

Appendix

Topic	Label	FREX10 (stem)
1	Activist	demonstration, klimastreik, solidar, strass, motto, beend, krieg, ukrain, aktionstag, campact
2	Activist light	klima, konzern, grupp, bundestag, ratifizier, gewalt, gesetzentwurf, jugend, off, brief
3	Transportation	wasserstoff, emissionshandel, km, ets, klimaschad, brennstoff, verkehr, emission, zuteil, tempolimit
4	Industrial / economy	industri, transformation, klimaneutral, gestalt, industriell, sozialstaat, digitalisier, wirtschaft, herausforder, investition
5	Projects	projekt, schul, jung, einricht, partn, spend, bay, mitarbeit, gemeinnutz, bayer
6	Supply Chains	schutz, wald, lieferkett, holz, entwald, zertifiziert, regenwald, bericht, rohstoff, anbau
7	Housing	energet, mieterinn, miet, gebaud, gebaudesektor, vermiet, sanier, wohnung, neubau, schlecht
8	Financial Security	grundsicher, einkomm, regelsatz, haushalt, energiepreis, steu, entlastungspaket, rentn, entlast, klimaprami
9	Mobility	mobilitatsw, öpnv, vcd, bahn, ticket, mobilitat, sozialvertrag, evangel, bus, verkehrspolit
10	Nutrition	ernahr, zukunftscommission, landwirtschaft, ernährungsstrategi, agrarpolit, v, pestizid, e, lebensmittel, gesund
11	Environmental Protection	naturschutz, biolog, naturvertrag, partei, artensterb, verlust, bundestagswahl, art, ressourcenverbrauch, vielfalt
12	(Workers) Participation	betriebsrat, tarifvertrag, beschäftigt, arbeitgeb, mitbestimm, betrieb, branch, kolleg, arbeitsbeding, kolleginn

Table 3 STM with K=12, manually labeled

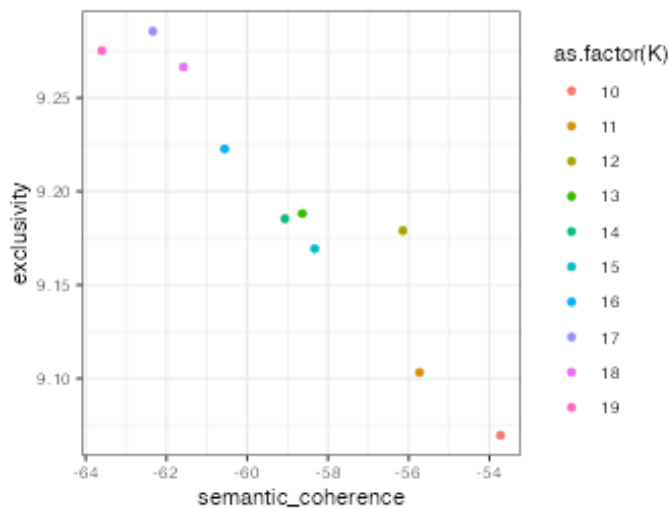


Fig. 5 STM with different K's, average values of exclusivity and semantic coherence, maximized with K = 12

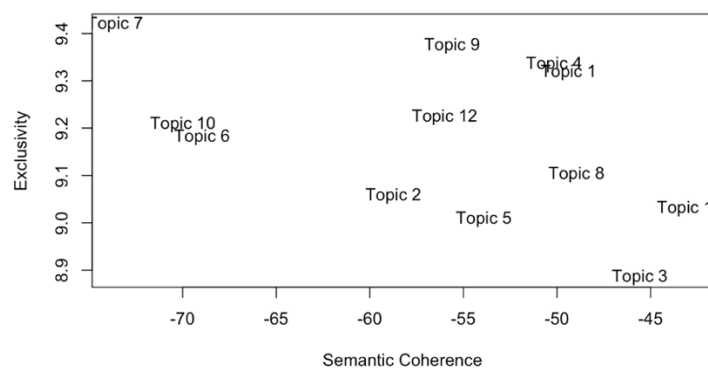


Fig. 6 STM with K =12, exclusivity and semantic coherence for the topics within the model

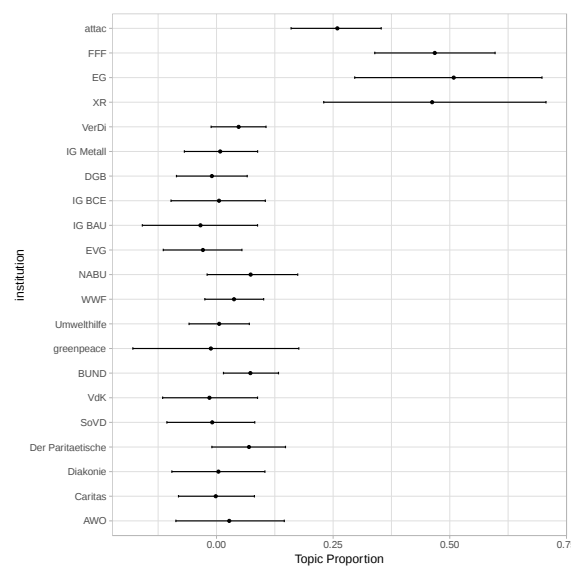


Fig. 7 STM with K=12, point estimation for topic 1, mean topic proportion by actor

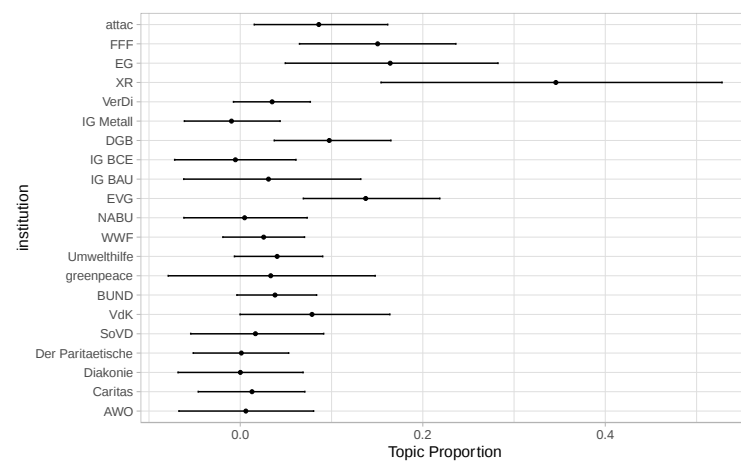


Fig. 8 STM with K=12, point estimation for topic 2, mean topic proportion by actor

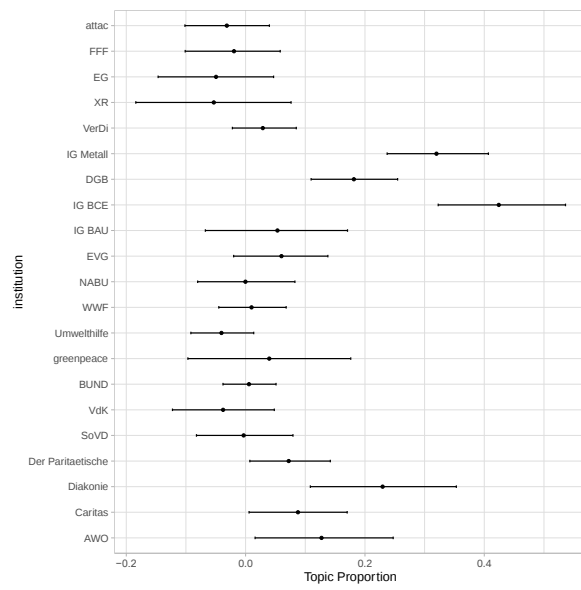


Fig. 9 STM with K=12, point estimation for topic 4, mean topic proportion by actor