	sport	'sport
223.0	Celebrity Big Brother	entertainment	'entertainment
224.0	The topic of these articles appears to be British Reality TV Shows.	entertainment	'entertainment
225.0	The EU's Arms Embargo on China	politics	'politics
226.0	Politics	politics	'politics' 'business
227.0	'Fiat', 'Google	business	'business
228.0	The topic of these two articles appears to be "Financial scandals"	business	'business
229.0	'software', 'law	tech	'tech
230.0	Technology	tech	'tech
231.0	Energy/Oil Industry News	business	'business
232.0	Business/Finance	business	'business
233.0	'politics	politics	'politics
234.0	politics	politics	'politics
235.0	Sports video games	sport	'tech
236.0	Film Awards/Festivals	entertainment	'entertainment
237.0	BAFTA Awards	entertainment	'tech' 'entertainment
238.0	'Taiwan', 'US	politics	'tech
239.0	'japan', 'hybrid cars', 'blinx	tech	'business' 'tech
240.0	Banking/Finance	business	'business
241.0	Business/Economy	business	'business' 'entertainment
242.0	Scottish Rugby Disputes	sport	'sport
243.0	'sports	sport	'sport
244.0	Football transfers and injuries	sport	'sport
245.0	Manchester City Football Club	sport	'sport
246.0	Athletics	sport	'sport
247.0	Film Festival News	entertainment	'entertainment
248.0	Bollywood's Global Reach	entertainment	'entertainment
249.0	'Technology	tech	'tech
250.0	Technology	tech	'tech' 'entertainment
251.0	Politics	politics	'politics
252.0	International relations/Politics	politics	'politics
253.0	'Technology', 'Science	tech	'tech
254.0	'podcasting', 'latino hiphop	entertainment	'tech
255.0	The main topics of these articles appear to be: 1. Climate Change/Environment 2. Charity Single/Tsunami Relief 3. Tsunami/Africa Aid	entertainment	'tech' 'politics' 'entertainment
256.0	Digital Divide	politics	'tech' 'politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
257.0	The topic of these articles appears to be Labour's preparation for the upcoming UK General Election, including their campaign strategies, slogans, and efforts to address internal conflicts and improve their image.	politics	'politics
258.0	'uk politics	politics	'politics
259.0	Business/Finance	business	'business' 'sport
260.0	Rugby	sport	'sport
261.0	Oil Prices	business	'business
262.0	Oil Prices	business	'business
263.0	Business/Finance	business	'business
264.0	Business/Finance	business	'business
265.0	'video gamesassistant The topic of the text is "Video Games".	entertainment	'tech' 'business
266.0	'Technology	tech	'tech
267.0	The topic of these articles appears to be Film News/Reviews	entertainment	'entertainment
268.0	The Da Vinci Code Film Adaptation	entertainment	'entertainment
269.0	The topics of the given text are: 1. Millennium Dome Sale 2. Tsunami Relief Efforts 3. Insurance Claims After Natural Disasters	business	'politics' 'business
270.0	Business/Finance	business	'business
271.0	Business/Finance	business	'business' 'politics
272.0	Transportation/Politics	politics	'politics
273.0	entertainment news	entertainment	'entertainment
274.0	The topic of the text is "GoldenEye: Rogue Agent" video game review.	entertainment	'entertainment' 'tech
275.0	'Football', 'Sports	sport	'sport' 'tech
276.0	Football/Soccer	sport	'sport
277.0	The topics of these articles appear to be unrelated. The first article discusses UK Government plans to increase the number of authorized sites for Gypsy travelers, while giving councils greater power to remove unauthorized campsites. The second article reports on the introduction of Wi-Fi Internet access at the British Library in London.	politics	'politics' 'tech
278.0	Scottish Politics	politics	'politics
279.0	business	business	'business
280.0	Business/Finance	business	'business' 'tech
281.0	Tennis	sport	'sport
282.0	Tennis	sport	'sport
283.0	MCI Takeover Bid	business	'business
284.0	Business/Finance	business	'business
285.0	Rugby	sport	'sport' 'tech
286.0	Football match reports	sport	'sport

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
287.0	Airline Industry Finances	business	'business
288.0	Business/Corporate Changes	business	'business
289.0	Sports Injuries	sport	'sport
290.0	Football news	sport	'sport
291.0	'Russia', 'Oil	business	'business
292.0	Ukraine politics and economics	politics	'business
293.0	politics	politics	'politics
294.0	Gordon Brown's Africa Trip	politics	'politics
295.0	News	politics	'politics' 'entertainment
296.0	Mock General Election in UK Schools	politics	'politics
297.0	'Mobile Phones', 'Technology	tech	'tech
298.0	'camera phones', 'mobile multimedia	tech	'tech
299.0	'Technology', 'Science/Tech', 'Sci/Tech	tech	'tech
300.0	The topic of the provided text is: "Nicholas Negroponte's plan to develop a low-cost laptop computer for educational purposes."	tech	'tech
301.0	Television Shows	entertainment	'entertainment
302.0	US TV hosts	entertainment	'entertainment
303.0	Sports	sport	'sport' 'politics' 'tech
304.0	'rugby', 'tennis	sport	'sport
305.0	'Yahoo Celebrates A Decade Online	tech	'tech
306.0	'Firefox', 'Yahoo	tech	'tech
307.0	The topic of these articles appears to be "Brewing Industry" or "Beer Market".	business	'business
308.0	Business/Finance	business	'business
309.0	Gender equality in the workplace	business	'politics' 'entertainment
310.0	The main topics of these articles appear to be related to Children's welfare and rights in England, specifically: 1. Appointment of the first Children's Commissioner for England 2. Minimum rate for Foster Parents However, one article seems unrelated to the others, discussing Manufacturing Jobs. If I had to choose an overarching theme, I'd say "Children's Welfare" or "Social Services".	politics	'politics' 'business
311.0	The Automotive Industry	business	'business
312.0	The topic of these articles appears to be business/finance, specifically focusing on major companies' quarterly/yearly profits and performances.	business	'business
313.0	Celebrity News/Crime	entertainment	'entertainment
314.0	Politics/Entertainment	entertainment	'entertainment' 'politics
315.0	mobile phones	tech	'tech
316.0	The topic of the given text is: New Rules for Ringtones Sellers	business	'tech

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
317.0	The topics of the given text are: 1. UK Casinos Banned From Using US Tricks 2. Xbox Power Cable Fire Fear 3. Brussels Raps Mobile Call Charges 4. Orange Colour Clash Set For Court	business	'business' 'tech' 'politics
318.0	Google's Autolink Feature Sparks Concerns Over Commercial Links	tech	'tech
319.0	'Technology', 'Business	business	'tech
320.0	Technology	tech	'tech
321.0	Rugby	sport	'sport
322.0	Rugby	sport	'sport
323.0	'video gamesassistant The final answer is ['video games.	entertainment	'tech
324.0	Metal Slug 3	entertainment	'tech
325.0	'sports	sport	'sport
326.0	Football (Soccer)	sport	'sport
327.0	politics	politics	'politics
328.0	The topic of these two articles appears to be British politics, specifically discussions about potential reforms within the House of Lords and speculation surrounding the upcoming general election under Prime Minister Tony Blair's Labour government.	politics	'politics
329.0	Deutsche Börse's Bid for London Stock Exchange	business	'business
330.0	Business/Finance	business	'business
331.0	The topic of these articles appears to be news related to British politics and politicians, specifically controversies surrounding individuals associated with far-right or nationalist parties (BNP and UKIP).	politics	'politics
332.0	News/Politics	politics	'politics' 'entertainment
333.0	'business	business	'business
334.0	News/Politics	politics	'business' 'politics
335.0	'economy', 'politics	politics	'business
336.0	Financial Gifts for Children	business	'business
337.0	'mobile', 'phone	tech	'tech' 'business
338.0	The topic of these articles appears to be "Telecommunications"	tech	'tech
339.0	Music Charts	entertainment	'entertainment
340.0	The Economy/Job Market	business	'business
341.0	The Economy	business	'business
342.0	'uk politics	politics	'politics
343.0	Politics	politics	'politics
344.0	Music Awards	entertainment	'entertainment
345.0	Music Awards	entertainment	'entertainment

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
346.0	The topics of the given text are: 1. Document Security 2. Celebrity News/Gossip 3. Reality TV Show Betting Scandal	entertainment	'tech' 'entertainment
347.0	Censorship	politics	'entertainment
348.0	'Paula Radcliffe', 'Athletics	sport	'sport
349.0	London Marathon	sport	'sport
350.0	tennis	sport	'sport
351.0	The topic of this text is Michael Howard's admission of playing truant to play snooker during his school days.	sport	'politics
352.0	entertainment news	entertainment	'entertainment
353.0	Colin Farrell's US TV Debut	entertainment	'entertainment
354.0	'uk politics', 'terrorism	politics	'politics
355.0	The topic of the given text appears to be related to "Law Enforcement" or "Policing", specifically focusing on issues surrounding phone tap evidence, detention policies, and the roles of Community Support Officers (CSOs) in England and Wales.	politics	'politics
356.0	Business/Finance	business	'business
357.0	The topics of these articles appear to be: 1. A dispute between Greece and Denmark/Germany regarding the labeling of Feta Cheese. 2. BMW's plan to recall certain models of their cars due to a faulty diesel fuel injection pump.	business	'business
358.0	The topic of these two articles appears to be "Movies" or "Film", specifically focusing on premieres and festivals.	entertainment	'entertainment
359.0	Entertainment News	entertainment	'entertainment
360.0	'Microsoft', 'Windows	tech	'tech
361.0	Microsoft Security Software	tech	'tech
362.0	Government and Politics	politics	'politics
363.0	Immigration Policy	politics	'politics
364.0	Mining Industry	business	'business
365.0	Business/Economy	business	'business
366.0	'Robotics	tech	'tech
367.0	Technology	tech	'tech
368.0	'Technology	tech	'tech
369.0	Intel's Laser Breakthrough	tech	'tech
370.0	Tennis	sport	'sport
371.0	Tennis	sport	'sport
372.0	'athletics', 'cross-country running	sport	'sport
373.0	Sports	sport	'sport
374.0	'royal wedding announced', 'fosters buys stake in winemaker', 'tech helps disabled speed demons	business	'politics' 'business' 'tech

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
375.0	The topic of these two articles appears to be about Andrea Levy's novel "Small Island" winning the Whitbread Novel Award and its potential to win the overall Whitbread Book of the Year award.	entertainment	'entertainment
376.0	'Iran', 'South Africa', 'India	politics	'business
377.0	Tsunamis	politics	'business
378.0	Technology	tech	'tech
379.0	Britons' dissatisfaction with Internet Service Providers (ISPs)	business	'tech
380.0	Business	business	'business
381.0	Business Acquisition	business	'business
382.0	Business/Finance	business	'tech' 'business
383.0	Television shows	entertainment	'entertainment
384.0	Entertainment News	entertainment	'entertainment
385.0	Oscars	entertainment	'entertainment
386.0	US Economy Growth	business	'business
387.0	Economy	business	'business
388.0	'Politics	politics	'politics
389.0	The topic of these articles appears to be "Politics" specifically focusing on UK political news and Conservative Party policies.	politics	'business' 'politics
390.0	The topic of these articles appears to be "Technology" or more specifically "Cloud Computing".	tech	'tech
391.0	Technology for Development	tech	'tech
392.0	Arjen Robben's injury status regarding Chelsea vs Barcelona Champions League match	sport	'sport
393.0	Football	sport	'sport' 'business
394.0	'entertainment	entertainment	'entertainment
395.0	'oscars	entertainment	'entertainment
396.0	Entertainment News	entertainment	'entertainment
397.0	Box Office Results	entertainment	'entertainment
398.0	Movies	entertainment	'entertainment
399.0	Film Industry	entertainment	'entertainment
400.0	Pensions	business	'business
401.0	The main topics of these articles are: 1. Job Cuts 2. Textile Jobs 3. Economic Gloom	business	'business' 'politics
402.0	Video Games	entertainment	'tech' 'politics
403.0	The topics of the given text are: 1. Remote-Control Hunting 2. CSI Effect	entertainment	'tech' 'entertainment
404.0	Football news	sport	'sport
405.0	The topic of these two articles is Walter Smith's plans and opinions regarding Scotland's national football team.	sport	'sport
406.0	'iraq', 'davos	politics	'tech' 'business
407.0	Politics	politics	'politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
408.0	Business/Economy	business	'business
409.0	Energy Crisis	politics	'business
410.0	British Politics	politics	'politics
411.0	'uk news	politics	'politics
412.0	Music	entertainment	'entertainment
413.0	Music Festivals	entertainment	'entertainment
414.0	Banking and Finance	business	'business
415.0	Iraq's Telecommunications Development	business	'business
416.0	The US Dollar's Decline Against the Euro	business	'business
417.0	The topic of these two articles appears to be "Economy/Finance" as both discuss financial matters such as remittances, debt swaps, and economic stability in Mexico and Argentina respectively.	business	'business
418.0	'rugby	sport	'sport
419.0	'rugby', 'sports	sport	'sport
420.0	'Tennis', 'Sports	sport	'sport
421.0	The topic of these two identical articles appears to be "Equal Prize Money in Tennis", specifically focusing on Wimbledon's decision not to offer equal pay for male and female players, and reactions from top female players like Lindsay Davenport and Serena Williams.	sport	'sport
422.0	Doping in Athletics	sport	'sport
423.0	Athletics/Doping	sport	'sport
424.0	The topic of the text appears to be "Crime and Justice"	politics	'politics
425.0	'uk', 'world	politics	'tech' 'politics
426.0	Marion Jones Lawsuit Against Victor Conte	sport	'sport
427.0	BALCO Scandal	sport	'sport
428.0	French Economy	business	'business
429.0	The Economy	business	'business
430.0	Music Industry	entertainment	'entertainment
431.0	Music Awards	entertainment	'entertainment
432.0	'House Prices', 'House Prices	business	'business
433.0	UK Housing Market	business	'business
434.0	UK Politics	politics	'politics
435.0	The topic of these two articles appears to be the Liberal Democrats' prospects in an upcoming UK General Election.	politics	'politics
436.0	music	entertainment	'entertainment
437.0	The topic of these two articles is "Music" or more specifically "Rock Music".	entertainment	'entertainment
438.0	Corporate scandals	business	'business
439.0	Business/Corporate News	business	'business' 'entertainment
440.0	Portable Media Players	tech	'tech
441.0	The topic of these two articles appears to be "Digital Technology" specifically focusing on High-Definition TV (HDTV), Digital TV Adoption, Broadband Internet, and Gadgets.	tech	'tech
442.0	'uk', 'wales', 'scotland	politics	'politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
443.0	The topic of the given text appears to be "UK Politics" or specifically, the UK Budget and Pre-Election Campaigns.	politics	'politics
444.0	Football transfers and contracts	sport	'sport
445.0	Sports/ Football	sport	'sport
446.0	'rugby union	sport	'sport
447.0	Rugby injuries	sport	'sport
448.0	Liverpool FC	sport	'sport
449.0	Football	sport	'sport
450.0	Stem Cell Research	politics	'politics
451.0	The topics of these articles appear to be: 1. Politics/European Union Referendum 2. Retirement/Pensions/Age Discrimination 3. Technology/Online Communities/Government Initiatives	politics	'politics' 'tech
452.0	The topic of these articles appears to be British Comedy Awards and TV Shows.	entertainment	'entertainment
453.0	TV Shows	entertainment	'entertainment
454.0	'lleyton hewitt	sport	'sport
455.0	Tennis	sport	'sport
456.0	'casual', 'games	entertainment	'tech
457.0	Video Games	entertainment	'tech
458.0	Cybercrime	tech	'tech
459.0	The topic of the text appears to be "Rogue Dialling Scams" or "Internet Phone Scams".	tech	'business' 'tech
460.0	Music Memorials	entertainment	'entertainment
461.0	Music	entertainment	'entertainment
462.0	The topic of these two articles appears to be about Charlie Simpson leaving the British pop-rock band Busted to pursue another musical project called Fightstar.	entertainment	'entertainment
463.0	Hip-Hop/Rap Music News	entertainment	'entertainment
464.0	Business/Finance	business	'business
465.0	Business/Finance	business	'business
466.0	Football (Soccer)	sport	'sport
467.0	'football', 'sports	sport	'sport
468.0	Japan Economy	business	'business
469.0	The Economy/Finance	business	'business
470.0	Football transfers	sport	'sport
471.0	The topic of these two articles appears to be Juninho's potential departure from Celtic due to lack of playing time and his desire to discuss his role with manager Martin O'Neill.	sport	'sport
472.0	Music	entertainment	'entertainment
473.0	Music News	entertainment	'entertainment
474.0	'Blu-Ray	entertainment	'tech
475.0	Film industry	entertainment	'tech' 'entertainment
476.0	The topic of these articles appears to be "Political Parties' Use of Cold Calls During Elections"	politics	'politics' 'tech

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
477.0	ID Cards	politics	'politics
478.0	Athletics	sport	'sport
479.0	Iranian athlete boycotts Israel	sport	'sport
480.0	Apple vs Bloggers	tech	'tech
481.0	Lawsuits related to Apple and Wal-Mart	business	'entertainment' 'tech
482.0	Tennis	sport	'sport
483.0	Tennis	sport	'sport
484.0	Football	sport	'sport' 'business
485.0	Sports news: Rugby and Football contracts	sport	'sport
486.0	TV	entertainment	'tech' 'entertainment
487.0	Entertainment news	entertainment	'entertainment
488.0	China	politics	'business
489.0	China's Economy Continues Breakneck Growth, Ripe for Media Explosion	business	'business' 'tech
490.0	Animal Welfare	politics	'politics
491.0	Child Access System Criticized by MPs	politics	'politics
492.0	Oscars	entertainment	'entertainment
493.0	'The Academy Awards', 'Oscars	entertainment	'entertainment
494.0	The topic of this text is: Older Voters' Influence in UK Elections	politics	'politics
495.0	The topic of these two articles appears to be "Politics"	politics	'politics
496.0	Athletics/European Indoor Championships	sport	'sport
497.0	Athletics/European Indoor Championships	sport	'sport
498.0	Football/Soccer	sport	'sport
499.0	FIFA World Player of the Year Award	sport	'sport
500.0	UK Politics/Law	politics	'politics
501.0	Politics	politics	'politics
502.0	China's Economy	business	'business
503.0	Singapore's Economic Growth in 2004	business	'business
504.0	The movie "Ray"	entertainment	'entertainment
505.0	The topic of these articles appears to be "Movies" or "Film Awards".	entertainment	'entertainment
506.0	Unemployment in Germany	politics	'business
507.0	Unemployment rates	business	'business
508.0	The topic of both articles appears to be "Economic Development" or "Poverty Reduction".	politics	'business
509.0	The topic of these texts is Argentina's Economic Crisis and Recovery.	business	'business
510.0	Television Controversies	entertainment	'entertainment
511.0	Man sells ad space on forehead	business	'tech
512.0	Football	sport	'sport
513.0	Football/Soccer	sport	'sport
514.0	EU aims to fuel development aid	politics	'business
515.0	The topic of the given text appears to be UK's relationship with the European Union, specifically discussions around the UK's rebate, EU budget, and potential adoption of the Euro currency.	politics	'politics
516.0	'sports', 'technology	sport	'sport' 'tech
517.0	UK Athletics' New Kit Deal with Adidas	sport	'sport
518.0	Football (Soccer)	sport	'sport
519.0	Football match reports	sport	'sport

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
520.0	Football/Soccer	sport	'sport
521.0	Sports/Rugby	sport	'sport
522.0	The topics of the given texts are: 1. Workspace design and organization 2. Nuclear waste disposal	politics	'business' 'politics
523.0	The UK Government Launches "IT Safe" - A Free Internet Security Alert Service	tech	'politics' 'tech
524.0	'rugby	sport	'sport
525.0	Sports/Rugby	sport	'sport
526.0	The topic of the given text is "Identity Theft"	tech	'tech' 'business
527.0	The topic of this text is "Employee Monitoring Software".	tech	'tech
528.0	'energyassistant The final answer is: \$\boxed{'energy'}\$	business	'business
529.0	Russia's economy and international relations	politics	'business
530.0	Tennis news updates	sport	'sport
531.0	Sports	sport	'sport
532.0	Rugby	sport	'sport
533.0	The topic of these articles appears to be sports, specifically Rugby Union and the Six Nations Championship.	sport	'sport
534.0	Aviation Industry Financial Difficulties	business	'business
535.0	The topic of the two articles appears to be "Business/Finance" with a focus on companies in the travel industry (cruise line and airline).	business	'business
536.0	The topic of the given text appears to be "Automotive Industry" or specifically "Luxury Car Market".	business	'business
537.0	The topic of the given text appears to be "Automotive Industry News"	business	'business
538.0	Wales Rugby Team	sport	'sport
539.0	Rugby	sport	'sport
540.0	The topic of these articles appears to be British Comedy News.	entertainment	'entertainment
541.0	The topic of these articles appears to be Entertainment News, specifically focusing on television shows (The Simpsons, The Office) and film awards (Oscars).	entertainment	'entertainment
542.0	'athletics', 'sports	sport	'sport
543.0	athletics	sport	'sport
544.0	'search	tech	'tech
545.0	Search Engines	tech	'tech
546.0	Jim Morrison's early life before The Doors	entertainment	'entertainment
547.0	The topic of these two articles appears to be "Book-to-Film Adaptations".	entertainment	'entertainment
548.0	Tennis	sport	'sport
549.0	Tennis	sport	'sport
550.0	Nasdaq Planning \$100M Share Sale	business	'business
551.0	Business/Finance	business	'business

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
552.0	International Politics/Economy	politics	'business
553.0	Lufthansa May Sue Over Bush Visit Disruption	politics	'business
554.0	Music News	entertainment	'entertainment
555.0	Music Industry	entertainment	'entertainment
556.0	Football Association (FA) decisions regarding Jos�� Mourinho's behavior	sport	'sport
557.0	Football/Soccer	sport	'sport
558.0	Music	entertainment	'entertainment
559.0	Music/Rock Bands	entertainment	'entertainment
560.0	The topics of these two articles appear to be unrelated. The first article's topic is "Hans Christian Andersen Bicentenary Celebrations". The second article's topic is "Obituary: Dame Alicia Markova".	entertainment	'entertainment
561.0	Entertainment News	entertainment	'entertainment
562.0	Music Download Services	entertainment	'tech' 'entertainment
563.0	'Technology', 'Music	entertainment	'tech
564.0	The topic of this text is "Marcello Viotti's death" or more broadly "Obituary".	entertainment	'entertainment
565.0	'entertainmentassistant The topic of the given news article snippet is "Entertainment".	entertainment	'entertainment
566.0	Politics	politics	'politics
567.0	UKIP Controversy	politics	'politics
568.0	'interest', 'rates	business	'business
569.0	US Interest Rates	business	'business
570.0	The Securities and Exchange Commission's Sarbanes-Oxley Act and its impact on foreign firms listed on US stock exchanges.	business	'business
571.0	Business/Finance	business	'business
572.0	Cybersecurity	tech	'tech
573.0	The two topics are "Muslim Group Criticizes TV Drama" and "Row Threatens Hendrix Museum Plan".	entertainment	'entertainment
574.0	Business news	business	'business
575.0	The topic of this text is: Argonaut Games' Financial Crisis	business	'tech
576.0	The Oscars	entertainment	'entertainment
577.0	Film Awards	entertainment	'entertainment
578.0	Athletics/Track and Field	sport	'sport
579.0	Athletics	sport	'sport
580.0	'Half-Life 2 review: The PC game that revolutionized the industry', 'TV viewers given power to rewrite scripts	entertainment	'tech
581.0	Box Office Results	entertainment	'entertainment
582.0	computer virus	tech	'tech
583.0	FBI warns of email scam containing malware	tech	'tech

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
584.0	The main topics of the given text appear to be related to politics, specifically: 1. Policing and Crime Prevention 2. Anti-Social Behavior Orders (ASBOs) 3. Community Support Officers (CSOs) These topics seem to dominate the content of the provided articles.	politics	'politics
585.0	David Blunkett	politics	'politics
586.0	Athletics	sport	'sport
587.0	Athletics/Sprinting	sport	'sport
588.0	The topic of the given text appears to be "Ken Livingstone's controversial comments about Jewish people".	politics	'politics
589.0	The topic of the given text is "Politics"	politics	'politics
590.0	Rugby	sport	'sport
591.0	Rugby Union	sport	'sport
592.0	Rugby	sport	'sport
593.0	Football management	sport	'sport
594.0	Box Office Results	entertainment	'entertainment
595.0	The Incredibles wins Animation Awards	entertainment	'entertainment
596.0	Lawsuits	business	'business' 'tech
597.0	The topics of these articles appear to be: 1. A Bollywood DVD fraudster being jailed for selling pirated DVDs. 2. South Korea's LG Card facing potential liquidation unless its former parent company agrees to a bailout deal.	business	'entertainment' 'business
598.0	The topic of both articles appears to be "Business/Industry News", specifically focusing on companies facing legal or financial challenges: Balfour Beatty (engineering firm) and UK Coal (mining group).	business	'business' 'politics
599.0	The two topics are: 1. British Musicians vs US Visa Regulations 2. Death of McDonald's Boss Charlie Bell	business	'entertainment' 'business

Table A.8: Comparison of LLM-Assigned, Validation, and Ground Truth Topics per Cluster in the Papers Dataset.

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
0.0	Graphene	Physics	'Physics' 'Mathematics
1.0	Causal Inference	Statistics	'Computer Science' 'Statistics' 'Mathematics
2.0	'Astrometry', 'Planetary Sciences', 'Galaxies and Cosmology', 'Earth and Planetary Astrophysics	Physics	'Statistics' 'Physics' 'Mathematics' 'Computer Science
3.0	Deep Learning Architectures	Computer Science	'Computer Science' 'Statistics
4.0	Dialogue Systems	Computer Science	'Statistics' 'Computer Science

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
5.0	Robotics	Computer Science	'Computer Science' 'Mathematics'
6.0	Medical Imaging Analysis using Deep Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics'
7.0	Fluid Dynamics	Physics	'Mathematics' 'Physics'
8.0	The topic of the given text appears to be "Astrophysics" or more specifically, topics related to star formation, stellar atmospheres, and interstellar medium.	Physics	'Physics'
9.0	Convolutional Neural Networks (CNNs) in Remote Sensing and Image Analysis	Computer Science	'Statistics' 'Computer Science' 'Physics'
10.0	Deep Learning Techniques	Computer Science	'Computer Science' 'Statistics'
11.0	Bioinformatics/Computational Biology	Computer Science	'Statistics' 'Computer Science'
12.0	Robotics	Computer Science	'Computer Science'
13.0	astro-ph.HE', 'astro-ph.GA', 'astro-ph.CO', 'astro-ph.SR'	Physics	'Physics'
14.0	Generative Adversarial Networks (GANs)	Computer Science	'Computer Science' 'Statistics' 'Physics'
15.0	Wave Equations	Mathematics	'Mathematics' 'Physics'
16.0	Bayesian Inference and Signal Processing	Statistics	'Physics' 'Mathematics' 'Statistics' 'Computer Science'
17.0	Quantum Information Theory	Physics	'Computer Science' 'Physics' 'Mathematics' 'Statistics'
18.0	Artificial Intelligence	Computer Science	'Computer Science' 'Statistics'
19.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics'
20.0	Black Holes	Physics	'Physics'
21.0	Theoretical Physics/Cosmology	Physics	'Physics' 'Mathematics'
22.0	Deep Learning Optimization Techniques	Computer Science	'Computer Science' 'Statistics' 'Physics' 'Mathematics'
23.0	Physics	Physics	'Mathematics' 'Physics' 'Computer Science' 'Statistics'
24.0	Astronomy/Astrophysics	Physics	'Physics' 'Statistics'
25.0	Machine Learning in Scientific Research	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
26.0	Star Formation	Physics	'Physics'
27.0	Biomedical Signal Processing	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
28.0	Astronomy/Astrophysics	Physics	'Physics' 'Computer Science'
29.0	Physics	Physics	'Physics' 'Mathematics'
30.0	Number theory	Mathematics	'Mathematics'
31.0	Statistical Learning Theory	Computer Science	'Mathematics' 'Computer Science' 'Statistics'
32.0	Theoretical Computer Science	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
33.0	Number Theory	Mathematics	'Mathematics' 'Computer Science'
34.0	Network Analysis	Computer Science	'Computer Science' 'Statistics' 'Mathematics' 'Physics'
35.0	Condensed Matter Physics	Physics	'Physics'
36.0	Machine Learning Algorithms	Computer Science	'Mathematics' 'Computer Science' 'Statistics'
37.0	The topic of the given text appears to be Exoplanetary Science, specifically focusing on various aspects of planetary formation, evolution, and habitability.	Physics	'Physics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
38.0	The topic of these texts appears to be Planetary Science or Astrophysics, specifically focusing on topics related to the formation and evolution of celestial bodies in our Solar System.	Physics	'Physics
39.0	Wireless Networking	Computer Science	'Computer Science' 'Mathematics' 'Statistics
40.0	Distributed Control Systems	Computer Science	'Computer Science' 'Mathematics' 'Statistics
41.0	Bayesian Statistics	'Statistics'	'Statistics' 'Computer Science' 'Mathematics
42.0	Number Theory	Mathematics	'Mathematics' 'Computer Science
43.0	Speech Recognition	Computer Science	'Computer Science' 'Statistics' 'Mathematics
44.0	Optimal Control Theory	Mathematics	'Physics' 'Computer Science' 'Mathematics
45.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
46.0	Network Science	Computer Science	'Computer Science' 'Statistics' 'Mathematics
47.0	Social Network Analysis	Computer Science	'Computer Science' 'Statistics' 'Mathematics
48.0	Mathematics	Mathematics	'Mathematics' 'Physics
49.0	Recurrent Neural Networks	Computer Science	'Computer Science' 'Statistics
50.0	Network Analysis	Computer Science	'Computer Science' 'Statistics' 'Mathematics
51.0	Differential Geometry	Mathematics	'Mathematics
52.0	Control Systems	Computer Science	'Computer Science' 'Statistics' 'Mathematics' 'Physics
53.0	Control Theory	Mathematics	'Mathematics' 'Computer Science' 'Statistics
54.0	Quantum Physics	Physics	'Physics' 'Mathematics' 'Computer Science
55.0	Differential Geometry	Mathematics	'Mathematics
56.0	Exoplanet Atmosphere Characterization	Physics	'Physics
57.0	The topic of the given text appears to be "Electric Power Systems"	Physics	'Mathematics' 'Computer Science
58.0	Dark Matter Research	Physics	'Physics
59.0	The topic of the given text appears to be High-Energy Particle Physics/Astrophysics Research	Physics	'Physics' 'Statistics' 'Computer Science
60.0	Materials Science	Physics	'Physics
61.0	Optimization	Mathematics	'Computer Science' 'Statistics' 'Mathematics' 'Physics
62.0	Signal Processing	Computer Science	'Computer Science' 'Statistics' 'Mathematics
63.0	Representation Theory	Mathematics	'Mathematics
64.0	Algebra	Mathematics	'Mathematics
65.0	Statistical Modeling	Statistics	'Statistics' 'Computer Science' 'Mathematics
66.0	Materials Science	Physics	'Mathematics' 'Computer Science' 'Statistics' 'Physics
67.0	Deep Learning Optimization Techniques	Computer Science	'Computer Science' 'Statistics
68.0	Deep Learning	Computer Science	'Computer Science' 'Statistics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
69.0	Materials Science	Physics	'Physics' 'Statistics'
70.0	The topic of the given text appears to be "Spintronics" or more specifically, research in Spin-based Electronics and Magnetism.	Physics	'Physics'
71.0	Magnetism	Physics	'Physics'
72.0	Condensed Matter Physics	Physics	'Physics'
73.0	Quantum Spin Liquids	Physics	'Physics'
74.0	Machine Learning/Artificial Intelligence	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
75.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
76.0	Computer Science	Computer Science	'Computer Science' 'Physics' 'Mathematics' 'Statistics'
77.0	Wireless Communication Systems	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
78.0	Representation Theory	Mathematics	'Mathematics'
79.0	Number Theory	Mathematics	'Mathematics'
80.0	The topic of these texts appears to be Quantum Physics, specifically topics in Condensed Matter Physics and Ultracold Atoms.	Physics	'Physics' 'Mathematics'
81.0	Machine Learning/Artificial Intelligence	Computer Science	'Computer Science' 'Statistics'
82.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
83.0	The topic of the given text appears to be related to scientific research in fields such as physics, optics, and computer science, specifically focusing on topics like X-ray lasers, protein structure determination, spectroscopy, imaging techniques, phase retrieval algorithms, and symmetry detection in images.	Physics	'Computer Science' 'Physics' 'Statistics' 'Mathematics'
84.0	Physics	Physics	'Computer Science' 'Physics' 'Statistics' 'Mathematics'
85.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
86.0	Fluid Dynamics	Physics	'Physics'
87.0	Materials Science	Physics	'Physics' 'Mathematics' 'Statistics'
88.0	Millimeter Wave Communication Systems	Computer Science	'Computer Science' 'Physics'
89.0	Wireless Communication Systems	Computer Science	'Computer Science' 'Physics' 'Mathematics' 'Statistics'
90.0	Topology in Materials Science	Physics	'Physics' 'Mathematics'
91.0	Topology	Mathematics	'Physics' 'Computer Science'
92.0	Stochastic Gradient Descent Algorithms	Computer Science	'Mathematics' 'Statistics' 'Computer Science'
93.0	Machine Learning	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
94.0	Control Systems	Computer Science	'Computer Science' 'Statistics' 'Physics' 'Mathematics'
95.0	Wireless Communication Systems	Computer Science	'Computer Science' 'Statistics'
96.0	Density Functional Theory	Physics	'Physics' 'Mathematics'
97.0	Materials Science	Physics	'Physics' 'Computer Science' 'Statistics' 'Mathematics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
98.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics' 'Physics
99.0	Statistical Methods in Machine Learning	Statistics	'Statistics' 'Mathematics' 'Computer Science
100.0	Optimization	Mathematics	'Computer Science' 'Mathematics
101.0	Computer Science	Computer Science	'Computer Science' 'Mathematics' 'Physics' 'Statistics
102.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
103.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
104.0	Data Science	Computer Science	'Computer Science' 'Statistics' 'Mathematics' 'Physics
105.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics' 'Physics
106.0	Deep Learning Models	Computer Science	'Statistics' 'Computer Science
107.0	Variational Autoencoders	Computer Science	'Computer Science' 'Statistics
108.0	Partial Differential Equations	Mathematics	'Mathematics
109.0	Partial Differential Equations	Mathematics	'Mathematics
110.0	Computer Science.	Computer Science	'Computer Science' 'Statistics' 'Mathematics
111.0	Privacy in Online Social Networks	Computer Science	'Computer Science' 'Mathematics' 'Statistics
112.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
113.0	Reinforcement Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
114.0	Artificial Intelligence	Computer Science	'Statistics' 'Computer Science
115.0	Recommendation Systems	Computer Science	'Computer Science' 'Statistics
116.0	Computer Science	Computer Science	'Computer Science' 'Mathematics' 'Statistics
117.0	Differential Geometry	Mathematics	'Mathematics
118.0	Differential Geometry	Mathematics	'Mathematics
119.0	Materials Science	Physics	'Physics
120.0	Network Science	Computer Science	'Computer Science' 'Mathematics
121.0	Community Detection	Computer Science	'Computer Science' 'Mathematics' 'Statistics
122.0	Biotechnology	Statistics	'Computer Science' 'Statistics
123.0	Computer Science	Computer Science	'Computer Science' 'Physics' 'Statistics
124.0	Optimization	Mathematics	'Computer Science' 'Mathematics
125.0	Signal Processing	Computer Science	'Computer Science' 'Mathematics' 'Statistics' 'Physics
126.0	Riemannian Geometry	Mathematics	'Mathematics' 'Computer Science
127.0	Differential Geometry	Mathematics	'Mathematics
128.0	Superconductivity in Pnictides and Chalcogenides	Physics	'Physics
129.0	Cuprate Superconductors	Physics	'Physics
130.0	Physics	Physics	'Mathematics' 'Physics' 'Computer Science' 'Statistics
131.0	Physics	Physics	'Statistics' 'Computer Science' 'Physics' 'Mathematics
132.0	Representation Theory	Mathematics	'Mathematics
133.0	Lie Algebras	Mathematics	'Mathematics
134.0	Adversarial Attacks in Machine Learning	Computer Science	'Computer Science' 'Statistics
135.0	Adversarial Attacks in Machine Learning	Computer Science	'Computer Science' 'Statistics
136.0	Superconductivity	Physics	'Physics
137.0	Condensed Matter Physics	Physics	'Physics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
138.0	Graph Theory	Mathematics	'Statistics' 'Computer Science' 'Mathematics'
139.0	Graph Theory/Network Analysis	Computer Science	'Computer Science' 'Statistics'
140.0	Image Processing	Computer Science	'Computer Science' 'Statistics'
141.0	Image Processing	Computer Science	'Computer Science' 'Statistics'
142.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Physics'
143.0	Clustering Algorithms	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
144.0	Reinforcement Learning	Computer Science	'Statistics' 'Computer Science'
145.0	Reinforcement Learning	Computer Science	'Computer Science' 'Statistics'
146.0	Influence Maximization in Social Networks	Computer Science	'Computer Science' 'Statistics' 'Mathematics'
147.0	Social Network Analysis	Computer Science	'Computer Science' 'Statistics'
148.0	Mathematics	Mathematics	'Computer Science' 'Statistics' 'Mathematics' 'Physics'
149.0	Quantum Information Theory	Physics	'Mathematics' 'Computer Science' 'Physics'
150.0	Optimization	Mathematics	'Computer Science' 'Mathematics' 'Statistics' 'Physics'
151.0	Machine Learning/Reinforcement Learning	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
152.0	Mathematics	Mathematics	'Mathematics' 'Statistics'
153.0	Geometry	Mathematics	'Mathematics'
154.0	Energy Management	Physics	'Computer Science' 'Mathematics' 'Physics' 'Statistics'
155.0	Operations Research	Mathematics	'Computer Science' 'Mathematics' 'Statistics'
156.0	Target Tracking	Computer Science	'Computer Science' 'Statistics' 'Physics' 'Mathematics'
157.0	Computer Vision	Computer Science	'Computer Science' 'Physics' 'Statistics'
158.0	Robotics	Computer Science	'Computer Science' 'Physics'
159.0	Robotics	Computer Science	'Computer Science' 'Mathematics'
160.0	Network Analysis	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
161.0	Graphical Models	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
162.0	Quantum Physics/Algebra	Mathematics	'Mathematics' 'Physics'
163.0	Theoretical Physics	Mathematics	'Physics' 'Mathematics'
164.0	Machine Learning	Computer Science	'Computer Science' 'Statistics'
165.0	Machine Learning	Computer Science	'Computer Science' 'Statistics'
166.0	Statistics	Statistics	'Mathematics' 'Statistics' 'Computer Science' 'Physics'
167.0	Scientific Research Papers or Academic Studies	Statistics	'Statistics' 'Mathematics' 'Physics' 'Computer Science'
168.0	Instrumentation and Methods for Astrophysics	Physics	'Physics'
169.0	Cosmology	Physics	'Mathematics' 'Physics'
170.0	Robotics	Computer Science	'Computer Science'
171.0	Robotics	Computer Science	'Computer Science'
172.0	Deep Learning in Computer Vision	Computer Science	'Computer Science' 'Statistics'
173.0	Convolutional Neural Networks (CNNs)	Computer Science	'Statistics' 'Computer Science'
174.0	Medical Imaging Analysis	Computer Science	'Computer Science' 'Statistics' 'Physics'
175.0	Machine Learning in Medical Imaging	Computer Science	'Mathematics' 'Computer Science' 'Statistics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
176.0	Coding Theory	Computer Science	'Computer Science' 'Mathematics
177.0	Computer Science	Computer Science	'Computer Science' 'Mathematics
178.0	Theoretical Computer Science	Computer Science	'Computer Science' 'Statistics' 'Mathematics
179.0	Graph Theory	Mathematics	'Mathematics' 'Computer Science
180.0	Materials Science	Physics	'Physics' 'Mathematics
181.0	Materials Science	Physics	'Physics' 'Computer Science' 'Statistics
182.0	Algebraic Geometry	Mathematics	'Mathematics
183.0	Number theory	Mathematics	'Mathematics
184.0	Theoretical Physics	Mathematics	'Mathematics' 'Physics
185.0	Differential Geometry	Mathematics	'Mathematics' 'Physics
186.0	Mathematics	Mathematics	'Mathematics' 'Computer Science' 'Physics
187.0	Mathematics	Mathematics	'Computer Science' 'Mathematics' 'Physics
188.0	Artificial Intelligence	Computer Science	'Computer Science' 'Statistics
189.0	Artificial Intelligence	Computer Science	'Computer Science' 'Statistics' 'Physics
190.0	Natural Language Processing (NLP)	Computer Science	'Computer Science' 'Statistics
191.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
192.0	Theoretical Physics	Mathematics	'Physics' 'Mathematics' 'Statistics
193.0	Cosmology	Physics	'Physics
194.0	Machine Learning	Computer Science	'Mathematics' 'Statistics' 'Computer Science
195.0	Machine Learning	Computer Science	'Statistics' 'Mathematics' 'Computer Science
196.0	Power Systems	Physics	'Computer Science' 'Mathematics' 'Statistics
197.0	Control Systems	Computer Science	'Computer Science' 'Physics' 'Mathematics' 'Statistics
198.0	Object Detection in Computer Vision	Computer Science	'Computer Science' 'Statistics
199.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
200.0	Astronomy/Astrophysics	Physics	'Physics' 'Computer Science
201.0	Materials Science	Physics	'Computer Science' 'Physics' 'Mathematics' 'Statistics
202.0	Magnetism	Physics	'Physics' 'Statistics' 'Mathematics
203.0	Magnetism	Physics	'Physics' 'Computer Science
204.0	Autonomous Driving	Computer Science	'Computer Science' 'Physics
205.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
206.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Physics
207.0	The topic of the given texts appears to be Computer Science, specifically focusing on Human-Computer Interaction, Machine Learning, and Artificial Intelligence applications in various fields such as healthcare, education, and law enforcement.	Computer Science	'Computer Science' 'Statistics' 'Physics
208.0	Computer Vision	Computer Science	'Computer Science
209.0	Computer Vision	Computer Science	'Computer Science
210.0	Machine Learning	Computer Science	'Computer Science' 'Statistics
211.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
212.0	Physics	Physics	'Physics' 'Mathematics' 'Computer Science' 'Statistics
213.0	Quantum Physics	Physics	'Physics' 'Computer Science' 'Statistics
214.0	Superconductors	Physics	'Physics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
215.0	Thermoelectronics	Physics	'Physics
216.0	Autonomous Vehicles	Computer Science	'Computer Science
217.0	Intelligent Transportation Systems	Computer Science	'Statistics' 'Computer Science' 'Mathematics
218.0	Statistics	Statistics	'Computer Science' 'Statistics' 'Mathematics
219.0	Information Theory	Computer Science	'Computer Science' 'Mathematics' 'Statistics
220.0	Algebraic Geometry	Mathematics	'Mathematics
221.0	Algebraic Geometry	Mathematics	'Mathematics' 'Computer Science
222.0	Machine Learning	Computer Science	'Statistics' 'Mathematics' 'Computer Science
223.0	Data Analysis	Statistics	'Computer Science' 'Mathematics' 'Statistics
224.0	Astronomy	Physics	'Physics
225.0	High-Energy Particle Physics Experiments	Physics	'Physics
226.0	Fluid Dynamics	Physics	'Physics' 'Mathematics
227.0	Fluid Dynamics	Physics	'Physics' 'Computer Science' 'Mathematics
228.0	Superconductivity	Physics	'Physics
229.0	Superconductivity	Physics	'Physics' 'Computer Science
230.0	Statistics	Statistics	'Mathematics' 'Statistics' 'Computer Science
231.0	Quantile Regression	Statistics	'Mathematics' 'Statistics' 'Computer Science
232.0	Deep Learning in Medical Imaging	Computer Science	'Computer Science' 'Statistics' 'Physics
233.0	Medical Imaging Analysis	Computer Science	'Computer Science' 'Statistics' 'Physics
234.0	Quantum Magnetism	Physics	'Physics' 'Mathematics
235.0	Quantum Spin Liquids	Physics	'Physics
236.0	Human-Robot Interaction	Computer Science	'Computer Science' 'Statistics
237.0	Machine Learning	Computer Science	'Statistics' 'Computer Science
238.0	Robotics	Computer Science	'Computer Science' 'Statistics
239.0	Robotics	Computer Science	'Computer Science' 'Physics' 'Mathematics' 'Statistics
240.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
241.0	Deep Learning in Computer Vision	Computer Science	'Statistics' 'Computer Science
242.0	Materials Science	Physics	'Physics
243.0	Condensed Matter Physics	Physics	'Physics
244.0	Condensed Matter Physics	Physics	'Physics' 'Mathematics
245.0	Quantum Physics	Physics	'Physics' 'Computer Science
246.0	Mathematics	Mathematics	'Physics' 'Mathematics
247.0	Physics	Physics	'Physics' 'Mathematics
248.0	Bayesian Methods in Machine Learning	Computer Science	'Mathematics' 'Computer Science' 'Statistics' 'Physics
249.0	Bayesian Modeling	Statistics	'Computer Science' 'Statistics' 'Mathematics
250.0	Machine Learning/Statistics	Computer Science	'Statistics' 'Computer Science' 'Mathematics' 'Physics
251.0	The topic of the given text appears to be related to Machine Learning/Signal Processing in Biomedical Applications.	Computer Science	'Computer Science' 'Statistics' 'Mathematics
252.0	Spatial Data Modeling	Computer Science	'Statistics' 'Computer Science' 'Mathematics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
253.0	Signal Processing	Computer Science	'Physics' 'Statistics' 'Computer Science' 'Mathematics'
254.0	Machine Learning	Computer Science	'Computer Science' 'Statistics'
255.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
256.0	Galaxy Formation and Evolution	Physics	'Physics'
257.0	'galaxy evolution', 'cosmic microwave background radiation', 'dark matter', 'galaxy formation', 'stellar populations'	Physics	'Physics'
258.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
259.0	Deep Learning in Bioinformatics	Computer Science	'Computer Science' 'Statistics' 'Physics'
260.0	Theoretical Computer Science	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
261.0	Mathematics	Mathematics	'Physics' 'Mathematics' 'Statistics' 'Computer Science'
262.0	Astronomy/Astrophysics	Physics	'Physics' 'Statistics'
263.0	Astronomy	Physics	'Physics'
264.0	Image Processing	Computer Science	'Computer Science' 'Statistics'
265.0	Computer Vision	Computer Science	'Computer Science' 'Statistics'
266.0	Autonomous Vehicles	Computer Science	'Computer Science' 'Statistics'
267.0	Robotics	Computer Science	'Computer Science' 'Statistics'
268.0	Robotics	Computer Science	'Computer Science' 'Mathematics'
269.0	Control Systems	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
270.0	Robotics	Computer Science	'Computer Science' 'Physics'
271.0	Humanoid Robotics	Computer Science	'Computer Science' 'Statistics'
272.0	Matrix Completion	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
273.0	Optimization Algorithms	Computer Science	'Mathematics' 'Statistics' 'Computer Science'
274.0	Active Galactic Nuclei	Physics	'Physics' 'Statistics'
275.0	Astronomy/Astrophysics	Physics	'Physics'
276.0	Autonomous Vehicles Control Systems	Computer Science	'Computer Science' 'Mathematics'
277.0	Autonomous Vehicles	Computer Science	'Computer Science' 'Mathematics'
278.0	Machine Learning	Computer Science	'Statistics' 'Mathematics' 'Physics' 'Computer Science'
279.0	Machine Learning/Forecasting in Finance/Energy	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
280.0	The topic of the given text appears to be "Magnetic Properties and Phase Transitions in Various Materials".	Physics	'Physics'
281.0	Magnetism	Physics	'Physics'
282.0	Machine Learning/Artificial Intelligence applications in Healthcare/Biomedical Research.	Computer Science	'Computer Science' 'Statistics' 'Mathematics'
283.0	Health Analytics	Statistics	'Statistics' 'Computer Science' 'Mathematics'
284.0	Mathematics	Mathematics	'Mathematics' 'Physics'
285.0	Theoretical Physics	Mathematics	'Physics' 'Mathematics' 'Computer Science'
286.0	Number Theory	Mathematics	'Mathematics' 'Computer Science'
287.0	Number Theory	Mathematics	'Mathematics' 'Computer Science'
288.0	Gaussian Processes	Statistics	'Computer Science' 'Statistics' 'Mathematics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
289.0	Topic Modeling	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
290.0	Iron-Based Superconductors	Physics	'Physics'
291.0	Superconductivity	Physics	'Physics'
292.0	Deep Learning	Computer Science	'Statistics' 'Computer Science' 'Physics'
293.0	The topic of these texts appears to be: Machine Learning Applications in Physics/Astronomy	Physics	'Computer Science' 'Statistics' 'Physics'
294.0	SLAM (Simultaneous Localization And Mapping) in Autonomous Systems	Computer Science	'Computer Science'
295.0	Localization Systems	Computer Science	'Computer Science' 'Mathematics' 'Statistics'
296.0	Superconductivity	Physics	'Physics' 'Mathematics'
297.0	Superconductivity	Physics	'Physics' 'Mathematics'
298.0	Reaction-Diffusion Equations	Mathematics	'Physics' 'Mathematics'
299.0	Physics	Physics	'Mathematics' 'Physics'
300.0	The topic of the given text appears to be Mathematical Modeling in Fluid Dynamics and Physics.	Mathematics	'Physics' 'Mathematics'
301.0	Theoretical Physics/Fluid Dynamics	Physics	'Mathematics' 'Physics'
302.0	Urban Mobility Analysis	Computer Science	'Statistics' 'Computer Science'
303.0	Environmental Science	Statistics	'Physics' 'Computer Science' 'Statistics' 'Mathematics'
304.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
305.0	Machine Learning Applications in Environmental Modeling	Computer Science	'Statistics' 'Computer Science'
306.0	Computer Vision	Computer Science	'Computer Science' 'Statistics'
307.0	Computer Vision	Computer Science	'Computer Science' 'Statistics'
308.0	Misinformation Detection in Online Platforms	Computer Science	'Computer Science' 'Statistics'
309.0	The topic of these texts appears to be: Fake News Detection and Sentiment Analysis in Social Media	Computer Science	'Computer Science' 'Statistics'
310.0	Theoretical Computer Science	Computer Science	'Mathematics' 'Computer Science' 'Physics' 'Statistics'
311.0	Computer Science	Computer Science	'Computer Science' 'Statistics'
312.0	Artificial Intelligence	Computer Science	'Statistics' 'Computer Science'
313.0	The topic of the given text appears to be "Neural Networks and Machine Learning Applications in Various Fields"	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
314.0	Social Media Analysis	Computer Science	'Computer Science' 'Statistics'
315.0	Social Media Analysis	Computer Science	'Computer Science'
316.0	Reinforcement Learning	Computer Science	'Statistics' 'Computer Science'
317.0	Machine Learning	Computer Science	'Computer Science' 'Statistics'
318.0	Materials Science	Physics	'Physics' 'Computer Science'
319.0	Materials Science	Physics	'Physics' 'Computer Science'
320.0	Statistics	Statistics	'Statistics' 'Mathematics' 'Computer Science'
321.0	Statistical inference under constraints	Statistics	'Computer Science' 'Mathematics' 'Statistics'
322.0	Statistical Modeling	Statistics	'Statistics' 'Mathematics' 'Computer Science'
323.0	Signal Processing	Computer Science	'Mathematics' 'Computer Science' 'Statistics' 'Physics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
324.0	The topic of the given texts appears to be Natural Language Processing (NLP), specifically focusing on text analysis, machine learning, and data mining techniques applied to various sources such as Wikipedia, Quora, and programming languages.	Computer Science	'Computer Science' 'Statistics' 'Physics
325.0	Sentiment Analysis	Computer Science	'Computer Science' 'Statistics
326.0	Kernel Methods	Computer Science	'Statistics' 'Computer Science' 'Mathematics
327.0	Statistical Learning Theory	Computer Science	'Mathematics' 'Computer Science' 'Statistics
328.0	Statistics	Statistics	'Mathematics' 'Statistics
329.0	Science	Computer Science	'Statistics' 'Computer Science' 'Mathematics' 'Physics
330.0	The topic of the provided text appears to be Mathematical Physics or Applied Mathematics, specifically focusing on topics related to fluid dynamics, partial differential equations, and mathematical modeling in various fields such as acoustics, hydrodynamics, and optics.	Mathematics	'Physics' 'Mathematics
331.0	Statistical Inference and Data Assimilation in Dynamical Systems	Statistics	'Mathematics' 'Physics' 'Computer Science' 'Statistics
332.0	Robotics	Computer Science	'Computer Science' 'Mathematics' 'Statistics
333.0	Robotics	Computer Science	'Computer Science
334.0	Astrophysics/Cosmology	Physics	'Physics
335.0	Cosmology	Physics	'Physics
336.0	Probability Theory	Statistics	'Computer Science' 'Mathematics' 'Statistics
337.0	Information Theory	Computer Science	'Mathematics' 'Statistics' 'Computer Science
338.0	Machine Learning	Computer Science	'Computer Science' 'Statistics
339.0	Machine Learning/Dimensionality Reduction	Computer Science	'Computer Science' 'Statistics' 'Mathematics
340.0	'astronomy', 'astrophysics	Physics	'Physics
341.0	Astronomy Astrophysics	Physics	'Physics
342.0	Deep Reinforcement Learning	Computer Science	'Statistics' 'Computer Science
343.0	Deep Learning/Reinforcement Learning	Computer Science	'Computer Science' 'Statistics
344.0	Network Theory	Computer Science	'Computer Science' 'Mathematics
345.0	Graph Theory/Network Analysis	Computer Science	'Computer Science' 'Mathematics' 'Statistics
346.0	Bayesian Statistics	'Statistics'	'Statistics' 'Mathematics' 'Computer Science
347.0	Statistical Modeling of Complex Data	Statistics	'Computer Science' 'Statistics' 'Mathematics
348.0	Differential Geometry	Mathematics	'Mathematics
349.0	Topic Modeling in Differential Geometry	Mathematics	'Mathematics
350.0	Robotics	Computer Science	'Computer Science
351.0	Robotics	Computer Science	'Computer Science' 'Physics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
352.0	physics, specifically focusing on topics such as: Magnetic materials and their properties, Geometric frustration and Kondo lattices, Thermal conductivity and spin-phonon coupling. Overall, the topic can be broadly categorized as Condensed Matter Physics.	Physics	'Physics
353.0	Magnetism in Materials Science	Physics	'Physics
354.0	Physics	Physics	'Physics' 'Mathematics' 'Computer Science' 'Statistics
355.0	Mathematics	Mathematics	'Mathematics' 'Physics' 'Statistics' 'Computer Science
356.0	Game Theory	Mathematics	'Computer Science' 'Mathematics' 'Statistics
357.0	Computer Science	Computer Science	'Computer Science' 'Mathematics' 'Statistics
358.0	Deep Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics' 'Physics
359.0	Reinforcement Learning	Computer Science	'Statistics' 'Computer Science
360.0	Network Science	Computer Science	'Computer Science' 'Mathematics' 'Statistics
361.0	Clustering Algorithms	Computer Science	'Mathematics' 'Computer Science' 'Statistics
362.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
363.0	Face Recognition/Verification	Computer Science	'Computer Science' 'Statistics
364.0	Statistical Analysis	Statistics	'Mathematics' 'Statistics' 'Computer Science
365.0	Statistical Modeling	Statistics	'Mathematics' 'Statistics' 'Computer Science' 'Physics
366.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
367.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Physics' 'Mathematics
368.0	Micro Aerial Vehicles (MAVs)/Drones	Physics	'Computer Science' 'Physics
369.0	Control systems for Unmanned Aerial Vehicles (UAVs)	Computer Science	'Mathematics' 'Computer Science' 'Physics' 'Statistics
370.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
371.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics
372.0	Neural Networks	Computer Science	'Statistics' 'Computer Science
373.0	Deep Learning/Neural Networks	Computer Science	'Computer Science' 'Statistics
374.0	Multi-Armed Bandits	Computer Science	'Computer Science' 'Statistics' 'Mathematics
375.0	Multi-Armed Bandit Problems	Computer Science	'Computer Science' 'Mathematics' 'Statistics
376.0	Deep Learning	Computer Science	'Computer Science' 'Statistics
377.0	Deep Learning	Computer Science	'Computer Science' 'Statistics
378.0	Condensed Matter Physics	Physics	'Physics
379.0	Graphene Physics	Physics	'Physics
380.0	Spectral Theory in Mathematics	Mathematics	'Mathematics
381.0	Partial Differential Equations	Mathematics	'Mathematics
382.0	Mathematics	Mathematics	'Computer Science' 'Mathematics
383.0	Algebra	Mathematics	'Mathematics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
384.0	Mathematics	Mathematics	'Mathematics' 'Statistics' 'Computer Science' 'Physics
385.0	The topic of the given texts appears to be Mathematics, specifically Number Theory and Algebra.	Mathematics	'Physics' 'Computer Science' 'Mathematics
386.0	Signal Processing	Computer Science	'Computer Science' 'Mathematics' 'Statistics
387.0	Signal Processing	Computer Science	'Computer Science' 'Mathematics' 'Statistics' 'Physics
388.0	Wireless Communication Systems	Computer Science	'Computer Science
389.0	Wireless Communication Systems	Computer Science	'Computer Science' 'Statistics' 'Mathematics
390.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
391.0	Neural Machine Translation	Computer Science	'Computer Science' 'Statistics
392.0	Multimodal Learning	Computer Science	'Computer Science' 'Statistics
393.0	Natural Language Processing (NLP)	Computer Science	'Computer Science' 'Statistics
394.0	Deep Learning for Image Recognition and Object Detection	Computer Science	'Computer Science
395.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
396.0	'astro-ph.co', 'astro-ph.ga', 'astro-ph.he', 'astro-ph.im	Physics	'Physics
397.0	'astronomy', 'galaxies', 'starsassistant		
	'Astronomical observations and methods', 'Galaxy evolution', 'Stellar content of galaxies	Physics	'Physics
398.0	Machine Learning/Artificial Intelligence	Computer Science	'Computer Science' 'Statistics' 'Mathematics
399.0	Machine Learning	Computer Science	'Computer Science' 'Statistics
400.0	Mathematical Relativity	Mathematics	'Mathematics' 'Physics
401.0	Theoretical Physics	Mathematics	'Physics' 'Mathematics
402.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics
403.0	Clustering Algorithms	Computer Science	'Computer Science' 'Statistics' 'Mathematics
404.0	Gravitational Waves Detection	Physics	'Physics
405.0	Gravitational Waves	Physics	'Physics
406.0	Network Science	Computer Science	'Computer Science' 'Statistics' 'Mathematics
407.0	Network Analysis	Computer Science	'Computer Science' 'Statistics' 'Mathematics
408.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
409.0	Machine Learning	Computer Science	'Computer Science' 'Statistics
410.0	Knowledge Graphs	Computer Science	'Statistics' 'Computer Science
411.0	Deep Learning in Natural Language Processing	Computer Science	'Statistics' 'Mathematics' 'Computer Science
412.0	Superconductivity	Physics	'Physics
413.0	Majorana Fermions	Physics	'Physics
414.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Physics
415.0	Machine Learning	Computer Science	'Statistics' 'Computer Science
416.0	Face Recognition	Computer Science	'Computer Science' 'Statistics
417.0	Pattern Recognition	Computer Science	'Computer Science' 'Statistics
418.0	Machine Learning in Clinical Trials	Computer Science	'Statistics' 'Mathematics' 'Physics' 'Computer Science

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
419.0	The topic of these texts appears to be Machine Learning/Statistics in Health-care/Biomedical Research.	Statistics	'Statistics' 'Mathematics' 'Computer Science'
420.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
421.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
422.0	Mathematics	Mathematics	'Mathematics' 'Computer Science'
423.0	The topics of these papers appear to be: 1. Politics/Elections: Analysis of Twitter data related to Turkish elections. 2. Mathematics/Geometry: Identifying geometric objects using Geogebra. 3. Computer Science/Graph Theory: Parameterized complexity of graph deletion problems. 4. Astronomy/Astrophysics: Search for extraterrestrial life. 5. Computer Science/Network Analysis: Applications of Szemerédi's Regularity Lemma in preserving metric information in large graphs.	Computer Science	'Mathematics' 'Computer Science' 'Physics' 'Statistics'
424.0	Mathematics	Mathematics	'Mathematics' 'Computer Science'
425.0	Algebraic Geometry	Mathematics	'Mathematics' 'Computer Science'
426.0	Statistical Modeling	Statistics	'Mathematics' 'Statistics'
427.0	Economics	Statistics	'Statistics' 'Mathematics' 'Physics'
428.0	Time Series Analysis/Forecasting	Statistics	'Statistics' 'Computer Science' 'Physics'
429.0	The topic of these texts appears to be related to Machine Learning Applications in Power Grids and Distribution Networks.	Computer Science	'Statistics' 'Computer Science' 'Physics'
430.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics'
431.0	Deep Learning Models for Speech Recognition and Time Series Analysis	Computer Science	'Computer Science' 'Statistics'
432.0	Theoretical Physics	Mathematics	'Physics' 'Mathematics'
433.0	Nonlinear Schrodinger Equation	Mathematics	'Mathematics'
434.0	The topic of the provided text appears to be "Social Media Analysis".	Computer Science	'Computer Science' 'Statistics'
435.0	The topic of these texts appears to be: Social Network Analysis and Text Mining	Computer Science	'Computer Science' 'Statistics'
436.0	Machine Learning	Computer Science	'Statistics' 'Computer Science'
437.0	Machine Learning	Computer Science	'Computer Science' 'Physics' 'Statistics'
438.0	Superconductivity	Physics	'Physics'
439.0	Superconductivity	Physics	'Physics'
440.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics'
441.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics'
442.0	Deep Learning	Computer Science	'Computer Science' 'Statistics'
443.0	Deep Learning/Neural Networks	Computer Science	'Statistics' 'Mathematics' 'Computer Science'
444.0	'astro-ph', 'astro-ph.EP', 'astro-ph.GA', 'physics.geo-ph', 'astro-ph.HE', 'astro-ph.CO', 'astro-ph.SR', 'astro-ph.IM'	Physics.	'Physics' 'Statistics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
445.0	The topic of the given text appears to be "Astrophysics" or more specifically, topics related to planetary science, including protoplanetary disks, dust formation, and the early stages of planetary development.	Physics	'Physics
446.0	Partial Differential Equations	Mathematics	'Mathematics' 'Statistics
447.0	Mathematics	Mathematics	'Mathematics' 'Statistics' 'Computer Science
448.0	Robotics	Computer Science	'Computer Science' 'Statistics
449.0	Artificial Intelligence	Computer Science	'Computer Science' 'Statistics
450.0	Control Theory	Mathematics	'Computer Science' 'Mathematics' 'Statistics
451.0	Control Systems	Computer Science	'Mathematics' 'Computer Science
452.0	Computer Science/Academic Research	Computer Science	'Statistics' 'Mathematics' 'Computer Science
453.0	Education	Statistics	'Statistics' 'Computer Science' 'Mathematics
454.0	Artificial Intelligence	Computer Science	'Computer Science
455.0	Computer Science	Computer Science	'Computer Science' 'Statistics' 'Mathematics' 'Physics
456.0	Fluid Dynamics	Physics	'Physics' 'Mathematics
457.0	Fluid Dynamics	Physics	'Physics' 'Mathematics
458.0	Statistical Signal Processing	Statistics	'Mathematics' 'Statistics' 'Computer Science' 'Physics
459.0	Statistical Analysis and Modeling	Statistics	'Mathematics' 'Statistics' 'Computer Science
460.0	Machine Learning	Computer Science	'Physics' 'Computer Science' 'Statistics
461.0	The topic of the given text appears to be "Machine Learning/Artificial Intelligence"	Computer Science	'Computer Science' 'Statistics
462.0	The topic of the provided text appears to be "Statistical Methods in Genetics and Cancer Research".	Statistics	'Statistics' 'Mathematics' 'Computer Science
463.0	Statistical Modeling	Statistics	'Statistics' 'Mathematics' 'Computer Science
464.0	Differential Geometry	Mathematics	'Mathematics
465.0	Differential Geometry	Mathematics	'Mathematics
466.0	The topic of the provided texts appears to be "Coding Theory" in Computer Science.	Computer Science	'Computer Science' 'Statistics' 'Mathematics
467.0	Mathematics	Mathematics	'Physics' 'Mathematics' 'Computer Science' 'Statistics
468.0	Astronomy/Astrophysics	Physics	'Physics
469.0	Astronomy/Astrophysics	Physics	'Physics' 'Statistics
470.0	The topic of the provided text appears to be Social Network Analysis/Science.	Computer Science	'Computer Science
471.0	Linguistics/Academic Research	Statistics	'Computer Science' 'Mathematics' 'Physics' 'Statistics
472.0	Statistical Methods in Biomedical Research	Statistics	'Statistics' 'Mathematics' 'Computer Science
473.0	Statistical Inference in High-Dimensional Settings	Statistics	'Mathematics' 'Statistics' 'Computer Science
474.0	Superconductivity	Physics	'Physics
475.0	Topological Semimetals	Physics	'Physics
476.0	Differential Geometry	Mathematics	'Mathematics
477.0	Differential Geometry	Mathematics	'Mathematics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
478.0	Computer Vision	Computer Science	'Computer Science' 'Mathematics
479.0	Machine Learning/Signal Processing	Computer Science	'Physics' 'Statistics' 'Computer Science' 'Mathematics
480.0	Partial Differential Equations	Mathematics	'Mathematics' 'Physics
481.0	Control Theory	Mathematics	'Mathematics' 'Computer Science
482.0	Differential Geometry	Mathematics	'Mathematics
483.0	Differential Geometry	Mathematics	'Mathematics
484.0	Partial Differential Equations	Mathematics	'Mathematics
485.0	Partial Differential Equations	Mathematics	'Mathematics' 'Computer Science
486.0	Generative Adversarial Networks (GANs)	Computer Science	'Computer Science' 'Statistics
487.0	Generative Adversarial Networks	Computer Science	'Computer Science' 'Statistics
488.0	Astronomy/Astrophysics	Physics	'Physics
489.0	Astronomy/Astrophysics	Physics	'Physics' 'Computer Science
490.0	Algebra	Mathematics	'Mathematics' 'Computer Science
491.0	Algebraic Geometry/Representation Theory	Mathematics	'Mathematics
492.0	Astronomy/Astrophysics	Physics	'Computer Science' 'Statistics' 'Physics
493.0	Computer Vision	Computer Science	'Computer Science' 'Statistics
494.0	Optimization	Mathematics	'Computer Science' 'Mathematics' 'Statistics
495.0	Optimization Algorithms	Computer Science	'Statistics' 'Computer Science' 'Mathematics
496.0	Robotics	Computer Science	'Computer Science' 'Statistics
497.0	Robotics	Computer Science	'Computer Science' 'Statistics
498.0	Magnetic Properties	Physics	'Physics
499.0	Magnetism	Physics	'Physics
500.0	Physics	Physics	'Physics' 'Statistics' 'Mathematics
501.0	Inverse Problems in Imaging and Tomography	Mathematics	'Mathematics' 'Computer Science' 'Physics
502.0	The topic of the given text is: Condensed Matter Physics	Physics	'Physics
503.0	The topic of these texts appears to be condensed matter physics, specifically topics related to magnetism, topology, and spintronics.	Physics	'Physics
504.0	Number Theory	Mathematics	'Mathematics
505.0	Number Theory	Mathematics	'Mathematics
506.0	Word Embeddings	Computer Science	'Computer Science' 'Statistics
507.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
508.0	The topic of these texts appears to be Monte Carlo Methods and Statistical Inference.	Statistics	'Statistics' 'Mathematics' 'Computer Science
509.0	Statistical Analysis	Statistics	'Statistics' 'Physics' 'Computer Science' 'Mathematics
510.0	Machine Learning/Optimization Algorithms	Computer Science	'Statistics' 'Computer Science' 'Mathematics
511.0	Machine Learning	Computer Science	'Computer Science' 'Statistics' 'Mathematics
512.0	Number theory	Mathematics	'Mathematics
513.0	Number Theory	Mathematics	'Mathematics
514.0	Signal Processing	Computer Science	'Computer Science' 'Statistics' 'Mathematics' 'Physics
515.0	Environmental Science	Statistics	'Computer Science' 'Statistics' 'Mathematics' 'Physics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
516.0	Cosmology	Physics	'Physics' 'Statistics'
517.0	The topic of the given text appears to be "Astrophysics" or more specifically, topics related to galaxies, gravitational waves, and cosmology.	Physics	'Physics' 'Mathematics'
518.0	Dark Matter	Physics	'Physics'
519.0	Dark Matter Models	Physics	'Physics'
520.0	Speech Recognition	Computer Science	'Computer Science' 'Statistics'
521.0	Speech Recognition	Computer Science	'Computer Science' 'Statistics'
522.0	Bayesian Inference	Statistics	'Statistics' 'Computer Science' 'Mathematics'
523.0	Markov Chain Monte Carlo Methods	Statistics	'Computer Science' 'Statistics' 'Physics' 'Mathematics'
524.0	Condensed Matter Physics	Physics	'Physics'
525.0	Quantum Physics	Physics	'Physics' 'Computer Science' 'Mathematics'
526.0	Fluid Dynamics	Physics	'Physics' 'Mathematics'
527.0	Fluid Dynamics	Physics	'Physics' 'Mathematics' 'Statistics'
528.0	Network Embedding	Computer Science	'Computer Science' 'Statistics'
529.0	Network Analysis	Computer Science	'Computer Science' 'Statistics'
530.0	Galaxy Formation Models	Physics	'Physics'
531.0	'galaxy evolution', 'galaxy cluster', 'x-ray astronomy	Physics	'Physics'
532.0	Information Theory	Computer Science	'Computer Science' 'Statistics' 'Mathematics'
533.0	Algorithmic Fairness	Computer Science	'Statistics' 'Computer Science'
534.0	Exoplanetary Science	Physics	'Physics' 'Statistics'
535.0	Exoplanets	Physics	'Physics'
536.0	Topic Modeling	Computer Science	'Statistics' 'Computer Science' 'Mathematics'
537.0	Topic Modeling	Computer Science	'Computer Science' 'Physics' 'Statistics'
538.0	Materials Science	Physics	'Physics' 'Computer Science'
539.0	Materials Science	Physics	'Physics'
540.0	protoplanetary disks, planet formation, disk gaps, planetary migration	Physics	'Physics'
541.0	Exoplanetary Science	Physics	'Physics'
542.0	Graphene and related 2D Materials	Physics	'Physics'
543.0	Materials Science	Physics	'Physics'
544.0	Wireless Communication Systems	Computer Science	'Computer Science' 'Statistics' 'Mathematics'
545.0	Error-Correcting Codes	Computer Science	'Computer Science' 'Physics' 'Statistics'
546.0	Control Systems	Computer Science	'Physics' 'Mathematics' 'Computer Science' 'Statistics'
547.0	Robotics	Computer Science	'Computer Science' 'Mathematics'
548.0	The topic of the given text is "Deep Learning Techniques for Audio Processing".	Computer Science	'Computer Science' 'Statistics'
549.0	Machine Learning	Computer Science	'Statistics' 'Computer Science'
550.0	Control Theory	Mathematics	'Computer Science' 'Mathematics'
551.0	Control Systems	Computer Science	'Mathematics' 'Computer Science'
552.0	Planetary Dynamics	Physics	'Physics'
553.0	Stability Analysis	Mathematics	'Computer Science' 'Statistics' 'Mathematics' 'Physics'
554.0	Machine Learning Model Interpretability	Computer Science	'Computer Science' 'Mathematics' 'Statistics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
555.0	Healthcare	Statistics	'Statistics' 'Computer Science
556.0	Dimension Reduction Methods	Computer Science	'Mathematics' 'Statistics' 'Computer Science' 'Physics
557.0	Robust Data Analysis	Statistics	'Computer Science' 'Mathematics' 'Statistics
558.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
559.0	Deep Learning	Computer Science	'Statistics' 'Computer Science
560.0	Fluid Dynamics	Physics	'Physics' 'Mathematics
561.0	Fluid Dynamics	Physics	'Physics
562.0	'astronomy', 'galaxies	Physics	'Physics
563.0	Astrophysics - Astrophysics of Galaxies", "Physics - Computational Physics"	Physics	'Physics
564.0	Mathematics	Mathematics	'Mathematics' 'Physics
565.0	Differential Geometry	Mathematics	'Mathematics
566.0	Algorithms	Computer Science	'Computer Science' 'Mathematics' 'Statistics
567.0	Machine Learning	Computer Science	'Computer Science' 'Mathematics' 'Statistics' 'Physics
568.0	Deep Learning	Computer Science	'Computer Science' 'Statistics
569.0	Machine Learning	Computer Science	'Statistics' 'Computer Science' 'Mathematics
570.0	Bayesian Inference	Statistics	'Statistics' 'Mathematics' 'Physics' 'Computer Science
571.0	Bayesian Methods	Statistics	'Statistics' 'Mathematics' 'Computer Science
572.0	Robotics	Computer Science	'Computer Science' 'Statistics
573.0	Robotics/Aerial Vehicles	Computer Science	'Statistics' 'Computer Science' 'Physics' 'Mathematics
574.0	Astrophysics/Cosmology	Physics	'Physics
575.0	Radio Astronomy	Physics	'Physics
576.0	Number theory	Mathematics	'Mathematics
577.0	Mathematics	Mathematics	'Mathematics
578.0	Theoretical Physics	Mathematics	'Physics' 'Statistics
579.0	Condensed Matter Physics	Physics	'Physics
580.0	Materials Science	Physics	'Physics
581.0	The topic of the provided text appears to be "Materials Science"	Physics	'Physics' 'Statistics
582.0	'fine-grained complexity in computational geometry', 'algorithms for detecting circular trades', 'labeling schemes for nearest common ancestors	Computer Science	'Computer Science' 'Mathematics
583.0	'Stochastic Matching', 'Hospital Residents Problem', 'Weak Submodularity', 'Euler Tour	Computer Science	'Computer Science
584.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
585.0	Natural Language Processing	Computer Science	'Computer Science' 'Statistics
586.0	Materials Science	Physics	'Physics' 'Mathematics
587.0	Materials Science	Physics	'Physics
588.0	Materials Science	Physics	'Physics
589.0	Materials Science	Physics	'Physics
590.0	Partial Differential Equations	Mathematics	'Mathematics
591.0	Partial Differential Equations	Mathematics	'Mathematics' 'Statistics
592.0	Optimization Algorithms	Computer Science	'Mathematics' 'Computer Science' 'Statistics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
593.0	Optimization Problems	Mathematics	'Mathematics' 'Computer Science'
594.0	Partial Differential Equations	Mathematics	'Mathematics'
595.0	Mathematics	Mathematics	'Mathematics' 'Computer Science'
596.0	Materials Science	Physics	'Physics'
597.0	Angle Resolved Photoemission Spectroscopy	Physics	'Physics'
598.0	Scheduling Problems in Computer Science	Computer Science	'Computer Science' 'Mathematics'
599.0	Optimization Problems	Mathematics	'Computer Science' 'Mathematics' 'Statistics'

Table A.9: Comparison of LLM-Assigned, Validation, and Ground Truth Topics per Cluster in the E-Commerce Dataset.

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
0	Books Reviews	Books	'Books'
1	Math/Olympiads	Books	'Books'
2	Printers and printing supplies	Electronics	'Electronics' 'Books' 'Household'
3	Cleaning Equipment/Vacuum Cleaners	Household	'Household' 'Electronics' 'Books'
4	Education	Books	'Books'
5	The topic of these texts appears to be wall decorations, specifically wall stickers and decals made of PVC vinyl that are easy to install and come in various designs.	Household	'Household' 'Clothing & Accessories' 'Electronics' 'Books'
6	Products/Shopping	Household	'Household' 'Books' 'Electronics'
7	Electronics Accessories	Electronics	'Electronics' 'Books' 'Household' 'Clothing & Accessories'
8	Home Decor	Household	'Household' 'Electronics' 'Books' 'Clothing & Accessories'
9	Education/Books	Books	'Books' 'Electronics'
10	Lighting	Electronics	'Electronics' 'Household'
11	Product Descriptions	Household	'Books' 'Household' 'Electronics' 'Clothing & Accessories'
12	Books on English Literature	Books	'Books'
13	Electronics	Electronics	'Electronics' 'Books'
14	Audio Equipment	Electronics	'Electronics' 'Household' 'Books'
15	Kitchen Utensils and Appliances	Household	'Household' 'Electronics'
16	Camera Accessories	Electronics	'Electronics'
17	Books	Books	'Books' 'Electronics'
18	Home Goods/Storage Solutions	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
19	irons and garment steamers	Household	'Household'
20	Books	Books	'Books' 'Electronics' 'Household'
21	Baby Clothes	Clothing Accessories	'Clothing & Accessories' 'Books' 'Household' 'Electronics'
22	Books	Books	'Books' 'Household' 'Electronics'
23	Cameras	Electronics	'Electronics' 'Household'
24	Books about various subjects	Books	'Books'
25	Home Decor/Hardware	Household	'Household' 'Books'
26	Education/Textbooks	Books	'Books'
27	Products/Shopping	Household	'Clothing & Accessories' 'Electronics'
28	Knife Sharpeners	Household	'Household' 'Electronics'
29	Books/Authors	Books	'Books'
30	Clothing Accessories	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books' 'Electronics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
31	Kitchen Utensils/Appliances	Household	'Household' 'Electronics'
32	Agriculture/Environmental Science	books	'Books' 'Electronics' 'Household'
33	Measuring Devices and Photography Accessories	Electronics	'Electronics' 'Books' 'Household' 'Clothing & Accessories'
34	Products	Household	'Books' 'Household' 'Electronics' 'Clothing & Accessories'
35	medicine	books	'Books'
36	Computer Hardware	Electronics	'Electronics' 'Household' 'Books'
37	Authors' Biographies	Books	'Books' 'Electronics' 'Clothing & Accessories'
38	Medical Books	Books	'Books'
39	Books	Books	'Books' 'Clothing & Accessories'
40	'Jerusalem: The Biography', 'The Visual Story: Creating the Visual Structure of Film, TV and Digital Media', 'The Silent Widow	Books	'Books' 'Electronics' 'Household'
41	Electronics	Electronics	'Electronics' 'Books'
42	Shopping/Online Marketplace	Electronics	'Books' 'Household'
43	Computer Hardware	Electronics	'Electronics' 'Books' 'Household'
44	Home Decor and Fashion Accessories	Clothing Accessories	'Household' 'Electronics' 'Books' 'Clothing & Accessories'
45	The Power of Your Subconscious Mind	Books	'Books'
46	Books	Books	'Books'
47	Bedding and linens	Household	'Household' 'Clothing & Accessories' 'Electronics' 'Books'
48	Home Goods/Kitchen Utensils/Dinnerware	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
49	Camera Accessories	Electronics	'Household' 'Electronics' 'Books'
50	Photo Frames	Household	'Household' 'Electronics' 'Books'
51	Textiles	Clothing Accessories	'Household' 'Clothing & Accessories'
52	Products Description	Household	'Household' 'Electronics' 'Clothing & Accessories'
53	Books about India	Books	'Books' 'Electronics'
54	Books/Language Learning	Books	'Books' 'Household'
55	Computer Accessories	Electronics	'Household' 'Electronics' 'Books'
56	Products Description	Household	'Electronics' 'Household' 'Clothing & Accessories' 'Books'
57	Home Goods	Household	'Household' 'Clothing & Accessories'
58	Mobile phone cases and accessories	Electronics	'Electronics' 'Clothing & Accessories' 'Household'
59	Products/Shopping	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
60	Cameras Accessories	Electronics	'Household' 'Electronics' 'Books' 'Clothing & Accessories'
61	Computer Peripherals	Electronics	'Electronics'
62	Beauty/Cosmetics	Clothing Accessories	'Clothing & Accessories' 'Electronics' 'Household' 'Books'
63	Products Description	Household	'Household' 'Electronics' 'Books'
64	Accessories	Clothing Accessories	'Electronics' 'Clothing & Accessories' 'Household'
65	Bathroom fixtures	Household	'Household' 'Books'
66	Health and Wellness Products	books	'Household' 'Books' 'Electronics'
67	Accessories	Clothing Accessories	'Clothing & Accessories' 'Electronics' 'Household'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
68	Books on various subjects related to India	Books	'Books' 'Household'
69	Politics/Law	books	'Books' 'Household'
70	Telescopes Binoculars	Electronics	'Electronics' 'Clothing & Accessories' 'Books' 'Household'
71	Tablets	Electronics	'Electronics'
72	children books	Books	'Books' 'Electronics' 'Household'
73	Electronics	Electronics	'Electronics' 'Household' 'Books'
74	Kitchen Utensils/Cookware	Household	'Household'
75	kitchen tools and appliances	Household	'Household'
76	Handicrafts	Clothing Accessories	'Household' 'Books' 'Electronics'
77	Arts and Crafts	Household	'Household' 'Books'
78	'Electronics	Electronics	'Household' 'Electronics' 'Clothing & Accessories' 'Books'
79	Home Goods Personal Care Products	Household	'Household' 'Clothing & Accessories' 'Books'
80	Home Appliances Furniture	Household	'Household' 'Clothing & Accessories' 'Electronics'
81	Baby Kids' Clothing Shoes	Clothing Accessories	'Clothing & Accessories'
82	Baby products	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
83	'Book Reviews', 'About the Authors	Books	'Books'
84	Books	Books	'Books' 'Electronics'
85	The topic of these texts appears to be "Nursing" or more specifically, nursing education and practice.	Books	'Books'
86	Home Decor/Furniture	Household	'Household' 'Clothing & Accessories' 'Books'
87	Bedding	Household	'Household' 'Clothing & Accessories'
88	Books/Movies/Products	Books	'Electronics' 'Books' 'Household' 'Clothing & Accessories'
89	Shower Heads and Accessories	Household	'Household' 'Books'
90	Engineering	Electronics	'Books' 'Electronics'
91	GATE Exams	Books	'Books' 'Electronics' 'Household'
92	Tools	Household	'Household' 'Electronics' 'Books'
93	Power tools and hand tools	Household	'Household' 'Books' 'Electronics'
94	Mobile Phones Tablets	Electronics	'Electronics' 'Books' 'Clothing & Accessories'
95	Mobile Accessories	Electronics	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
96	Authors' Biographies	Books	'Books' 'Household' 'Electronics' 'Clothing & Accessories'
97	Books/Authors	Books	'Books' 'Household'
98	Products/Shopping	Household	'Electronics' 'Books' 'Household'
99	Books and Electronics	Electronics	'Books' 'Household' 'Electronics'
100	Electronics/Audio Cables	Electronics	'Electronics'
101	Books	Books	'Books' 'Electronics'
102	Hardware tools	Electronics	'Household' 'Books'
103	Clothing	Clothing Accessories	'Clothing & Accessories'
104	Computer Hardware	Electronics	'Electronics' 'Books'
105	Electronics/Antennas and Accessories	Electronics	'Books' 'Household' 'Electronics'
106	History/Book Reviews	Books	'Books'
107	Books on Technology and Business	Electronics	'Books' 'Household'
108	Household items/Kitchenware	Household	'Household' 'Books' 'Electronics'
109	Lighting products	Household	'Household' 'Electronics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
110	Electrical Products	Electronics	'Household' 'Electronics' 'Clothing & Accessories' 'Books'
111	Household items	Household	'Household' 'Clothing & Accessories'
112	Home Goods/Bathroom Accessories	Household	'Household' 'Clothing & Accessories' 'Electronics'
113	home decor	Household	'Household' 'Clothing & Accessories'
114	Textiles/Fabrics/Clothing	Clothing Accessories	'Household' 'Clothing & Accessories' 'Books'
115	women clothing	Clothing Accessories	'Clothing & Accessories'
116	The topic of the given text is: Fashion/Leggings	Clothing Accessories	'Clothing & Accessories'
117	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
118	Cookware	Household	'Household'
119	Cookware and Kitchen Utensils	Household	'Household' 'Clothing & Accessories'
120	Accessories for mobile devices	Electronics	'Electronics' 'Household' 'Clothing & Accessories' 'Books'
121	Camera Accessories	Electronics	'Electronics' 'Books' 'Household'
122	Products/Shopping	Household	'Household' 'Electronics' 'Books'
123	Home Decor/Lighting	Household	'Household' 'Electronics' 'Books'
124	Lighting	Electronics	'Household' 'Electronics' 'Books'
125	Books	Books	'Books' 'Household' 'Clothing & Accessories'
126	Furniture and Home Decor	Household	'Household' 'Clothing & Accessories'
127	Home Organization/Furniture	Household	'Household' 'Books'
128	Sports apparel	Clothing Accessories	'Clothing & Accessories' 'Books'
129	Activewear/ Sportswear	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books' 'Electronics'
130	Books Authors	Books	'Books'
131	Books on Education	Books	'Books' 'Household'
132	The topic of these texts appears to be "Window Treatments" or more specifically, "Bamboo Curtains and Blinds".	Household	'Household'
133	Furniture	Household	'Household' 'Books'
134	Furniture	Household	'Household' 'Books' 'Electronics'
135	Glassware	Household	'Household'
136	Fashion/Jewelry/Clothing	Clothing Accessories	'Clothing & Accessories' 'Books' 'Electronics' 'Household'
137	Fashion Accessories	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
138	Books about sports	Books	'Books' 'Household' 'Electronics'
139	Books and Products	Books	'Books' 'Household' 'Clothing & Accessories'
140	Book reviews and biographies of Napoleon Hill's "Think and Grow Rich".	Books	'Books'
141	Authors' Biographies	Books	'Books' 'Household'
142	Authors' Biographies	Books	'Books' 'Clothing & Accessories'
143	Aquariums and Water Purifiers	Electronics	'Household' 'Electronics'
144	Products Description	Household	'Household' 'Books' 'Electronics'
145	Kitchen Utensils and Appliances	Household	'Household' 'Electronics'
146	Cooking Utensils and Appliances	Household	'Household' 'Electronics' 'Books'
147	Products Description	Household	'Household' 'Books'
148	Banking Awareness	Books	'Books' 'Household'
149	Books about Business	Books	'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
150	Home Decor	Household	'Household' 'Electronics' 'Clothing & Accessories'
151	Fans	Electronics	'Household' 'Electronics'
152	Electronics/Computer Hardware/Appliances	Electronics	'Electronics' 'Household' 'Books'
153	Housekeeping Products	Household	'Household' 'Electronics'
154	Household products	Household	'Household' 'Electronics' 'Books' 'Clothing & Accessories'
155	Vacuum Cleaners	Household	'Household' 'Electronics'
156	Vacuum Cleaners	Household	'Household' 'Electronics'
157	Books Reviews	Books	'Books'
158	Education/Examination Preparation	Books	'Books'
159	Menswear/Fashion	Clothing Accessories	'Clothing & Accessories'
160	Clothing/Jackets	Clothing Accessories	'Clothing & Accessories'
161	Electronics/Audio Equipment	Electronics	'Electronics'
162	Electronics	Electronics	'Electronics' 'Household'
163	Home appliances	Household	'Household' 'Electronics'
164	Air Conditioner Models	Electronics	'Household' 'Electronics'
165	'Home and Kitchen	Household	'Household' 'Books' 'Electronics'
166	Products Description	Household	'Household' 'Electronics' 'Books' 'Clothing & Accessories'
167	Accessories	Clothing Accessories	'Clothing & Accessories' 'Electronics' 'Household' 'Books'
168	Accessories	Clothing Accessories	'Electronics' 'Clothing & Accessories' 'Household' 'Books'
169	The topic of these texts appears to be "Children's Clothing and Accessories".	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books' 'Electronics'
170	Kids clothing	Clothing Accessories	'Household' 'Clothing & Accessories' 'Books'
171	Books on various subjects including psychology, mathematics, biology, and education.	Books	'Books' 'Household'
172	Books for competitive exams	Books	'Books' 'Electronics'
173	Bakeware	Household	'Household'
174	Home and Kitchen Products	Household	'Household' 'Electronics'
175	Camera Accessories	Electronics	'Electronics'
176	Furniture	Household	'Household'
177	Furniture	Household	'Household' 'Electronics' 'Books'
178	Home Appliances	Household	'Household' 'Books' 'Electronics'
179	Products Reviews	Electronics	'Electronics' 'Household' 'Books'
180	Home and Kitchen Products	Household	'Household' 'Electronics'
181	Kitchen Utensils and Dining Accessories	Household	'Household' 'Books'
182	Books	Books	'Books' 'Household'
183	Books Reviews	Books	'Books'
184	Home Appliances	Household	'Household'
185	Tools and Hardware	Electronics	'Household' 'Books'
186	Kitchen Utensils	Household	'Household' 'Electronics'
187	Spirituality/Religion	Books	'Books' 'Household'
188	Books about spirituality and self-improvement	Books	'Books'
189	Cooking Utensils/Kitchenware	Household	'Household' 'Books'
190	Kitchen utensils	Household	'Household'
191	Health/Medicine	books	'Books' 'Electronics' 'Household'
192	Book	Books	'Books' 'Household' 'Electronics'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
193	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
194	Clothing	Clothing Accessories	'Clothing & Accessories'
195	Authors and Books	Books	'Books' 'Household'
196	Books/Authors	Books	'Books'
197	Artificial Plants and Flowers for Home Decoration	Household	'Household'
198	Home Decor	Household	'Household'
199	The topic of these texts appears to be: Women's Nightwear	Clothing Accessories	'Clothing & Accessories' 'Household'
200	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
201	Cameras and Lenses	Electronics	'Electronics' 'Household' 'Books'
202	Photography Equipment	Electronics	'Electronics' 'Books'
203	Mens clothing	Clothing Accessories	'Clothing & Accessories'
204	Electronics	Electronics	'Electronics' 'Books' 'Household'
205	'Electronics	Electronics	'Electronics' 'Clothing & Accessories' 'Books' 'Household'
206	Computer Keyboards	Electronics	'Electronics'
207	Computer Hardware Accessories	Electronics	'Books' 'Electronics' 'Household'
208	Home/Kitchen Appliances	Household	'Household'
209	Household items/Kitchenware	Household	'Household' 'Books'
210	Electronics	Electronics	'Electronics' 'Books'
211	Electronics Accessories	Electronics	'Household' 'Electronics' 'Books'
212	Books on Professional Courses	Books	'Books' 'Household'
213	Books reviews and descriptions related to India	Books	'Books'
214	US Polo Clothing	Clothing Accessories	'Clothing & Accessories'
215	Clothing/Shirts	Clothing Accessories	'Clothing & Accessories'
216	"Gifts" or "Novelty Items"	Clothing Accessories	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
217	Home Decor	Household	'Household' 'Clothing & Accessories' 'Books'
218	Education/Examination	Books	'Books'
219	The topic of these texts appears to be: Computer Science/Programming Books and their Authors.	Books	'Books' 'Electronics'
220	Books	Books	'Books' 'Electronics'
221	Kitchen Appliances	Household	'Household'
222	Kitchen Appliances	Household	'Household'
223	Shirts	Clothing Accessories	'Clothing & Accessories' 'Household'
224	Clothing	Clothing Accessories	'Clothing & Accessories' 'Books'
225	Product Descriptions	Household	'Household' 'Electronics' 'Books'
226	Products Reviews	Electronics	'Household' 'Electronics' 'Books'
227	Psychology	Books	'Books' 'Household' 'Electronics'
228	Books	Books	'Books' 'Electronics' 'Household'
229	"Medical Books"	Books	'Books'
230	Dentistry	books	'Books' 'Electronics'
231	Food/Spices	books	'Books' 'Household' 'Electronics'
232	Tea	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
233	The topic of these texts appears to be "Phone Chargers".	Electronics	'Electronics' 'Household'
234	Computer Accessories	Electronics	'Electronics' 'Household'
235	Garment Steamers	Clothing Accessories	'Household' 'Clothing & Accessories'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
236	Products Description	Household	'Household' 'Clothing & Accessories' 'Electronics' 'Books'
237	education	Books	'Books'
238	Business Studies	Books	'Books'
239	Books about India	Books	'Household' 'Books' 'Clothing & Accessories'
240	'Books	Books	'Household' 'Books' 'Clothing & Accessories'
241	Books/Thrillers	Books	'Books' 'Electronics'
242	Books/Authors	Books	'Books' 'Household' 'Electronics'
243	Accounting	Books	'Books' 'Household'
244	Books for competitive exams	Books	'Books'
245	Home and Kitchen Appliances	Household	'Books' 'Electronics' 'Household'
246	Home Appliances	Household	'Books' 'Household'
247	Sunglasses	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
248	Accessories/Eyewear	Clothing Accessories	'Clothing & Accessories' 'Electronics'
249	'Books', 'Home & Kitchen	Household	'Household' 'Books'
250	Women's clothing and accessories.	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
251	Clothing	Clothing Accessories	'Books' 'Clothing & Accessories'
252	Children's clothing	Clothing Accessories	'Clothing & Accessories' 'Books'
253	Children's Clothing	Clothing Accessories	'Clothing & Accessories' 'Books'
254	Electronics/ Home Appliances	Household	'Electronics' 'Books' 'Household'
255	Products Description	Household	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
256	Products Description	Household	'Clothing & Accessories' 'Household'
257	Products Description	Household	'Electronics' 'Household' 'Clothing & Accessories' 'Books'
258	Fans and Air Conditioning Devices	Electronics	'Household' 'Electronics' 'Books'
259	home decor	Household	'Household' 'Clothing & Accessories'
260	Home Organization/Storage	Household	'Household' 'Electronics'
261	Organization and Storage Products	Household	'Household' 'Electronics' 'Books'
262	Kitchen Utensils and Appliances	Household	'Household' 'Books' 'Electronics'
263	Kitchen Utensils and Appliances	Household	'Household' 'Books'
264	The topic of these texts is: Maternity Clothes	Clothing Accessories	'Clothing & Accessories'
265	Fashion/Beauty	Clothing Accessories	'Clothing & Accessories' 'Books' 'Electronics'
266	Women's Clothing and Accessories	Clothing Accessories	'Clothing & Accessories' 'Household' 'Electronics'
267	Kurtzy Sewing Kit, HOKIPO 45x30cm PVC Wine Glass Brown Dining table Placemats, Dining Table Kitchen Placemats	Household	'Household' 'Electronics'
268	Children's Books	Books	'Books'
269	Children's educational activity books	Books	'Books' 'Household'
270	The topic of these texts appears to be "Books about programming and computer science" or more specifically "Author descriptions of textbooks related to computer science".	Books	'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
271	The topic of the given text appears to be "Computer Networking and Certification Guides"	Electronics	'Books' 'Electronics'
272	Utensils/Kitchenware	Household	'Household'
273	Home and Kitchen Utensils	Household	'Household'
274	Products Description	Household	'Clothing & Accessories' 'Electronics' 'Household' 'Books'
275	Mens' Footwear	Clothing Accessories	'Clothing & Accessories' 'Books' 'Household' 'Electronics'
276	Home Decor/Hardware	Household	'Electronics' 'Household'
277	Laundry accessories	Household	'Household' 'Books' 'Clothing & Accessories'
278	furniture	Household	'Household' 'Electronics' 'Books'
279	Furniture	Household	'Household'
280	Kitchen Utensils/Cutlery	Household	'Household' 'Electronics'
281	Tools and Gadgets	Electronics	'Household'
282	Kitchen Appliances	Household	'Household' 'Electronics'
283	Kitchen Appliances	Household	'Household'
284	Philosophy/Spirituality	Books	'Books' 'Household'
285	Books/Literature	Books	'Books'
286	Bags Cases	Clothing Accessories	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
287	Household items	Household	'Household'
288	Products Description	Household	'Household' 'Books' 'Clothing & Accessories'
289	Home Decor/ Household Items	Household	'Household' 'Books' 'Clothing & Accessories'
290	Bathroom accessories	Household	'Household'
291	Hardware/Bathroom Accessories	Household	'Household' 'Clothing & Accessories'
292	Books on solved papers and study materials for competitive exams (JEE, NEET, etc.)	Books	'Books' 'Electronics'
293	Education/Books	Books	'Books' 'Household'
294	Lighting	Electronics	'Electronics' 'Household' 'Books'
295	Electronics	Electronics	'Electronics' 'Household' 'Books'
296	External hard drives	Electronics	'Electronics'
297	Computer Hardware	Electronics	'Electronics' 'Books'
298	Shopping/E-commerce	Clothing Accessories	'Household' 'Electronics' 'Clothing & Accessories' 'Books'
299	Home and Kitchen Products	Household	'Household'
300	self-help/personal development	Books	'Books'
301	Philosophy/Physics	Books	'Books' 'Household'
302	Education	Books	'Books' 'Electronics'
303	Education/Standardized Testing	Books	'Books'
304	Education/Textbooks	Books	'Books' 'Clothing & Accessories'
305	Books	Books	'Books' 'Household' 'Electronics'
306	Tools and Hardware	Electronics	'Household' 'Books'
307	Camera Accessories	Electronics	'Household' 'Electronics' 'Books'
308	kitchen utensils	Household	'Household' 'Books' 'Electronics'
309	Products Reviews	Electronics	'Household' 'Electronics' 'Books'
310	Printers	Electronics	'Electronics' 'Household' 'Books'
311	Menswear	Clothing Accessories	'Clothing & Accessories' 'Household'
312	Menswear	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
313	Home Appliances	Household	'Books' 'Household' 'Electronics'
314	Products Description	Household	'Books' 'Household' 'Electronics'
315	Electronics	Electronics	'Electronics' 'Household'
316	'Electronics	Electronics	'Electronics' 'Household'
317	LED Lights	Electronics	'Household' 'Electronics'
318	Batteries and Lighting Equipment	Electronics	'Household' 'Electronics' 'Books'
319	Furniture/Home Decor	Household	'Books' 'Household' 'Clothing & Accessories'
320	Products Description	Household	'Books' 'Household' 'Electronics'
321	Technology Science	Electronics	'Household' 'Electronics' 'Books'
322	Furniture	Household	'Household' 'Books' 'Electronics'
323	Bluetooth Speakers and Microphones	Electronics	'Electronics' 'Household'
324	Portable Bluetooth Speakers	Electronics	'Electronics' 'Books'
325	Economics, specifically Microeconomics books.	Household	'Books'
326	Mathematics	Books	'Books'
327	Electronics	Electronics	'Electronics' 'Books' 'Household'
328	Electronics	Electronics	'Electronics' 'Books' 'Household'
329	Computer Accessories	Electronics	'Electronics' 'Household' 'Books'
330	Computer Hardware	Electronics	'Electronics' 'Books' 'Household'
331	Home Theatre Systems	Electronics	'Electronics' 'Books'
332	Audio Equipment	Electronics	'Electronics' 'Books'
333	Electronics Accessories	Electronics	'Electronics' 'Household'
334	Electronics	Electronics	'Household' 'Electronics' 'Books'
335	Maternity Clothing	Clothing Accessories	'Clothing & Accessories' 'Electronics' 'Household' 'Books'
336	Bras	Clothing Accessories	'Clothing & Accessories' 'Household'
337	Books	Books	'Books' 'Household'
338	Movies/Books	Books	'Books' 'Electronics' 'Household'
339	Books	Books	'Books' 'Household' 'Electronics'
340	Science	Books	'Books' 'Electronics'
341	Wireless Networking Devices	Electronics	'Electronics'
342	Mobile Phones Accessories	Electronics	'Electronics' 'Books' 'Household'
343	GPS trackers	Electronics	'Household' 'Electronics' 'Books'
344	'Electronics'	Electronics	'Electronics' 'Books' 'Household' 'Clothing & Accessories'
345	Kitchen appliances	Household	'Household'
346	'Oven Toaster Grill'	Household	'Household'
347	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
348	Clothing and Accessories	Clothing Accessories	'Clothing & Accessories' 'Household'
349	Products Reviews	Electronics	'Household' 'Books' 'Electronics'
350	Products Review	Electronics	'Household' 'Books'
351	Electronics	Electronics	'Electronics' 'Books'
352	headphones	Electronics	'Electronics' 'Clothing & Accessories' 'Household'
353	Home Decor	Household	'Household' 'Electronics' 'Books'
354	Arts and Crafts Supplies	Household	'Household' 'Books' 'Electronics'
355	Electronics/Computer Accessories	Electronics	'Electronics' 'Household'
356	Computer Security Software	Electronics	'Books' 'Household' 'Electronics'
357	Books for Professional Courses in India	Books	'Books' 'Clothing & Accessories'
358	Books	Books	'Books' 'Household'
359	Washing Machines	Household	'Household' 'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
360	Cleaning Products	Household	'Household' 'Books' 'Clothing & Accessories' 'Electronics'
361	Lingerie and Undergarments	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
362	Beauty products	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books' 'Electronics'
363	Products description	Household	'Electronics' 'Household' 'Books'
364	clothing and home textiles	Clothing Accessories	'Clothing & Accessories' 'Household' 'Electronics' 'Books'
365	Furniture	Household	'Household' 'Clothing & Accessories'
366	Menswear/Kurta-Pajama sets	Clothing Accessories	'Clothing & Accessories'
367	Clothing/Kurtas	Clothing Accessories	'Household' 'Clothing & Accessories' 'Electronics'
368	ceiling fans	Household	'Household' 'Electronics'
369	Home Appliances	Household	'Household' 'Electronics'
370	Books	Books	'Books' 'Household'
371	Books	Books	'Books' 'Electronics'
372	Products descriptions	Household	'Electronics' 'Household' 'Books'
373	Home decor	Household	'Books' 'Household'
374	Electronics Accessories	Electronics	'Household' 'Electronics'
375	Mobile Phone Accessories	Electronics	'Electronics' 'Household'
376	Women's Undergarments	Clothing Accessories	'Household' 'Clothing & Accessories'
377	clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
378	Lighting Fixtures	Household	'Household'
379	Lamps	Household	'Household' 'Electronics' 'Clothing & Accessories' 'Books'
380	Handmade decorative items	Household	'Books' 'Household' 'Electronics'
381	Home Decor	Household	'Household' 'Clothing & Accessories' 'Books'
382	Air Purifiers	Electronics	'Household'
383	Air Purification and Dehumidification Products	Household	'Household' 'Books' 'Electronics'
384	Biographies & Memoirs', 'Sports'	Books	'Electronics' 'Books' 'Clothing & Accessories'
385	Books	Books	'Books' 'Electronics'
386	Maternity Nightdresses	Clothing Accessories	'Clothing & Accessories' 'Household'
387	Women's Nightwear/Lingerie	Clothing Accessories	'Clothing & Accessories'
388	Books	Books	'Books' 'Household'
389	Books	Books	'Books' 'Household'
390	Cameras	Electronics	'Electronics' 'Books' 'Household'
391	Electronics Accessories	Electronics	'Electronics' 'Household' 'Books'
392	Tea Lights/Candles	Household	'Household'
393	Home decor	Household	'Household' 'Electronics' 'Books'
394	baby clothes and accessories.	Clothing Accessories	'Clothing & Accessories' 'Household' 'Electronics'
395	Clothing	Clothing Accessories	'Household' 'Clothing & Accessories'
396	Children's Clothing	Clothing Accessories	'Clothing & Accessories' 'Books' 'Household'
397	Children's Clothing	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
398	Kitchen Appliances	Household	'Household' 'Electronics'
399	Electric Mixers	Household	'Household'
400	Furniture	Household	'Household' 'Electronics'
401	Household items/Storage solutions	Household	'Household' 'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
402	Clothing	Clothing Accessories	'Clothing & Accessories' 'Books'
403	Sarees and blouses	Clothing Accessories	'Clothing & Accessories' 'Household'
404	Medicine'	Books	'Books' 'Household' 'Electronics'
405	Health/Fitness/Diet books	Books	'Books'
406	Memory Cards	Electronics	'Electronics'
407	Floppy Drives	Electronics	'Electronics' 'Household'
408	Mobile Phone Holders	Electronics	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
409	Electronics	Electronics	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
410	Shopping	Clothing Accessories	'Clothing & Accessories' 'Books' 'Electronics' 'Household'
411	'Sunglasses', 'Gloves', 'Swimwear'	Clothing Accessories	'Clothing & Accessories' 'Books' 'Household'
412	Home Decor/Kitchenware	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
413	Home Decor/Kitchenware	Household	'Household' 'Electronics' 'Clothing & Accessories'
414	Home Appliances	Household	'Household' 'Books' 'Electronics'
415	The topic of these texts appears to be "Home and Personal Care Products".	Household	'Household'
416	Personal Finance Management	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
417	Hardware/Tools	Electronics	'Household' 'Electronics'
418	Shopping	Clothing Accessories	'Electronics' 'Household' 'Books'
419	Health Wellness	Books	'Electronics' 'Household' 'Books'
420	Books	Books	'Books' 'Household' 'Electronics'
421	Personal Finance	Household	'Books' 'Electronics'
422	Products Description	Household	'Household' 'Books' 'Clothing & Accessories' 'Electronics'
423	Household Essentials	Household	'Household' 'Clothing & Accessories' 'Electronics'
424	Kitchen Appliances	Household	'Household' 'Books'
425	Coffee Makers	Household	'Household'
426	Clothing	Clothing Accessories	'Clothing & Accessories'
427	Menswear	Clothing Accessories	'Clothing & Accessories'
428	Products Description	Household	'Clothing & Accessories' 'Electronics' 'Books' 'Household'
429	Clothing	Clothing Accessories	'Clothing & Accessories' 'Books'
430	Feminine Hygiene Products	Household	'Household' 'Clothing & Accessories' 'Books'
431	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
432	Products Description	Household	'Electronics' 'Household' 'Clothing & Accessories' 'Books'
433	Cleaning Tools and Handles	Household	'Household' 'Electronics'
434	Books about Arts Entertainment	Books	'Books' 'Household' 'Electronics'
435	Books/Authors	Books	'Books' 'Household'
436	Food/Candy/Refrigeration	Household	'Household' 'Electronics'
437	Home Decor/Products	Household	'Household' 'Books'
438	Cleaning supplies	Household	'Household' 'Electronics'
439	Camera Accessories	Electronics	'Electronics' 'Household'
440	Gardening tools and equipment	Household	'Household' 'Books' 'Electronics'
441	Kitchen Accessories	Household	'Electronics' 'Household'
442	Painting supplies	Household	'Household' 'Electronics' 'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
443	Home Decor	Household	'Household' 'Electronics' 'Books'
444	The topic of these texts appears to be children's clothing, specifically underwear and leggings.	Clothing Accessories	'Household' 'Clothing & Accessories'
445	Children's clothing	Clothing Accessories	'Clothing & Accessories'
446	Books	Books	'Books' 'Clothing & Accessories' 'Household' 'Electronics'
447	Books	Books	'Books' 'Household' 'Clothing & Accessories'
448	Medicine/Pharmacology	Books	'Books' 'Household'
449	Medicine	Books	'Books'
450	Cameras and Accessories	Electronics	'Electronics' 'Household'
451	SanDisk microSD Cards	Electronics	'Electronics'
452	Electronics	Electronics	'Electronics'
453	Car Audio Systems	Electronics	'Electronics'
454	Electronics/Audio Equipment	Electronics	'Electronics' 'Books' 'Household'
455	Audio Equipment	Electronics	'Electronics' 'Books'
456	Socks	Clothing Accessories	'Clothing & Accessories'
457	Clothing and Accessories	Clothing Accessories	'Clothing & Accessories' 'Household'
458	Home Decor/Lighting	Household	'Household' 'Electronics' 'Clothing & Accessories' 'Books'
459	Home decor	Household	'Household' 'Clothing & Accessories' 'Books'
460	Bluetooth speakers and accessories	Electronics	'Electronics' 'Books'
461	Bluetooth Adapters	Electronics	'Electronics' 'Books'
462	Product Descriptions	Household	'Household' 'Electronics' 'Clothing & Accessories'
463	Household Appliances	Electronics	'Household' 'Electronics'
464	Books Reviews	Books	'Books' 'Household'
465	Non-Fiction Books	Books	'Books' 'Household'
466	Furniture Decor	Household	'Household' 'Electronics' 'Books'
467	Home Decor/Furniture	Household	'Household' 'Clothing & Accessories'
468	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
469	Clothing	Clothing Accessories	'Clothing & Accessories'
470	Clothing	Clothing Accessories	'Clothing & Accessories' 'Household' 'Books'
471	Clothing	Clothing Accessories	'Clothing & Accessories'
472	Medical Education	Books	'Books'
473	Books for creative activities	Books	'Books' 'Electronics' 'Household'
474	Electronics	Electronics	'Household' 'Electronics' 'Books'
475	Electricity cables	Electronics	'Household' 'Electronics' 'Books'
476	Education/Entrance Examinations	Books	'Books'
477	Education/Examination Preparation	Books	'Books'
478	Household Appliances	Electronics	'Books' 'Electronics' 'Household' 'Clothing & Accessories'
479	Water Bottles/Flasks	Household	'Household' 'Electronics' 'Clothing & Accessories'
480	Computer Hardware	Electronics	'Electronics' 'Clothing & Accessories'
481	Electronics/Audio Cables	Electronics	'Electronics' 'Household'
482	Dentistry	Books	'Books' 'Clothing & Accessories' 'Electronics'
483	Health/Medical	Books	'Books' 'Electronics'
484	Products Description	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
485	Products	Household	'Electronics' 'Books' 'Household'
486	Religion	Books	'Books' 'Household'
487	Literature/Books	Books	'Books' 'Household'
488	Audio Equipment	Electronics	'Electronics' 'Household'
489	Electronics	Electronics	'Books' 'Electronics'
490	Water Heaters	Household	'Household' 'Books' 'Electronics'
491	Household Appliances	Electronics	'Household' 'Electronics'
492	Photography Equipment	Electronics	'Electronics'
493	Photography Equipment	Electronics	'Electronics' 'Household' 'Books'
494	Education/Learning Resources	Books	'Books' 'Clothing & Accessories' 'Household'
495	Books	Books	'Books' 'Clothing & Accessories' 'Household' 'Electronics'
496	Barware and Drinkware	Household	'Electronics' 'Household'
497	The topic of the given text appears to be "Glassware"	Household	'Household'
498	Monitors	Electronics	'Electronics' 'Household'
499	Electronics	Electronics	'Household' 'Electronics' 'Books'
500	Electronics/Audio Equipment	Electronics	'Electronics' 'Household'
501	Headphones	Electronics	'Electronics'
502	The topic of these texts appears to be "Women's Clothing" or more specifically, "Traditional/ethnic women's clothing".	Clothing Accessories	'Clothing & Accessories' 'Household'
503	Clothing	Clothing Accessories	'Clothing & Accessories'
504	Kitchen Utensils	Household	'Household'
505	kitchen tools	Household	'Books' 'Household'
506	Clothing	Clothing Accessories	'Clothing & Accessories' 'Electronics' 'Household' 'Books'
507	Clothing	Clothing Accessories	'Clothing & Accessories'
508	Books on competitive exams.	Books	'Books'
509	Education/Exams	Books	'Books'
510	Books on Language, Law and Education	Books	'Books'
511	Books on programming and mathematics.	Books	'Books' 'Electronics'
512	Electronics	Electronics	'Electronics' 'Books' 'Household'
513	Networking Devices	Electronics	'Electronics' 'Books'
514	Cameras Photography Accessories	Electronics	'Electronics'
515	Electronics/Optics	Electronics	'Electronics' 'Household' 'Books'
516	Non-fiction books reviews	Books	'Books'
517	Architecture	Household	'Books'
518	Lingerie	Clothing Accessories	'Clothing & Accessories' 'Books' 'Electronics'
519	Bras and accessories	Clothing Accessories	'Clothing & Accessories' 'Electronics'
520	Shopping/E-commerce products	Clothing Accessories	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
521	Hardware components	Electronics	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
522	'Red Hat Linux 8', 'D3D Wireless HD IP Wifi CCTV Indoor Security Camera ', 'In-ovu A1s Dual Sim Basic Mobile Phone ', 'LG GH24NSB0 DVD Writer	Electronics	'Electronics' 'Household' 'Books'
523	Technology/Computers	Electronics	'Household' 'Electronics' 'Books'
524	Books Authors	Books	'Books' 'Clothing & Accessories'
525	Books	Books	'Books'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
526	Accessories	Clothing Accessories	'Clothing & Accessories' 'Books' 'Electronics' 'Household'
527	mens clothing accessories	Clothing Accessories	'Clothing & Accessories' 'Books'
528	The topic of these texts is Maternity Clothing.	Clothing Accessories	'Clothing & Accessories'
529	Maternity clothing and accessories	Clothing Accessories	'Clothing & Accessories'
530	Furniture	Household	'Household' 'Electronics'
531	furniture	Household	'Household'
532	Maternity Nightdresses	Clothing Accessories	'Clothing & Accessories' 'Household'
533	Maternity clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
534	The topic of these texts is Bluetooth FM transmitters/car kits for hands-free calling and music playback in vehicles.	Electronics	'Electronics'
535	Portable speakers/mp3 players with fm radio functionality	Electronics	'Electronics'
536	Computer Hardware	Electronics	'Electronics'
537	MicroSD cards	Electronics	'Electronics'
538	Optical media products	Electronics	'Electronics'
539	Portable DVD Writers	Electronics	'Electronics'
540	Curtains	Household	'Household'
541	Home Decor/Improvement Products	Household	'Household'
542	Bedding products	Household	'Household' 'Books' 'Clothing & Accessories'
543	Home Decor/Furniture	Household	'Household' 'Books' 'Electronics' 'Clothing & Accessories'
544	Chemistry	Household	'Books' 'Household'
545	Environment/Geology	Books	'Books'
546	Counselling Psychotherapy Books	Books	'Books' 'Electronics'
547	Books	Books	'Books' 'Electronics'
548	Electronics/Fans	Electronics	'Household' 'Electronics'
549	Products Reviews	Electronics	'Household' 'Electronics' 'Clothing & Accessories'
550	Cleaning Supplies/Vacuum Cleaners	Household	'Household' 'Electronics'
551	Home Appliances	Household	'Household' 'Electronics'
552	furniture	Household	'Household' 'Books'
553	outdoor furniture	Household	'Household' 'Electronics'
554	Electronics	Electronics	'Electronics' 'Household'
555	Computer Monitors	Electronics	'Electronics'
556	Audio Accessories	Electronics	'Electronics' 'Household'
557	Electronics Accessories	Electronics	'Electronics' 'Household'
558	Home Decoration	Household	'Household'
559	Home Decor	Household	'Household' 'Electronics'
560	Laptops and Accessories	Electronics	'Electronics' 'Clothing & Accessories'
561	Products Reviews	Electronics	'Electronics' 'Household' 'Clothing & Accessories' 'Books'
562	Electronics	Electronics	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
563	Electronics	Electronics	'Electronics' 'Household' 'Books' 'Clothing & Accessories'
564	Products Description	Household	'Household' 'Electronics' 'Clothing & Accessories'
565	Personal Care Products	Household	'Household'
566	Kids' clothing	Clothing Accessories	'Clothing & Accessories'
567	Children's clothing	Clothing Accessories	'Clothing & Accessories'

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
568	Home Decor/Fabric/Crafts	Household	'Household' 'Clothing & Accessories' 'Electronics' 'Books'
569	The topic of these texts appears to be sewing-related products, specifically various types of sewing machine parts and accessories such as blinders, bobbin cases, needles, and presser feet.	Clothing Accessories	'Household'
570	Toys Games	Electronics	'Household' 'Books' 'Electronics'
571	Storage Containers/Baskets	Household	'Household'
572	Authors' Biographies	Books	'Books'
573	Books/Authors	Books	'Books' 'Electronics'
574	Home Kitchen	Household	'Clothing & Accessories' 'Household' 'Electronics' 'Books'
575	Furniture	Household	'Household' 'Books'
576	Kitchenware	Household	'Household' 'Books' 'Clothing & Accessories' 'Electronics'
577	Spices and Food Storage Containers	Household	'Household'
578	Laptops	Electronics	'Electronics'
579	Laptops and desktop computers	Electronics	'Electronics' 'Books'
580	Computer Accessories	Electronics	'Electronics' 'Household'
581	Electronics	Electronics	'Electronics' 'Clothing & Accessories' 'Household' 'Books'
582	Fashion/Clothing	Clothing Accessories	'Clothing & Accessories' 'Household'
583	Traditional clothing	Clothing Accessories	'Clothing & Accessories'
584	Products Description	Household	'Books' 'Household' 'Electronics'
585	Electronics/Computer Accessories	Electronics	'Household' 'Electronics' 'Books'
586	Games and Technology	Electronics	'Books' 'Household' 'Electronics' 'Clothing & Accessories'
587	Mechanical Engineering	Electronics	'Electronics' 'Household' 'Books'
588	Products Description	Household	'Clothing & Accessories' 'Household' 'Books' 'Electronics'
589	Clothing Accessories	Clothing Accessories	'Clothing & Accessories' 'Household'
590	Agriculture	Books	'Books'
591	"Authors" Biographies" or "About the Authors"	Books	'Books' 'Household'
592	Books	Books	'Books' 'Electronics' 'Household'
593	The Art of War	Books	'Books'
594	Furniture	Household	'Household' 'Books'
595	Furniture	Household	'Household' 'Books'
596	Photography Accessories	Electronics	'Electronics' 'Household'
597	Cameras	Electronics	'Electronics' 'Books'
598	Hinduism	Books	'Books' 'Household'
599	'Glow', 'The Life-Changing Magic of Tidying', 'Indian Superfoods: Change the Way You Eat', 'Milk and Honey', 'Milk and Honey	Books	'Books' 'Household'

Table A.10: Comparison of LLM-Assigned, Validation, and Ground Truth Topics per Cluster in the Newsgroups Dataset.

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
1	Health/Medicine	Science	Health Politics Philosophy and Religion Technology Vehicles

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
2	computer programming or coding, possibly discussing a specific error message or code issue.	Technology	Technology Science Politics
3	Food allergies and sensitivities	Health	Politics Health Science Vehicles Philosophy and Religion
4	Humor/Jokes	Politics	Philosophy and Religion Sports Science Politics Sports, Vehicles Health
5	Environment/Science	Science	Politics Philosophy and Religion Science Health Technology
6	Buying/Selling Computer Equipment/Accessories	Technology	Commerce Sports Technology Science Vehicles Politics
7	Electronics/Computing	Technology	Technology Science Commerce Vehicles
8	Clipper Chip Key Escrow System	Technology	Technology Science Politics
9	Printers	Technology	Technology Science Health Commerce Politics
10	Medicine vs Alternative Therapies	Health	Vehicles Health Philosophy and Religion
11	Printing/Scanning Technology	Technology	Technology Science Commerce Health
12	online discussions and debates within internet forums or newsgroups, covering various subjects such as freedom of speech, race relations, and labor unions.	Politics	Commerce Science Sports Technology Philosophy and Religion
13	Miscellaneous/Unknown	Philosophy and Religion	Commerce Philosophy and Religion Technology Science Vehicles
14	Cryptography/Computer Science	Technology	Technology Commerce Science Politics Philosophy and Religion
15	The topic of these texts appears to be items for sale, including event tickets, CDs, and a book.	Commerce	Commerce Science Technology Vehicles Philosophy and Religion
16	Space/Astronomy	Science	Technology Science Philosophy and Religion Commerce Health
17	Spam/Unwanted Messages	Technology	Sports Politics Technology Philosophy and Religion Vehicles
18	No Telnet Access to CompuServe	Technology	Technology Commerce Vehicles Science
19	Computer Hardware/Technology	Technology	Technology Science Vehicles Commerce
20	Baseball statistics	Sports	Sports
21	Religion/Philosophy	Philosophy and Religion	Philosophy and Religion Politics
22	"Classifieds/Wanted Ads".	Commerce	Commerce Vehicles Sports Politics Technology Science
23	Space Exploration	Science	Science Commerce Vehicles Politics Sports Technology
24	computing and information security	Technology	Technology Health Science Politics
25	Hockey	Sports	Sports
26	Religion	Philosophy and Religion	Philosophy and Religion
27	The NHL Playoffs	Sports	Sports
28	Email addresses and online communities	Technology	Vehicles Sports Technology Science Commerce Health Sports, Philosophy and Religion
29	Religion/Christianity	Philosophy and Religion	Philosophy and Religion Vehicles
30	Criticism/Disagreement	Philosophy and Religion	Sports Health Philosophy and Religion Commerce Vehicles
31	The Waco Siege	Politics	Politics Technology Philosophy and Religion Science
32	Desktop Publishing Software	Technology	Commerce Technology Vehicles Health Philosophy and Religion

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
33	Computer Networking	Technology	Technology Science Commerce Sports Vehicles
34	Science, Reconciling Faith and Reason	Philosophy and Religion	Philosophy and Religion Technology Science Health Sports, Sports
35	The topic of these texts appears to be space exploration and related topics such as planetary environments, spacecraft technology, and astronaut health.	Science	Politics Vehicles Health Science Commerce Sports, Philosophy and Religion
36	baseball	Sports	Sports Vehicles
37	Hockey	Sports	Sports Politics Science Philosophy and Religion
38	Religion	Philosophy and Religion	Philosophy and Religion Sports Health Politics
39	Computer Hardware/Software Discussion	Technology	Technology Science Commerce Politics
40	Windows issues and troubleshooting	Technology	Technology Commerce Science
41	The topic appears to be computer-related issues and questions, specifically regarding email problems, software troubleshooting, and operating systems.	Technology	Technology Science Philosophy and Religion Vehicles Sports
42	Computer Hardware and Software Issues	Technology	Technology Vehicles
43	Religion/Christianity	Philosophy and Religion	Philosophy and Religion Politics
44	Christianity	Philosophy and Religion	Philosophy and Religion
45	Middle East Politics	Politics	Politics
46	Religion	Philosophy and Religion	Philosophy and Religion Politics Vehicles Technology
47	HIPS	Health	Technology Commerce Science
48	Sports	Sports	Technology Vehicles Sports Philosophy and Religion Sports, Commerce
49	The topic of the given texts appears to be related to computer-related issues and questions, specifically regarding operating systems (DOS, Windows), hardware (printers, mice, graphics cards), and software (CLIPPER, Paradox, XView) during the early days of personal computing (circa late 1980s to early 1990s).	Technology	Technology Science Vehicles
50	Public vs Private Revelation, Assumption of Mary, Revelation 17, Prayer Request	Philosophy and Religion	Philosophy and Religion Technology
51	Encryption and Privacy	Technology	Technology Politics
52	Topic 3: Religion	Philosophy and Religion	Philosophy and Religion Technology
53	atheism vs christianity	Philosophy and Religion	Philosophy and Religion Politics
54	Topic: Various discussions on electronics, engineering, and technology	Technology	Technology Science Vehicles Health Commerce
55	X Windows System Programming	Technology	Technology
56	The topic of these texts appears to be computer-related issues and questions, specifically about fonts, characters, and graphical user interfaces (GUIs).	Technology	Technology
57	Computer Hardware	Technology	Technology Science Commerce
58	Computer Graphics	Technology	Science Technology Health
59	Antennas	Technology	Science Vehicles Technology Sports Politics Health Commerce
60	Radar Detectors	Vehicles	Vehicles Science Technology Commerce Politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
61	Homosexuality and Mental Disorder Debate	Health	IScience Sports Health Politics Philosophy and Religion
62	Government Accountability	Politics	Politics Vehicles Philosophy and Religion Technology
63	News discussion forum	Politics	IPolitics Health Vehicles Philosophy and Religion Sports, Commerce Technology Sports
64	Homosexuality	Philosophy and Religion	Philosophy and Religion Politics Sports
65	Cryptography and government surveillance	Technology	Technology Philosophy and Religion
66	Cryptography/Encryption	Technology	Technology
67	Baseball	Sports	ISports Philosophy and Religion Vehicles Politics Technology, Science
68	Baseball	Sports	ISports Technology Politics Vehicles Philosophy and Religion
69	1. Calgary Flames vs Los Angeles Kings playoff series 2. Hockey tipset results 3. NHL team MVPs, surprises, and disappointments	Sports	Sports Vehicles
70	Cars	Vehicles	Vehicles Technology Sports
71	Cars/Vehicles	Vehicles	Vehicles Technology Science Politics Philosophy and Religion
72	Predestination	Philosophy and Religion	Philosophy and Religion
73	God	Philosophy and Religion	Philosophy and Religion Science Health Commerce
74	Computer Hardware and Software	Technology	Commerce Technology Science
75	Cars	Vehicles	Vehicles Technology Science Commerce Philosophy and Religion
76	The NHL (National Hockey League)	Sports	Sports
77	News articles	Politics	ISports Science Technology Politics Vehicles
78	Computer Graphics/3D Modeling	Technology	Vehicles Technology Science
79	Christianity	Philosophy and Religion	Philosophy and Religion
80	Bible Study	Philosophy and Religion	Philosophy and Religion
81	Computer Hardware	Technology	Technology Science Commerce
82	Computer Hardware	Technology	Technology Commerce Science Vehicles
83	ARMENIAN ATROCITIES	Politics	Politics
84	Pre-Menstrual Syndrome (PMS)	Health	Health Science Politics
85	Healthcare Reform	Health	Politics Health Philosophy and Religion Commerce
86	Sports	Sports	Politics Sports Vehicles Philosophy and Religion Technology
87	Middle East	Politics	Politics
88	Politics	Politics	Politics Philosophy and Religion Sports Technology
89	Space Exploration	Science	Technology Science Philosophy and Religion
90	Politics/Economics	Politics	IScience Vehicles Politics Technology Philosophy and Religion
91	Space Exploration	Science	IScience Philosophy and Religion Politics Technology Sports, Vehicles Health
92	Height/Size	Health	ITechnology Science Sports Vehicles Philosophy and Religion

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
93	The topic of these texts appears to be the controversy surrounding the events leading up to and during the siege of the Branch Davidian compound near Waco, Texas, particularly regarding the cause of the fire and the actions of the government agencies involved (ATF and FBI).	Politics	Politics Philosophy and Religion
94	Science	Science	Science Health Philosophy and Religion Technology
95	Space Exploration	Science	Technology Science Vehicles Politics Philosophy and Religion
96	Hockey	Sports	Sports
97	Hockey	Sports	Sports
98	Hockey	Sports	Sports Vehicles
99	Programming languages and software development	Technology	Technology Science Commerce Politics
100	recovering corrupted files after running CHKDSK (Check Disk) on a Windows system.	Technology	Technology Philosophy and Religion Commerce Science
101	Health/Medical Information	Health	Health Science
102	Hockey/NHL	Sports	Sports
103	Hockey	Sports	Sports
104	The topic of the given text appears to be related to old computer systems, specifically Macintosh computers, their components such as processors, FPU's (Floating Point Units), and networking capabilities, along with discussions about upgrades and compatibility issues.	Technology	Technology Science Commerce
105	Computer Hardware/Networking	Technology	Technology Commerce Science
106	Health/Medicine	Science	Technology Health Politics Philosophy and Religion Vehicles
107	Programming languages and computer science	Technology	Technology Science Commerce
108	Software tools and programming	Technology	Technology Science Commerce Sports
109	The topic of these texts appears to be computer graphics and imaging software, specifically related to bitmap manipulation, image processing, and screen capture tools.	Technology	Technology Science Health
110	Image file formats (BMP, JPEG) and conversions between them	Technology	Technology
111	X Window System programming issues	Technology	Technology Science
112	X Window System issues	Technology	Technology Philosophy and Religion
113	X Window System	Technology	Technology
114	Unix/X-Windows issues	Technology	Technology
115	Operating Systems	Technology	Technology Commerce
116	computer-related issues and questions	Technology	Technology Commerce
117	Religion	Philosophy and Religion	Philosophy and Religion Politics Vehicles Sports
118	Religion/Philosophy	Philosophy and Religion	Philosophy and Religion Politics Technology Vehicles Sports
119	Motorcycle maintenance and accessories	Vehicles	Vehicles Politics Sports
120	Anti-Semitism/Anti-Zionism	Philosophy and Religion	Philosophy and Religion Politics Sports

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
121	Religion	Philosophy and Religion	Philosophy and Religion Politics Technology Vehicles
122	Cars	Vehicles	Vehicles Technology
123	Cars	Vehicles	Vehicles Science
124	The source code of a program that simulates the behavior of an ideal gas according to the rules of Conways Game of Life.	Science	IScience Technology Politics Vehicles Philosophy and Religion
125	NASAs Future Plans - Part II	Science	Science Technology Commerce Vehicles Health Politics
126	Politics	Politics	Philosophy and Religion Politics Science Vehicles Technology
127	Philosophy/Ethics	Philosophy and Religion	IVehicles Politics Philosophy and Religion Health Sports, Sports
128	Topic: Gun Control Debate	Politics	Politics Technology Philosophy and Religion Vehicles
129	Space Exploration	Science	Science Technology
130	Space Exploration/Astronomy	Science	Science
131	Chemistry/Science	Science	Science Health Politics Technology Vehicles
132	Miscellaneous/Off-topic discussions	Philosophy and Religion	IHealth Politics Sports Technology Vehicles
133	Computer Graphics and Programming	Technology	Technology Science Sports
134	The topics are:1. Re: JPEG FAQ 2. Looking for Enhanced Metafile spec 3. Graphics archives 4. Adobe Type Manager	Technology	Technology
135	Encryption/Security	Technology	Technology Science Vehicles Politics Health
136	The topic of these texts appears to be Computer Science/Technology, specifically discussing various technical issues and solutions related to programming, software development, networking, and font management.	Technology	Technology Science Politics Commerce Health
137	Law/Court Cases	Politics	IPolitics Philosophy and Religion Vehicles Sports Health
138	Clinton Administrations Handling of the Waco Siege	Politics	IVehicles Technology Politics Science Sports Commerce
139	Space Exploration	Science	Science Health Technology
140	Space Exploration	Science	Science Vehicles Technology
141	Geometry Algorithms	Science	Technology Science
142	Secure Digital Audio Compression	Technology	Technology Science
143	Operating Systems	Technology	Technology
144	Computer Hardware	Technology	Technology Commerce Science
145	Computer hardware	Technology	Science Technology Commerce
146	The topic of these texts appears to be the controversy surrounding the actions of the Bureau of Alcohol, Tobacco, Firearms and Explosives (BATF) and Federal Bureau of Investigation (FBI) during the siege of the Branch Davidian compound in Waco, Texas.	Politics	Politics Philosophy and Religion Vehicles
147	Topic: Crime/Violence	Politics	Vehicles Politics Technology Health Philosophy and Religion

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
148	Law Enforcement/Crime	Politics	IPolitics Vehicles Science Technology Philosophy and Religion
149	Gun rights and laws	Politics	Politics Health Vehicles Philosophy and Religion Science
150	Computer Hardware	Technology	Technology Commerce
151	Computer Hardware Performance	Technology	Technology Vehicles
152	Cars/Convertibles	Vehicles	Vehicles Commerce
153	Vehicles	Vehicles	Vehicles Commerce
154	The topic of the given text appears to be Miscellaneous/Unknown.	Philosophy and Religion	Health Politics Philosophy and Religion Technology Science
155	The topic of these texts appears to be discussions related to religion, specifically Christianity and biblical studies, including references to the Dead Sea Scrolls and historical events such as World War II.	Philosophy and Religion	IPolitics Commerce Vehicles Technology Science Health
156	Printer problems	Technology	Technology Science Health
157	Printing Issues with Special Characters	Technology	Technology Science Commerce Philosophy and Religion
158	Religion/Christianity/Atheism	Philosophy and Religion	Philosophy and Religion Technology
159	Middle East Politics/Religion	Philosophy and Religion	Philosophy and Religion Politics Health Vehicles
160	Hardware/Computer Issues	Technology	Technology Science
161	Baseball	Sports	Sports
162	The topic of these texts appears to be baseball, specifically discussing various players and their performance.	Sports	Sports
163	Car repairs/maintenance and buying/selling cars.	Vehicles	Vehicles Politics Commerce
164	Cars	Vehicles	Vehicles Science Commerce Technology
165	Crime and Punishment	Philosophy and Religion	Vehicles Politics Philosophy and Religion Technology
166	Crime Punishment	Philosophy and Religion	ITechnology Politics Vehicles Philosophy and Religion Health
167	Discussion/Debate	Philosophy and Religion	ITechnology Philosophy and Religion Sports Science Vehicles
168	The Davidian Siege	Politics	IPhilosophy and Religion Sports Science Health Technology, Politics
169	The topic of these texts appears to be "Windows Programming".	Technology	Technology Science
170	Computer Networking and Software	Technology	Technology
171	The Hackers Dilemma	Technology	IScience Technology Health Philosophy and Religion Vehicles
172	Family relationships	Health	IScience Health Technology Vehicles Sports, Philosophy and Religion
173	Medicine/Health	Health	Science Health Politics Vehicles Technology
174	Vitamins B6 & Mg++ prevent kidney stone formation	Health	Health Philosophy and Religion
175	Gun Control Debate	Politics	IPhilosophy and Religion Politics Science Sports Sports, Vehicles

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
176	The topic of the conversation appears to be the discussion of cult psychology, specifically referencing the Branch Davidian cult led by David Koresh and the Jonestown massacre led by Jim Jones. The author of the original message shares insights into the psychological manipulation tactics used by cult leaders to control their followers, making it difficult for authorities to intervene effectively. They also discuss the challenges faced by law enforcement agencies in dealing with such situations and the potential consequences of their actions.	Philosophy and Religion	Science Politics Philosophy and Religion Vehicles Health
177	Gun Control	Politics	Politics Technology Philosophy and Religion Vehicles
178	Gun Control/Assault Weapons	Politics	Politics Vehicles Technology
179	The Internet Culture	Technology	IScience Technology Politics Sports Philosophy and Religion
180	Politics	Politics	Vehicles Philosophy and Religion Science Politics Sports
181	The topic of these texts appears to be items for sale, including cars, electronics, real estate, and other miscellaneous goods.	Commerce	Commerce Vehicles
182	Cars	Vehicles	Commerce Vehicles Technology
183	Turkeys Legal Structure	Politics	Politics
184	Baseball	Sports	Sports Politics
185	Baseball	Sports	Sports Politics Technology
186	clipper chip	Technology	Technology
187	Anonymity on the net - part 3	Technology	Technology Science Vehicles
188	The topic of these texts appears to be discussions or stories related to violence, aggression, or confrontations, often involving road rage incidents or altercations with law enforcement.	Vehicles	IPolitics Philosophy and Religion Vehicles Sports Health
189	aviation	Vehicles	IScience Health Philosophy and Religion Technology Vehicles
190	Computers/Hardware	Technology	Technology Commerce
191	Computer Hardware and Software For Sale/Buy/Swap	Technology	Commerce Technology Science
192	The topic is not explicitly stated in the provided text snippet. However, based on the content and context of the conversation, it appears to be related to computer programming or coding, possibly discussing topics such as data structures, algorithms, or software development.If you could provide more information or clarify what specific aspect of the conversation you would like me to focus on, Ill do my best to assist you further.	Technology	Vehicles Politics Technology Commerce Science
193	The topic of these texts appears to be computer-related issues and discussions.	Technology	Science Technology Vehicles
194	Health/Medicine	Science	Health Technology

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
195	Law	Politics	IPolitics Health Science Vehicles Sports, Philosophy and Religion
196	Politics/Government	Politics	Politics Vehicles Technology Health Sports
197	Business/Economy	Commerce	ISports Technology Vehicles Philosophy and Religion Health
198	Miscellaneous discussions	Philosophy and Religion	ITechnology Philosophy and Religion Commerce Vehicles Sports, Politics Health
199	Law/Court Cases	Politics	IPhilosophy and Religion Sports Vehicles Politics Sports, Health Technology
200	Miscellaneous discussions	Philosophy and Religion	IPolitics Philosophy and Religion Vehicles Sports Sports, Health
201	Computers/Hardware	Technology	Technology Science Commerce Vehicles
202	Computer Hardware and Software	Technology	Technology Science Commerce
203	Cars	Vehicles	Vehicles Science Politics
204	Cars	Vehicles	Politics Vehicles Science
205	Middle East conflict (Israel-Palestine issue)	Politics	Sports Philosophy and Religion Politics Technology
206	The topic of these texts appears to be discussions related to controversial events and figures, including David Koresh, the Mountain Meadows Massacre, and possibly other sensitive topics.	Philosophy and Religion	IPhilosophy and Religion Politics Science Technology Vehicles
207	The topic of the given text appears to be related to computer graphics and image processing, particularly discussing various software tools and their capabilities for tasks such as image conversion, tracing, and displaying different file formats.	Technology	Technology
208	Graphics File Formats	Technology	Technology Science
209	The topic of these texts appears to be related to space and astronomy, specifically discussing various aspects such as amateur radio operation, weather satellites, spacecraft models, online resources for learning about space and astronomy, and requests for information on specific celestial bodies and events.	Science	Science Commerce Philosophy and Religion Technology Sports
210	Space Exploration/NASA	Science	Science Vehicles Commerce Technology
211	Baseball	Sports	Sports Vehicles Technology Commerce Science Politics Health
212	Baseball	Sports	Sports
213	Electronics/Hardware	Technology	Commerce Science Technology Vehicles
214	Electronics	Technology	Science Commerce
215	X Window System programming issues	Technology	Technology
216	Window Management under X11	Technology	Technology
217	motorcycles	Vehicles	Vehicles Commerce Sports
218	Sports Equipment	Sports	Vehicles Philosophy and Religion Commerce Sports
219	Health/Medicine	Science	Health
220	Vehicles	Vehicles	Vehicles
221	Car maintenance FAQ	Vehicles	Vehicles Technology Science
222	Freedom of Speech	Politics	Politics Technology Philosophy and Religion Science Health

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
223	Politics	Politics	Politics Technology
224	Space Exploration	Science	IVehicles Philosophy and Religion Health Science Sports, Sports Technology
225	Miscellaneous discussions	Philosophy and Religion	IPolitics Technology Vehicles Health Sports, Philosophy and Religion
226	Atheism vs Religion	Philosophy and Religion	Philosophy and Religion Health
227	atheism faq overview	Philosophy and Religion	Philosophy and Religion
228	Electronics	Technology	IScience Health Commerce Politics Philosophy and Religion, Technology
229	Electronics	Technology	Science Technology Politics Commerce
230	Computer Hardware and Software Issues	Technology	Technology Commerce
231	Computer Hardware Issues	Technology	Technology
232	Health/Medical	Health	Health Technology Science
233	Health/Medical Conditions	Health	Health Politics
234	Electronics	Technology	Commerce Technology Science Vehicles
235	Printers	Technology	Commerce Technology Science Politics
236	Miscellaneous discussions	Philosophy and Religion	Vehicles Politics Philosophy and Religion Science
237	Motorcycles/Biking	Vehicles	Vehicles Politics
238	Serial ports and modems	Technology	Technology Science
239	ISerial Datacomm Problems and Solutions	Technology	Technology Commerce Science
240	Electronics/Hardware	Technology	Science Technology Commerce Philosophy and Religion
241	Computers/Hardware	Technology	Technology Science Commerce Vehicles
242	Baseball	Sports	Sports
243	Baseball	Sports	Sports
244	Technology	Technology	Technology Science Commerce
245	Electronics, Electronics, Electronics, Electronics	Technology	Science Vehicles Commerce Health Technology
246	Miscellaneous discussions on various topics including volunteering, politics, insurance, and technology.	Technology	ICommerce Technology Science Vehicles Sports, Philosophy and Religion Politics Health
247	Education/University	Science	ITechnology Science Politics Sports Health
248	Computing/Technology	Technology	Technology Commerce Politics Sports Health
249	Computer Science/Programming	Technology	ITechnology Politics Sports Philosophy and Religion Sports, Vehicles
250	A Sports Illustrated (SI)	Technology	Vehicles Technology Science Politics Sports Commerce
251	Cryptography	Technology	Science Technology Vehicles Politics
252	baseball	Sports	Sports
253	baseball	Sports	Sports Politics
254	Motorcycles	Vehicles	Vehicles Commerce
255	motorcycles	Vehicles	Vehicles Commerce
256	The Middle East Conflict	Politics	Politics
257	Middle East Politics	Politics	Politics Philosophy and Religion
258	Computer hardware upgrades and comparisons	Technology	Technology
259	Computer Hardware	Technology	Technology Commerce
260	X Windows Programming	Technology	Technology Sports

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
261	The topic of these texts appears to be related to computer programming, specifically X Window System (X11) and its libraries such as Xlib and Xt.	Technology	Technology
262	Miscellaneous/Off-topic discussions	Philosophy and Religion	Science Vehicles Philosophy and Religion
263	morality and crime	Vehicles	ISports Technology Commerce Vehicles Science Sports, Philosophy and Religion
264	Space Exploration and Research Funding	Science	Science Technology
265	Space colonization and societal implications	Science	Science Politics Philosophy and Religion Technology Vehicles
266	religion	Philosophy and Religion	IPhilosophy and Religion Science Sports Vehicles Technology, Politics
267	Religion/History	Philosophy and Religion	IPhilosophy and Religion Sports Science Politics Sports, Vehicles Health
268	Computer Hardware	Technology	Technology Commerce
269	Hardware issues and compatibility questions regarding various devices such as CD-ROM drives, hard disk drives, and DAT drives, specifically in relation to their connection and recognition by computers.	Technology	Technology Commerce Science
270	Space Exploration	Science	Science Vehicles Technology Health Commerce Sports
271	electronics	Technology	Science Commerce Health Technology Vehicles
272	Cars	Vehicles	Vehicles
273	Cars	Vehicles	Vehicles Science Technology
274	Death Penalty	Politics	IPolitics Philosophy and Religion Commerce Vehicles Sports, Sports Technology
275	Humor/Wordplay	Politics	ITechnology Philosophy and Religion Sports Vehicles Sports, Commerce Politics Health
276	Reincarnation, Morality	Philosophy and Religion	Philosophy and Religion Politics
277	Ethics/Morality	Philosophy and Religion	Philosophy and Religion Sports Politics
278	Sports	Sports	Sports Vehicles Technology Philosophy and Religion
279	Baseball	Sports	Sports
280	How can I get my shell back when using olvwm?	Technology	Technology Science
281	Computing/Technology	Technology	Technology
282	motorcycles	Vehicles	Politics Vehicles Science Sports Technology
283	Computer Science/Programming	Technology	Science Vehicles Technology Commerce
284	atheism	Philosophy and Religion	Philosophy and Religion Sports Politics Vehicles Technology
285	Philosophy	Philosophy and Religion	IHealth Philosophy and Religion Politics Technology Sports, Vehicles
286	Computer hardware - specifically video cards and computer graphics accelerators	Technology	Technology Commerce Science
287	computer hardware discussion	Technology	Technology
288	Psychology	Science	IVehicles Technology Science Politics Philosophy and Religion
289	Humor/Sarcasm	Politics	IPolitics Technology Philosophy and Religion Sports Vehicles
290	Electronics/Audio Equipment for Sale	Technology	Commerce Science Technology

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
291	The topic of these texts appears to be items for sale, specifically musical equipment and media such as drum machines, samplers, CDs, and cassette tapes.	Commerce	Commerce Technology Science
292	Miscellaneous/General Questions	Philosophy and Religion	IHealth Vehicles Technology Commerce Sports, Philosophy and Religion
293	Health/Medical Issues	Health	Health Vehicles
294	Miscellaneous discussions	Philosophy and Religion	IPolitics Sports Philosophy and Religion Science Sports, Commerce Vehicles Health
295	The topic of these texts appears to be related to historical events, specifically World War I and its aftermath, as well as discussions about military strategy and tactics.	Politics	Politics Sports Technology Philosophy and Religion Vehicles
296	For Sale Items	Commerce	Health Vehicles Commerce Science Technology Sports
297	Photography Equipment For Sale	Commerce	Commerce Science Technology
298	Space Exploration	Science	Science
299	Aerospace Engineering	Technology	Science Politics Vehicles Technology Philosophy and Religion
300	The topic appears to be related to cryptography, government agencies (NSA), and privacy concerns.	Technology	IPhilosophy and Religion Science Politics Technology Sports, Health Vehicles
301	Insults and criticism on an online forum.	Philosophy and Religion	IHealth Politics Vehicles Sports Technology Sports, Philosophy and Religion
302	Atheism/Agnosticism vs Christianity	Philosophy and Religion	Philosophy and Religion Politics
303	Atheism vs Theism	Philosophy and Religion	Philosophy and Religion Health
304	The topic of the provided text appears to be "Scientific and Technical Inquiries".	Science	Technology Science Politics Commerce Vehicles
305	Miscellaneous	Philosophy and Religion	ITechnology Sports Science Health Philosophy and Religion
306	technology, computing, and electronics.	Technology	Technology Science Politics
307	The topic of the article is Graphics	Technology	Science Technology Commerce Health Politics
308	Compiling X11R5 on SunOS 4.1.1	Technology	Technology
309	Computer Hardware/Software Issues	Technology	Technology Politics
310	Computer Hardware	Technology	Technology Commerce Science
311	Drivers for various hardware components (e.g., graphics cards, sound cards, SCSI devices) compatible with Windows 3.1.	Technology	Technology Science
312	Heat/Cooling Systems	Technology	Politics Science Vehicles Health Technology
313	Batteries	Technology	Science Vehicles Politics Technology Sports
314	For Sale	Commerce	Commerce Sports Technology
315	Video Games For Sale	Commerce	Commerce Science Technology Vehicles
316	The topic of these texts appears to be computer hardware and technical support, specifically related to older computers and their components such as memory, hard drives, and peripherals.	Technology	Technology Commerce Science

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
317	The topic of these texts appears to be computer hardware and electronics, specifically related to connecting devices, programming, and troubleshooting various components such as serial ports, drives, printers, and microcontrollers.	Technology	Technology Science Commerce
318	Government Information and Policy	Politics	Politics Technology Science Philosophy and Religion
319	Science and Technology	Science	IScience Philosophy and Religion Technology Politics Vehicles
320	The topic of these texts appears to be informal discussions among friends or acquaintances, covering various topics such as personal preferences, health concerns, and social activities.	Health	IHealth Sports Vehicles Science Politics Sports, Philosophy and Religion
321	Health/Medical	Health	Health Science Vehicles Technology
322	Health/Medicine	Science	Health Vehicles
323	Alternative medicine - Chiropractic, Homeopathy, Acupuncture, etc.	Health	Health Vehicles
324	Baseball	Sports	Sports Politics
325	Sports	Sports	Sports
326	Pregnancy and Conception	Health	Politics Health Vehicles Technology Science
327	The Death Penalty	Politics	IPhilosophy and Religion Politics Science Health Vehicles
328	Islam	Philosophy and Religion	Philosophy and Religion Politics
329	Religion	Philosophy and Religion	Philosophy and Religion Politics Technology
330	Computer Hardware	Technology	Technology Science Commerce Health
331	Hardware Compatibility	Technology	Technology Commerce
332	Announcing aXe 5.0: A Simple Text Editor for X	Technology	Technology
333	The topic of these texts appears to be computer-related discussions, specifically focusing on graphical user interfaces (GUI), operating systems (Windows, Unix, OS2), and software development toolkits (e.g., Motif, NeXTSTEP).	Technology	Technology
334	Image Format Conversion	Technology	Technology
335	Computer graphics and image processing	Technology	Technology Science
336	For Sale/Wanted	Commerce	Commerce Technology Science
337	The topic appears to be "aviation" or more broadly "flight".	Vehicles	Science Philosophy and Religion Health Commerce Technology
338	The topic of the given text appears to be "Computer Hardware and Software Discussions".	Technology	Technology Science
339	Computer Hardware and Data Storage	Technology	Technology Commerce
340	Miscellaneous	Philosophy and Religion	IPolitics Science Vehicles Health Philosophy and Religion
341	Politics	Politics	Politics Technology Science Philosophy and Religion
342	Gun Control	Politics	Politics Vehicles Science Philosophy and Religion
343	Gun Control Debate	Politics	Politics Philosophy and Religion

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
344	Computer Hardware Troubleshooting	Technology	Technology Science Commerce
345	Computer Hardware Issues	Technology	Technology Science
346	Cars	Vehicles	Vehicles Commerce
347	Cars discussion	Vehicles	Technology Vehicles Commerce Science
348	Baseball	Sports	Sports Science Commerce
349	Baseball	Sports	IScience Commerce Sports Technology Philosophy and Religion
350	The topic of the given text appears to be Religion	Philosophy and Religion	IHealth Philosophy and Religion Politics Technology Sports, Science
351	Religion vs. Atheism	Philosophy and Religion	Politics Science Philosophy and Religion Technology
352	The topic of the given text appears to be related to telecommunications technology, specifically discussing various aspects such as voice compression, encryption, and the potential uses and implications of advanced communication systems.	Technology	Technology Science Commerce
353	The topic of the given text appears to be related to privacy concerns, specifically regarding the use of the "Clipper Chip" by the US government and its potential impact on businesses and individuals.	Technology	Technology Science Health Commerce
354	Software availability and requests	Technology	Technology Health Science
355	The topic of these texts appears to be about accessing files through File Transfer Protocol (FTP) servers.	Technology	Technology Science
356	Computer Monitors	Technology	Technology Science
357	Computer Monitors	Technology	Technology Science Commerce
358	Electronics	Technology	Science Commerce Vehicles Technology
359	Electrical Wiring and Safety	Technology	Science Vehicles Health Technology
360	Electronics/Computing - Buying/Selling Used Equipment	Technology	Commerce Science Technology
361	Electronics/For Sale	Technology	Commerce Technology Science
362	The Branch Davidians siege/Waco incident	Philosophy and Religion	Science Politics Philosophy and Religion Technology
363	Government Criticism	Politics	Philosophy and Religion Science Politics Vehicles Sports
364	The topic of these texts is computer science and technology, specifically discussions around software licensing, clipper chip, polygon clipping, and other technical topics.	Technology	ITechnology Politics Vehicles Science Philosophy and Religion
365	The topic of these texts appears to be computer-related discussions, specifically focusing on file sharing, software tools, and online resources via FTP (File Transfer Protocol) sites.	Technology	IScience Technology Vehicles Politics Commerce
366	Computer Hardware	Technology	Technology Commerce
367	Computer Hardware	Technology	Technology Commerce
368	Lawn mowers and motorcycles	Vehicles	Vehicles Commerce Science
369	Motorcycles	Vehicles	Vehicles
370	Hardware issues and troubleshooting	Technology	Technology Science
371	Computer hardware issues and upgrades	Technology	Technology

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
372	The topic of the given text is: For sale: modems	Technology	Commerce Science Technology Vehicles
373	Technology/Computing/Electronics	Technology	Science Technology Commerce
374	IXFree86 Frequently Asked Questions	Technology	Technology Science Commerce
375	SCSI vs IDE, Repost: PowerPC 601 Processor, Multi-tasking computers	Technology	Technology
376	Insurance quotes comparison	Commerce	IVehicles Politics Philosophy and Religion Technology Commerce
377	Online Shopping/Scams	Commerce	Vehicles Technology Commerce Health Politics Science
378	NASA Field Centers	Science	Politics Vehicles Science Health Commerce
379	The topic appears to be related to politics and governance, specifically discussing the role of the US Constitution, the concept of direct democracy, gun control laws, and the medias coverage of political events.	Politics	Politics Philosophy and Religion Science Vehicles
380	Computers/Technology	Technology	Commerce Science Technology
381	Video game industry	Technology	Technology Commerce Vehicles Science
382	The topic of the provided text appears to be discussions related to the Israeli-Palestinian conflict, including criticisms of Israels actions, accusations of anti-Semitism, and debates about historical events involving Muslims and Jews.	Politics	Politics Philosophy and Religion
383	Middle East conflict	Politics	Politics Philosophy and Religion
384	Graphics Cards and Drivers	Technology	Technology
385	Graphics Cards	Technology	Technology Commerce
386	Vehicles (cars/trucks/bikes), specifically issues with brakes, driving techniques, and vehicle maintenance.	Vehicles	Vehicles Technology
387	Motorcycles	Vehicles	Vehicles Philosophy and Religion Commerce
388	Politics	Politics	Politics Science Technology Philosophy and Religion
389	Politics/Government	Politics	Politics Philosophy and Religion Vehicles Technology Sports
390	Baseball	Sports	Sports Health
391	Baseball Umpiring Incident	Sports	Sports Philosophy and Religion
392	The topic of the given text appears to be related to technical issues and troubleshooting with Unix-based systems, specifically with X Window System applications such as Xsun and xterm, and issues with character encoding and display.	Technology	Technology Science
393	Programming issues with various software including XV, Xlib, and Microsoft Foundation Classes (MFC), specifically related to compatibility, compilation, and functionality across different platforms such as Unix, Windows, and Irix.	Technology	Technology
394	The topic of these texts is computer hardware and electronics.	Technology	Science Technology Commerce
395	Computer Hardware	Technology	Technology Science Commerce

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
396	Computer Science/Computer Graphics	Technology	Technology Health Politics
397	The topic of these texts appears to be requests for information or assistance related to various scientific and academic topics, including genetics, computer science, and software development.	Science	Technology Science Health Commerce
398	IMedications and Health Supplements	Science	Health
399	Health/Medical Conditions	Health	Health Science
400	Electronics/Computer Hardware	Technology	Science Technology
401	Clipper Chip	Technology	Technology Science
402	Computer Graphics	Technology	Technology Science Health
403	Computer Graphics	Technology	Technology Science
404	Science/Philosophy	Philosophy and Religion	Philosophy and Religion Science Technology Health
405	Philosophy/Science Discussion	Science	Science Philosophy and Religion Technology Health
406	Topic: Government Regulation vs. Laissez-Faire Economics	Politics	Politics Philosophy and Religion Sports Technology
407	Kuwait's Independence From Iraq And Ottomans	Politics	Philosophy and Religion Politics Technology Sports Science
408	motorcycles	Vehicles	Science Vehicles Commerce
409	Car shows and motorcycle rallies	Vehicles	Commerce Vehicles Science
410	Criticism of online behavior/posting habits	Technology	Technology Sports Science Politics Vehicles Health
411	Humor/Sarcasm	Politics.	Sports Vehicles Science Politics Philosophy and Religion Technology
412	Miscellaneous/Unknown	Philosophy and Religion	Science Commerce Politics Sports Philosophy and Religion, Technology Vehicles Health
413	The topic appears to be humor or jokes, specifically discussing whether certain statements were intended to be humorous or not.	Philosophy and Religion	Philosophy and Religion Technology Vehicles Politics Health
414	Motorcycles/Motorcycling	Vehicles	Vehicles Philosophy and Religion Science
415	The topic of the given text appears to be motorcycles and related issues such as safety, helmets, and traffic behavior.	Vehicles	Vehicles
416	The topic appears to be "Miscellaneous discussions" as the texts seem unrelated and cover various topics such as asking about the density of skull bones, making humorous comments about nationalities, discussing ergonomic keyboards, commenting on word complexity, and referencing historical events.	Science	Technology Commerce Vehicles Health Sports Politics Science
417	Health/Medical Questions	Health	Health Sports Technology
418	The topic of these texts appears to be about finding and sharing information related to graphic viewers and image editing software for MS-DOS and Windows, specifically for viewing GIFs and other image formats.	Technology	Technology Science Vehicles
419	Computational Geometry Mailing List FAQ	Technology	Technology Science

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
420	Politics	Politics	Politics Commerce Sports Science Technology Vehicles Health
421	Education/College	Science	Technology Politics Vehicles Sports Philosophy and Religion
422	Computer Hardware Discussion	Technology	Technology Commerce Science Vehicles
423	Technology/Computers	Technology	Technology Science Commerce
424	Shopping/Consumer Goods	Commerce	Science Vehicles Technology Commerce Sports Politics
425	Miscellaneous classified ads	Commerce	Commerce Philosophy and Religion Science Vehicles Sports, Technology
426	The topic of these texts is Computer Hardware and Software.	Technology	Technology Commerce Science
427	Image processing and display	Technology	Technology
428	Health/Medical	Health	Politics Health Philosophy and Religion Vehicles
429	health	Health	Health Science
430	Computer hardware, specifically graphics cards and monitors	Technology	Technology Commerce Science
431	Computer Monitors	Technology	Technology Science Commerce
432	The 8th Scandinavian Conference on Image Analysis	Science	Technology Science Politics
433	Galileo Status Report	Science	Science Vehicles Technology
434	jews, israel, holocaust, nazi, germany war, iraq, kuwait, saddam, bush	Politics	Politics Philosophy and Religion
435	Politics	Politics	Politics Philosophy and Religion
436	Audio Equipment	Technology	Science Technology Commerce
437	Electronics	Technology	Science Commerce Health Technology
438	Hockey/NHL Playoffs	Sports	Sports
439	Hockey	Sports	Sports
440	Computer Science/Technology	Technology	Science Technology Philosophy and Religion
441	Computer Hardware/Software Wanted	Technology	Technology Commerce Science
442	motorcycles	Vehicles	Vehicles
443	The topic of the given text appears to be motorcycle culture, specifically the practice of waving among motorcyclists.	Vehicles	Vehicles
444	Computer hardware for sale/trade	Technology	Commerce Technology Vehicles
445	The topic of these texts appears to be buying and selling computer hardware, specifically hard drives and laptops, likely in the early days of personal computing.	Technology	Technology Commerce
446	Computer Hardware	Technology	Technology Science
447	Health/Medical Issues	Health	Science Technology Health Vehicles Sports
448	Baseball	Sports	Sports
449	Baseball predictions and discussion	Sports	Sports
450	Encryption and Government Surveillance	Technology	Technology Politics Vehicles Commerce
451	Cryptography and Law Enforcement	Technology	Technology Philosophy and Religion Politics
452	Miscellaneous discussions	Philosophy and Religion	Politics Technology Vehicles Philosophy and Religion Health
453	Politics/Religion	Philosophy and Religion	Politics Technology Sports Philosophy and Religion

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
454	Telephone services and equipment	Technology	Science Technology Health Commerce Philosophy and Religion
455	Cars	Vehicles	Science Technology Vehicles Politics Commerce
456	Politics	Politics	Technology Politics Vehicles Science
457	Gun Control/Politics/Government	Politics	Politics Technology Science Vehicles
458	Hockey	Sports	Sports
459	Hockey	Sports	Sports
460	Gun Control Hearing Report	Politics	Politics
461	Waco Siege	Politics	Politics Philosophy and Religion
462	religion	Philosophy and Religion	Politics Philosophy and Religion Health
463	Christianity	Philosophy and Religion	Philosophy and Religion
464	Religion/Bible	Philosophy and Religion	Philosophy and Religion Commerce
465	Religion	Philosophy and Religion	Philosophy and Religion Politics Technol- ogy
466	religion	Philosophy and Religion	Philosophy and Religion Politics
467	Religion	Philosophy and Religion	Philosophy and Religion Politics Health Vehicles
468	computer hardware shopping	Technology	Commerce Technology Vehicles Science Philosophy and Religion
469	Computer hardware sales/trades	Technology	Science Commerce Technology Vehicles
470	Christianity vs. Other Religions	Philosophy and Religion	Philosophy and Religion
471	christians, bible, scripture, interpretation, theology	Philosophy and Religion	Philosophy and Religion
472	The topic of these texts appears to be Religion/Philosophy.	Philosophy and Religion	Science Philosophy and Religion Politics Technology Sports, Health
473	Atheism vs Religion	Philosophy and Religion	Philosophy and Religion Vehicles Technol- ogy Sports Sports, Health
474	The topic appears to be computer-related discussions, specifically internet domains, email addresses, FTP sites, and online communities.	Technology	Technology Science Sports Vehicles Poli- tics Commerce
475	Education	Science	Science Technology Commerce Politics Sports
476	Christianity	Philosophy and Religion	Philosophy and Religion Politics
477	The topic of these texts appears to be religion vs secularism/atheism, specifically discussing the perceived hypocrisy and extremism of certain religious individuals/-groups, while also defending ones own beliefs and values.	Philosophy and Religion	Philosophy and Religion Politics
478	copyright protection schemes for software	Technology	Science Technology Commerce
479	Cryptography	Technology	Technology Science
480	Computer Hardware	Technology	Technology Science
481	The topic of these texts appears to be computer-related discussions, specifically focusing on hardware, networking, and programming issues.	Technology	Science Technology Health
482	Fanatic Behavior	Sports	Technology Sports Vehicles Commerce Politics Sports, Philosophy and Religion
483	Baseball Uniforms	Sports	Sports Science Vehicles Philosophy and Religion
484	Computer Hardware Performance	Technology	Technology Science

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
485	Computer Hardware Issues	Technology	Science Technology Philosophy and Religion
486	Audio Electronics	Technology	Science Commerce Vehicles
487	Electronics/Computer Hardware	Technology	Science Vehicles Technology
488	Christianity	Philosophy and Religion	Philosophy and Religion Politics
489	Christianity/Bible Study	Philosophy and Religion	Philosophy and Religion Politics
490	Pharmaceuticals/Drugs	Health	Health Politics
491	Health/Medicine	Science	Health
492	bush sadam war	Politics	Politics Philosophy and Religion Vehicles
493	War/Crime	Politics	Politics Philosophy and Religion Technology Vehicles
494	The topic appears to be "Seeking Information or Clarification".	Philosophy and Religion	Politics, Philosophy and Religion
495	History/Politics	Politics	Philosophy and Religion, Politics
496	Christianity/Bible	Philosophy and Religion	Philosophy and Religion Politics
497	Christianity/Catholicism	Philosophy and Religion	Philosophy and Religion
498	Motorcycles	Vehicles	Vehicles Health
499	Biking encounters with animals	Vehicles	Vehicles Health
500	Hockey	Sports	Sports Technology Politics Philosophy and Religion
501	Hockey	Sports	Sports Politics
502	Abortion, Genetics, Christianity, Habitability of Planets, Omnipotence	Philosophy and Religion	Philosophy and Religion Health Politics Science
503	The topic of these texts appears to be Christianity/Religion	Philosophy and Religion	Technology Philosophy and Religion Politics Health
504	The topic of these texts appears to be related to mathematics, specifically algebra and number theory, as well as some unrelated emails about sharing files and doing business.	Science	Technology
505	Online discussions/computer-related issues	Technology	Science Technology Sports Health Vehicles Politics
506	Computer Science	Technology	Technology
507	Windows Software	Technology	Technology Politics
508	"Armed Citizen", "Sports Talk Radio"]	Sports	Sports Vehicles Politics Philosophy and Religion Technology
509	IBatmans Motorcycle Helmet	Vehicles	Commerce Vehicles
510	Hard Drive Problems	Technology	Technology Science Vehicles
511	Operating Systems	Technology	Technology Commerce Science
512	Homosexuality	Health	Politics Philosophy and Religion Science Vehicles Health
513	Sexuality and Gender Roles	Philosophy and Religion	Politics Philosophy and Religion
514	Health Care Reform	Politics	Science Politics Technology Vehicles
515	Politics	Politics	Politics Technology
516	Hockey	Sports	Philosophy and Religion Sports Health Vehicles
517	Sports events/ticket sales	Commerce	Sports Technology Science Commerce Vehicles
518	Politics/International Relations	Politics	Politics Philosophy and Religion Science
519	The topic of the given text is the Bosnian War and the treatment of Bosnian Muslims during the conflict.	Politics	Politics Philosophy and Religion
520	Hockey	Sports	Sports
521	Hockey	Sports	Sports

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
522	Hacking/cheating methods	Technology	Technology
523	General Discussion or Miscellaneous under Car Maintenance/Brakes	Vehicles	Science Technology Politics Health Vehicles
524	Cars	Vehicles	Vehicles Science Technology Commerce
525	Car Problems and Purchases	Vehicles	Vehicles
526	Graphics Software	Technology	Technology Commerce Philosophy and Religion
527	Graphics Software	Technology	Technology Science
528	The Waco Siege	Politics	Politics Technology Philosophy and Religion
529	The Waco Siege	Politics	Politics Philosophy and Religion Vehicles
530	religion	Philosophy and Religion	Philosophy and Religion Politics Science Technology
531	The topic of these texts appears to be religion/bible studies.	Philosophy and Religion	Philosophy and Religion Health Politics Technology Sports
532	Computer-related discussions	Technology	Technology
533	The topic of the given text appears to be related to space exploration, technology, and its potential applications, with mentions of lunar bases, spacecraft, and orbital billboards.	Science	Science Health Technology
534	Computer hardware issues and customer service experiences	Technology	Technology Science Sports
535	Computer Hardware Issues	Technology	Technology Commerce
536	Miscellaneous/General Interest	Philosophy and Religion	Health Politics Technology Science Philosophy and Religion
537	Food/MSG	Health	Health
538	Baseball	Sports	Vehicles Sports Technology Science Commerce
539	Sports	Sports	Sports Philosophy and Religion Politics Science Technology
540	Hockey	Sports	Sports
541	National Hockey League (NHL)	Sports	Sports
542	Philosophy of Science	Philosophy and Religion	Science Philosophy and Religion Health Technology
543	Science	Science	Philosophy and Religion Health Science
544	Cryptography policy	Technology	Technology
545	Radar Detectors and Law Enforcement	Vehicles	Science Technology Vehicles Philosophy and Religion Politics
546	The topic appears to be related to historical events, specifically the Armenian Genocide and the Bosnian War, as well as discussions about politics, terrorism, and international relations.	Politics	Politics Philosophy and Religion Technology
547	Politics	Politics	Vehicles Politics Philosophy and Religion Health Science
548	Computer Hardware	Technology	Technology Science Sports Commerce Philosophy and Religion
549	Computer Hardware and Software Issues	Technology	Technology Science Sports
550	Sports	Sports	Sports Commerce
551	IThe final answer is: Hockey	Sports	Sports Vehicles Politics
552	Religion	Philosophy and Religion	Philosophy and Religion Technology Politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
553	The topic of the given text appears to be religion/Christianity vs atheism/non-belief, specifically discussions/debates between individuals holding different beliefs.	Philosophy and Religion	Philosophy and Religion Politics Health
554	computer graphics	Technology	Technology Philosophy and Religion
555	The topic of these texts appears to be computer graphics programming, specifically discussing various techniques and algorithms related to 2D and 3D rendering, such as morphing, hidden-line removal, drawing tools, and geometric transformations.	Technology	Technology
556	Homosexuality	Philosophy and Religion	Politics Philosophy and Religion Health
557	Space Exploration	Science	Science Technology Politics Vehicles Philosophy and Religion
558	Book Reviews	Books	Philosophy and Religion Science
559	The Apocrypha/Deuterocanonical Books Debate	Philosophy and Religion	Philosophy and Religion Science
560	Motorcycles	Vehicles	Vehicles Commerce Technology
561	Vehicles	Vehicles	Vehicles Science
562	Computer Hardware	Technology	Technology Science
563	Computer Hardware and Electronics	Technology	Technology Science
564	Gun control and insurance companies tactics	Politics	Vehicles Philosophy and Religion Technology Politics Sports,Health
565	Law/Politics	Politics	Politics Science Vehicles Technology
566	Motorcycle Electronics	Vehicles	Vehicles Science Technology Politics
567	Cryptography and Computer Security	Technology	Technology Vehicles Science
568	Encryption	Technology	Technology Politics
569	The topic of these texts appears to be cryptography and patents.	Technology	Technology Philosophy and Religion Science Politics
570	Politics/Government	Politics	Politics Philosophy and Religion Commerce Sports Technology, Science Health Vehicles
571	Politics	Politics	Politics Technology Science
572	Hockey	Sports	Sports Politics Vehicles
573	Hockey	Sports	Sports
574	Government Criticism	Politics	Politics Technology Philosophy and Religion Science
575	Miscellaneous discussions	Philosophy and Religion	Technology Politics Vehicles Philosophy and Religion Science
576	Health/Medical	Health	Health Philosophy and Religion Politics Technology
577	Biology/Physiology	Science	Health Vehicles Philosophy and Religion Science Technology, Politics
578	Health/Medical	Health	Health Politics Commerce Sports Philosophy and Religion
579	The topic of the given text appears to be drug use/abuse and its effects.	Health	Politics Health Commerce Technology Sports
580	The topic appears to be "Computer Hardware Sales" or more specifically, buying and selling computer equipment on an online forum.	Technology	Vehicles Technology Commerce Science Politics

Cluster	LLM-Assigned Topic	Validation Topic	Ground Truth
581	The topic of these texts appears to be about Apple Macintosh computers, specifically the Powerbook Duo models, their prices, and availability.	Technology	Technology Vehicles Commerce Health
582	Guns	Politics	Politics
583	Guns	Politics	Vehicles Philosophy and Religion Politics
584	Computer graphics	Technology	Technology
585	Computer Science	Technology	Technology Science Sports
586	Computer-related issues and software questions	Technology	Technology Science
587	Email and Computer Graphics	Technology	Technology Philosophy and Religion Vehicles Commerce
588	Car maintenance and repair	Vehicles	Technology Vehicles Science Sports Health Politics
589	Car problems and accessories	Vehicles	Vehicles Science
590	Karabakh conflict	Politics	Politics
591	Turkish-Armenian relations	Politics	Politics
592	Politics & Government	Philosophy and Religion	Politics Technology
593	Gun Control/Gun Rights	Politics	Politics Technology Science Vehicles
594	The topic appears to be online discussions/debates, possibly on sensitive topics such as politics, religion, and social issues, with some posts expressing strong opinions and personal attacks.	Politics	Science Sports Politics Health Philosophy and Religion,
595	News/Current Events	Politics	Politics Sports Vehicles Health Philosophy and Religion Technology
596	Space Exploration	Science	Science Health Vehicles Technology Politics
597	Space Exploration	Science	Science
598	Computer Hardware Issues	Technology	Technology