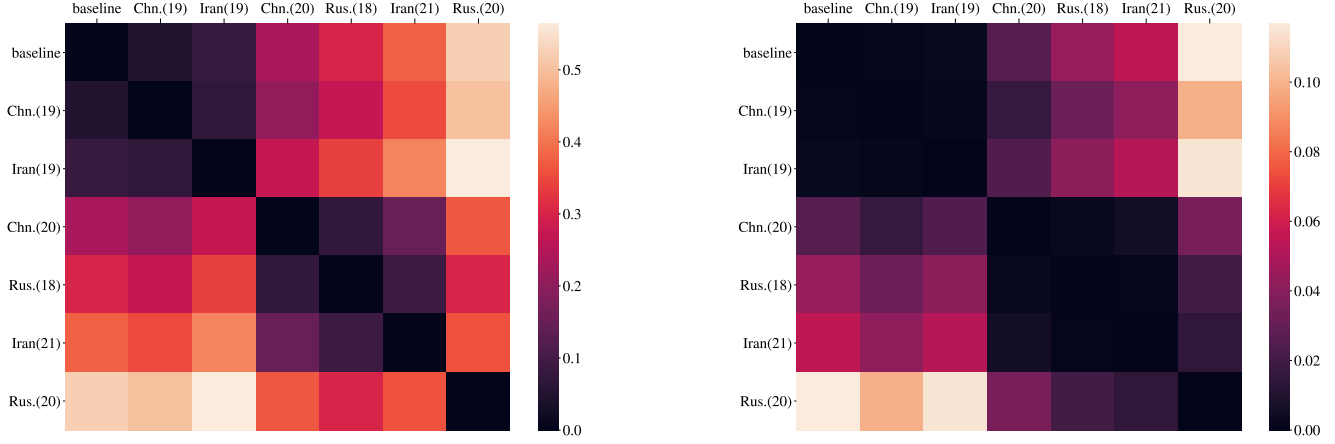


Supplementary Information

A Additional CDF distance metrics

Here we show additional metrics for the distance between campaigns shown in Figure 4F. We see that these demonstrate a similar pattern as the Wasserstein distance W_1 (area between CDFs) shown in 4f, though the mean squared distance demonstrates stronger clustering.



(a) Kolmogorov-Smirnov distance between each CDF in Figure 4e.

(b) Mean squared distance between each CDF in Figure 4e.

Figure 6. Additional distance metrics between co-URL distributions. All metrics consistently demonstrate the lagged adoption of co-URLs by Chinese and Iranian campaigns relative to Russian campaigns.

B Subtask F1(val/test) and AUC(test) for varying censorship thresholds

We show here individual results for F1(val), F1(test), and AUC(test). In the top two panels of each figure, we show the aggregated results of Figure 3, and in the lower six panels we show the subtask results from which these are computed (as the harmonic mean).

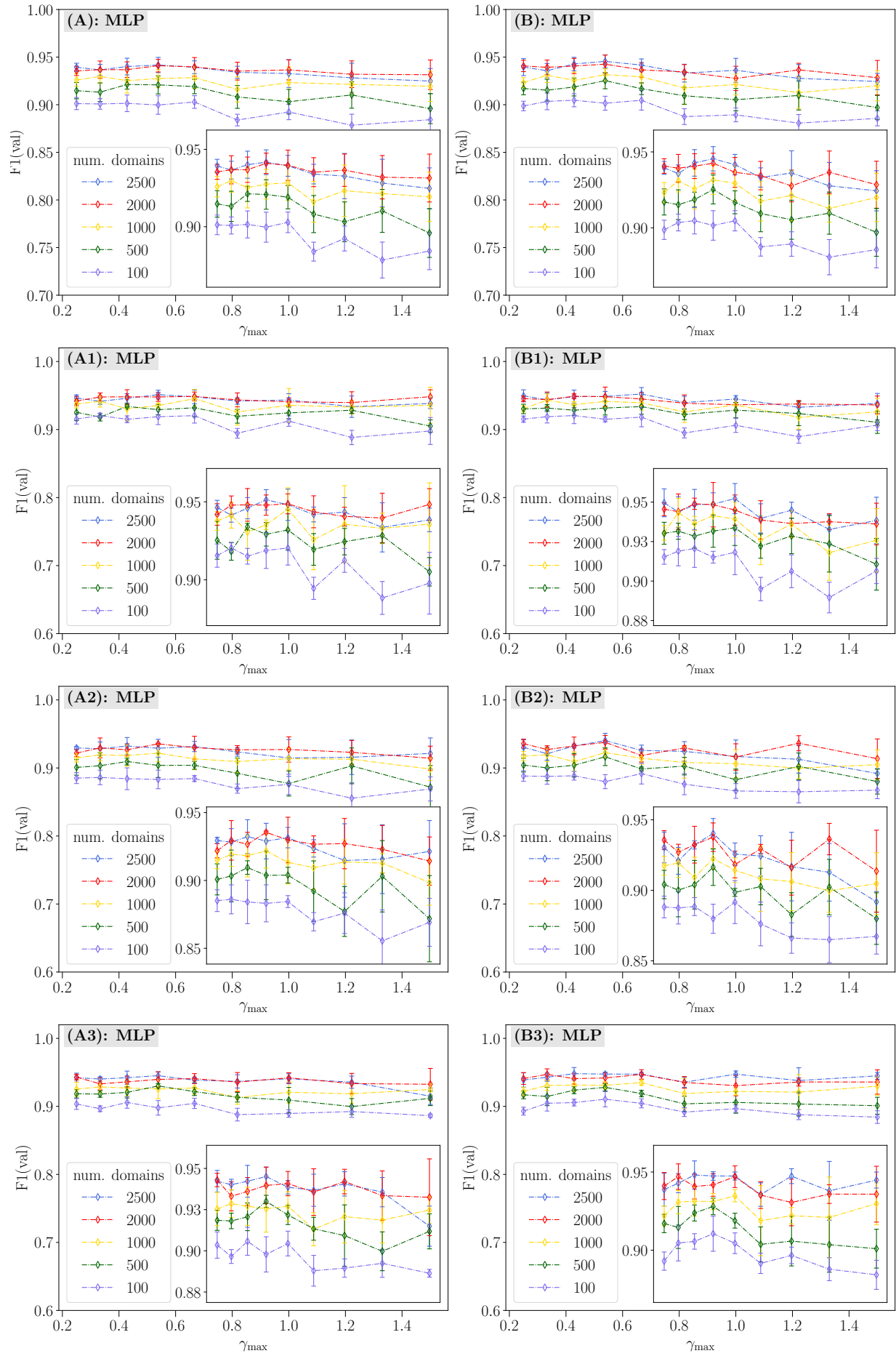


Figure 7. F1(val) for aggregated tasks (top two panels) and subtasks (bottom six panels). **Inset:** Series replotted with a rescaled y-axis.

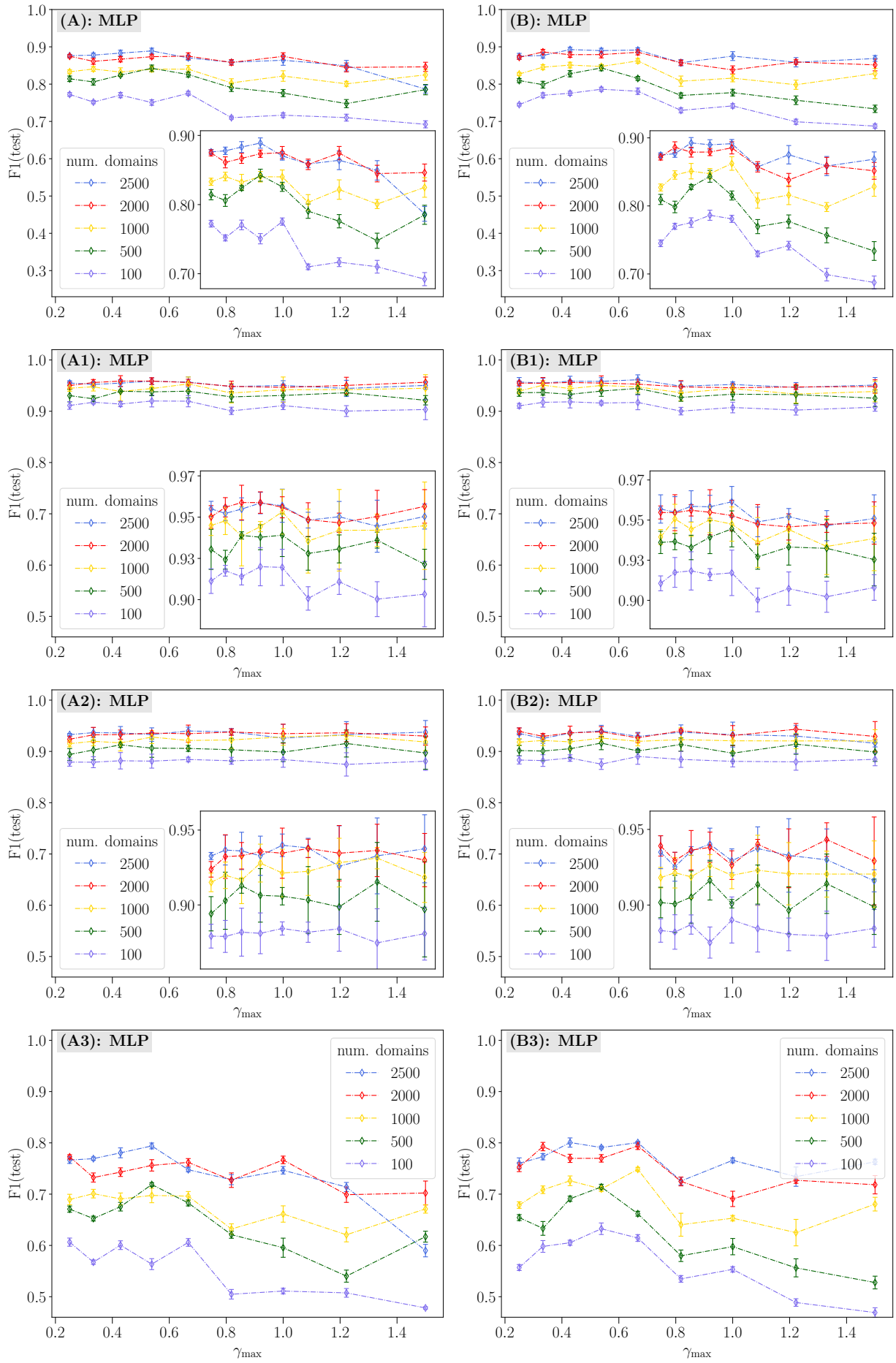


Figure 8. F1(test) for aggregated tasks (top two panels) and subtasks (bottom six panels). **Inset:** Series replotted with a rescaled y-axis.

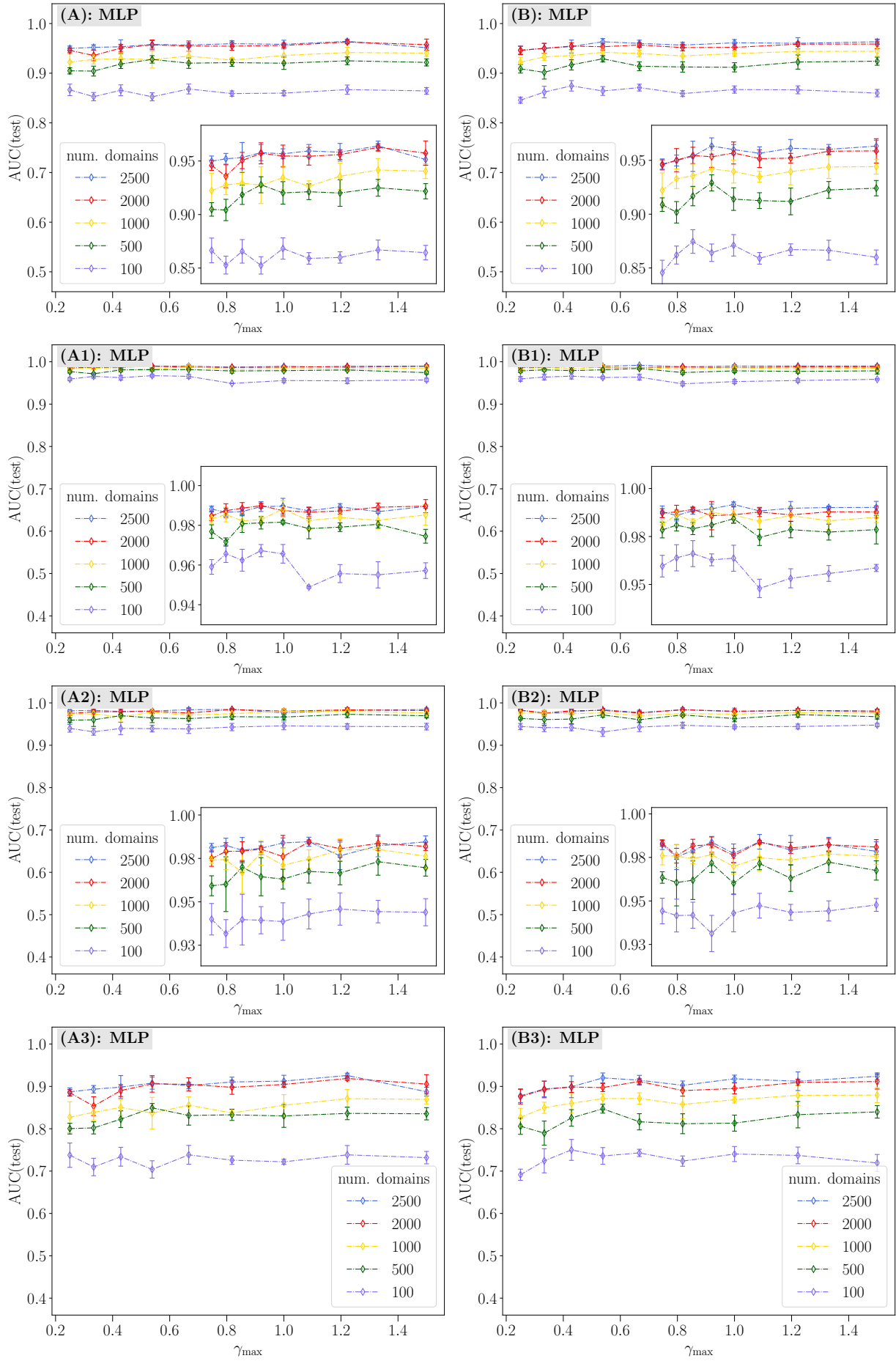


Figure 9. AUC(test) for aggregated tasks (top two panels) and subtasks (bottom six panels). **Inset:** Series replotted with a rescaled y -axis.

C Subtask level integrated gradients

In Table 3, we show the mean IG values over subtasks. Here we show explicit results for each of these subtasks. The subtask level results are largely consistent with the aggregated results, although attributions for individual features can vary by up to $\pm 20\%$ across subtasks.

(A1): Rus(18) $\rightarrow$ Rus(18) / Rus(20)

(B1): Chn(19) + Iran(19) $\rightarrow$ Rus(18) / Rus(20)

feature	IG(val.)	IG(test)	IG(base.)	feature	IG(val.)	IG(test)	IG(base.)
domains	9.44×10^{-2}	5.21×10^{-2}	4.61×10^{-1}	domains	9.79×10^{-2}	4.84×10^{-2}	4.78×10^{-1}
node2vec	1.54×10^{-1}	3.40×10^{-1}	1.98×10^{-1}	node2vec	1.51×10^{-1}	3.39×10^{-1}	2.09×10^{-1}
LE	8.87×10^{-5}	1.26×10^{-4}	4.16×10^{-5}	LE	1.04×10^{-4}	1.31×10^{-4}	4.93×10^{-5}
RWPE	7.44×10^{-2}	1.77×10^{-1}	3.23×10^{-1}	RWPE	7.26×10^{-2}	1.74×10^{-1}	3.44×10^{-1}
NF	6.43×10^{-1}	7.09×10^{-1}	8.11×10^{-1}	NF	5.85×10^{-1}	6.40×10^{-1}	8.18×10^{-1}
degree	3.55×10^{-1}	3.44×10^{-1}	2.66×10^{-1}	degree	3.54×10^{-1}	3.45×10^{-1}	2.81×10^{-1}
cluster. coef.	1.70×10^{-2}	2.56×10^{-2}	3.34×10^{-2}	cluster. coef.	4.64×10^{-3}	3.48×10^{-3}	9.27×10^{-3}
betweenness	1.58×10^{-2}	2.97×10^{-3}	7.28×10^{-2}	betweenness	9.28×10^{-3}	5.13×10^{-3}	8.90×10^{-2}
pagerank	1.32×10^{-1}	1.78×10^{-1}	3.44×10^{-1}	pagerank	1.19×10^{-1}	1.66×10^{-1}	3.70×10^{-1}
HITS	1.23×10^{-1}	1.58×10^{-1}	9.43×10^{-2}	HITS	9.81×10^{-2}	1.21×10^{-1}	6.91×10^{-2}

(A2): Chn(19) $\rightarrow$ Chn(19) / Chn(20)

(B2): Rus(18) + Iran(19) $\rightarrow$ Chn(19) / Chn(20)

feature	IG(val.)	IG(test)	IG(base.)	feature	IG(val.)	IG(test)	IG(base.)
domains	8.67×10^{-2}	1.23×10^{-2}	4.60×10^{-1}	domains	5.05×10^{-2}	1.38×10^{-2}	4.21×10^{-1}
node2vec	2.33×10^{-1}	2.76×10^{-1}	1.91×10^{-1}	node2vec	2.06×10^{-1}	3.13×10^{-1}	1.73×10^{-1}
LE	8.81×10^{-5}	2.71×10^{-4}	3.62×10^{-5}	LE	9.03×10^{-5}	3.42×10^{-4}	4.14×10^{-5}
RWPE	1.37×10^{-1}	2.97×10^{-1}	3.17×10^{-1}	RWPE	1.18×10^{-1}	3.05×10^{-1}	3.03×10^{-1}
NF	7.04×10^{-1}	7.74×10^{-1}	8.03×10^{-1}	NF	6.11×10^{-1}	8.58×10^{-1}	7.51×10^{-1}
degree	3.53×10^{-1}	2.45×10^{-1}	2.62×10^{-1}	degree	3.05×10^{-1}	2.78×10^{-1}	2.54×10^{-1}
cluster. coef.	6.56×10^{-3}	1.86×10^{-2}	6.04×10^{-3}	cluster. coef.	5.05×10^{-3}	1.36×10^{-2}	7.76×10^{-3}
betweenness	1.68×10^{-3}	3.41×10^{-2}	7.96×10^{-2}	betweenness	9.21×10^{-3}	4.90×10^{-2}	7.45×10^{-2}
pagerank	1.86×10^{-1}	2.73×10^{-1}	3.79×10^{-1}	pagerank	1.65×10^{-1}	3.09×10^{-1}	3.53×10^{-1}
HITS	1.57×10^{-1}	2.04×10^{-1}	7.74×10^{-2}	HITS	1.27×10^{-1}	2.09×10^{-1}	6.25×10^{-2}

(A3): Iran(19) $\rightarrow$ Iran(19) / Iran(21)

(B3): Chn(19) + Rus(18) $\rightarrow$ Iran(19) / Iran(21)

feature	IG(val.)	IG(test)	IG(base.)	feature	IG(val.)	IG(test)	IG(base.)
domains	9.86×10^{-2}	2.55×10^{-1}	4.34×10^{-1}	domains	8.67×10^{-2}	2.17×10^{-1}	4.51×10^{-1}
node2vec	2.47×10^{-1}	4.10×10^{-1}	1.71×10^{-1}	node2vec	2.25×10^{-1}	3.61×10^{-1}	1.97×10^{-1}
LE	1.09×10^{-4}	1.20×10^{-3}	3.98×10^{-5}	LE	1.05×10^{-4}	1.08×10^{-3}	4.88×10^{-5}
RWPE	1.44×10^{-1}	3.76×10^{-1}	3.00×10^{-1}	RWPE	1.55×10^{-1}	3.83×10^{-1}	3.33×10^{-1}
NF	7.54×10^{-1}	1.12×10^0	7.57×10^{-1}	NF	7.18×10^{-1}	1.01×10^0	7.83×10^{-1}
degree	3.79×10^{-1}	3.18×10^{-1}	2.52×10^{-1}	degree	3.33×10^{-1}	2.69×10^{-1}	2.60×10^{-1}
cluster. coef.	4.97×10^{-3}	2.32×10^{-3}	5.35×10^{-3}	cluster. coef.	5.06×10^{-3}	6.10×10^{-4}	4.63×10^{-3}
betweenness	9.96×10^{-3}	9.00×10^{-2}	8.25×10^{-2}	betweenness	7.53×10^{-3}	6.51×10^{-2}	7.88×10^{-2}
pagerank	2.06×10^{-1}	4.09×10^{-1}	3.57×10^{-1}	pagerank	1.91×10^{-1}	3.47×10^{-1}	3.58×10^{-1}
HITS	1.55×10^{-1}	2.97×10^{-1}	6.06×10^{-2}	HITS	1.81×10^{-1}	3.32×10^{-1}	8.14×10^{-2}

Table 4. IG values of individual subtasks.

D Integrated gradients by domain

Here we show the most significant domain level integrated gradients. We leave these values signed since they are largely consistent across data splits and subtasks. The signs do not necessarily indicate with certainty whether a feature was used to make a positive ($y = 1$) or negative ($y = 0$) prediction, though one expects a reasonable correspondence.

(A1): Rus(18) $\rightarrow$ Rus(18) / Rus(20)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
untappd.com	4.65×10^{-3}	inc.com	-8.51×10^{-3}	nytimes.com	-2.08×10^{-2}
senate.gov	3.80×10^{-3}	soundcloud.com	5.06×10^{-3}	abouthub.info	-1.30×10^{-2}
nbcnews.com	2.35×10^{-3}	yahoo.com	-2.82×10^{-3}	conta.cc	-1.08×10^{-2}
tumblr.com	-2.33×10^{-3}	nbcnews.com	1.81×10^{-3}	politico.com	-1.08×10^{-2}
pscp.tv	1.85×10^{-3}	senate.gov	1.60×10^{-3}	senate.gov	9.19×10^{-3}
washingtonexam[*].com	1.82×10^{-3}	espn.com	-1.58×10^{-3}	abcnews.com	-6.90×10^{-3}
foursquare.com	-1.77×10^{-3}	techcrunch.com	-1.52×10^{-3}	reddit.com	-6.53×10^{-3}
furnishhome.ru	-1.71×10^{-3}	change.org	1.47×10^{-3}	github.com	-6.22×10^{-3}
house.gov	-1.65×10^{-3}	ebay.com	-1.39×10^{-3}	mailchimp.com	-5.98×10^{-3}
wordpress.com	-1.55×10^{-3}	foursquare.com	-1.21×10^{-3}	wsj.com	-5.95×10^{-3}
washingtonpost.com	-1.53×10^{-3}	usatoday.com	-1.18×10^{-3}	wabcradio.com	-5.86×10^{-3}
yahoo.com	-1.53×10^{-3}	nationalreview.com	9.91×10^{-4}	instagram.com	-5.78×10^{-3}
flwrs.com	-1.34×10^{-3}	washingtonpost.com	-9.65×10^{-4}	hubs.ly	-5.59×10^{-3}
twittascope.com	1.32×10^{-3}	smotrim.ru	-9.56×10^{-4}	foxnews.com	-5.54×10^{-3}
rawstory.com	-1.28×10^{-3}	sba.gov	9.19×10^{-4}	msn.com	-5.39×10^{-3}

(A2): Chn(19) $\rightarrow$ Chn(19) / Chn(20)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
cnn.com	-2.88×10^{-3}	justunfollow.com	5.48×10^{-3}	nytimes.com	-2.08×10^{-2}
washingtonpost.com	-2.49×10^{-3}	etsy.com	-7.58×10^{-4}	abouthub.info	-1.30×10^{-2}
cdt.org	2.16×10^{-3}	tumblr.com	-5.40×10^{-4}	conta.cc	-1.08×10^{-2}
wordpress.com	-1.63×10^{-3}	yahoo.com	-4.56×10^{-4}	politico.com	-1.08×10^{-2}
wsj.com	-1.59×10^{-3}	cnn.com	-4.53×10^{-4}	senate.gov	9.19×10^{-3}
medium.com	-1.11×10^{-3}	foursquare.com	-3.83×10^{-4}	abcnews.com	-6.90×10^{-3}
bloomberg.com	9.32×10^{-4}	house.gov	-3.57×10^{-4}	reddit.com	-6.53×10^{-3}
eventbrite.com	-8.78×10^{-4}	medium.com	-3.50×10^{-4}	github.com	-6.22×10^{-3}
theconversation.com	7.66×10^{-4}	apnews.com	2.57×10^{-4}	mailchimp.com	-5.98×10^{-3}
yahoo.com	-7.61×10^{-4}	conservativej[*].com	2.54×10^{-4}	wsj.com	-5.95×10^{-3}
ap.org	7.39×10^{-4}	twittascope.com	2.25×10^{-4}	wabcradio.com	-5.86×10^{-3}
inewssource.org	6.83×10^{-4}	sba.gov	2.12×10^{-4}	instagram.com	-5.78×10^{-3}
www.gov.uk	-6.53×10^{-4}	theconversation.com	-1.62×10^{-4}	hubs.ly	-5.59×10^{-3}
mktw.net	-6.42×10^{-4}	wired.com	-1.36×10^{-4}	foxnews.com	-5.54×10^{-3}
sen.gov	-6.28×10^{-4}	github.com	-1.29×10^{-4}	msn.com	-5.39×10^{-3}

(A3): Iran(19) $\rightarrow$ Iran(19) / Iran(21)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
huffpost.com	-4.25×10^{-3}	untappd.com	2.41×10^{-2}	nytimes.com	-1.83×10^{-2}
foursquare.com	-3.89×10^{-3}	gofundme.com	1.87×10^{-2}	abouthub.info	-1.12×10^{-2}
medium.com	-3.68×10^{-3}	twittascope.com	-1.34×10^{-2}	politico.com	-1.00×10^{-2}
untappd.com	3.58×10^{-3}	bbc.co.uk	1.24×10^{-2}	conta.cc	-9.88×10^{-3}
cnn.com	-3.09×10^{-3}	wired.com	-9.16×10^{-3}	senate.gov	9.27×10^{-3}
senate.gov	2.82×10^{-3}	iheart.com	8.79×10^{-3}	abcnews.com	-6.67×10^{-3}
house.gov	-2.66×10^{-3}	npr.org	8.12×10^{-3}	reddit.com	-5.96×10^{-3}
etsy.com	-2.41×10^{-3}	senate.gov	7.63×10^{-3}	wsj.com	-5.94×10^{-3}
apple.news	-2.34×10^{-3}	washingtonexaminer.com	6.55×10^{-3}	github.com	-5.58×10^{-3}
economist.com	2.19×10^{-3}	house.gov	-6.23×10^{-3}	mailchimp.com	-5.53×10^{-3}
abouthub.info	-2.14×10^{-3}	justunfollow.com	6.04×10^{-3}	wabcradio.com	-5.32×10^{-3}
yahoo.com	-2.13×10^{-3}	wordpress.com	-5.87×10^{-3}	hubs.ly	-5.23×10^{-3}
amazon.com	-2.05×10^{-3}	tumblr.com	-5.75×10^{-3}	instagram.com	-5.16×10^{-3}
twittascope.com	-1.79×10^{-3}	economist.com	5.54×10^{-3}	foxnews.com	-5.10×10^{-3}
tumblr.com	-1.73×10^{-3}	bloomberg.com	5.01×10^{-3}	msn.com	-4.86×10^{-3}

(B1): Chn(19) + Iran(19) → Rus(18) / Rus(20)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
nbcnews.com	3.28×10^{-3}	inc.com	-7.94×10^{-3}	nytimes.com	-2.07×10^{-2}
tumblr.com	-2.85×10^{-3}	yahoo.com	-3.76×10^{-3}	abouthub.info	-1.22×10^{-2}
house.gov	-2.78×10^{-3}	nbcnews.com	2.32×10^{-3}	politico.com	-1.09×10^{-2}
senate.gov	2.50×10^{-3}	foursquare.com	-1.88×10^{-3}	conta.cc	-1.08×10^{-2}
pscp.tv	2.41×10^{-3}	soundcloud.com	1.69×10^{-3}	senate.gov	8.49×10^{-3}
foursquare.com	-2.16×10^{-3}	espn.com	-1.34×10^{-3}	abcnews.com	-7.85×10^{-3}
wordpress.com	-2.05×10^{-3}	usatoday.com	-1.16×10^{-3}	reddit.com	-6.85×10^{-3}
thehill.com	-2.01×10^{-3}	washingtonpost.com	-1.15×10^{-3}	mailchimp.com	-6.82×10^{-3}
washingtonpost.com	-1.95×10^{-3}	change.org	1.11×10^{-3}	wsj.com	-6.40×10^{-3}
furnishhome.ru	-1.84×10^{-3}	apnews.com	1.06×10^{-3}	github.com	-6.19×10^{-3}
bbc.co.uk	1.51×10^{-3}	house.gov	-1.05×10^{-3}	wabcradio.com	-6.12×10^{-3}
forbes.com	-1.44×10^{-3}	sba.gov	9.44×10^{-4}	hubs.ly	-5.82×10^{-3}
yahoo.com	-1.41×10^{-3}	senate.gov	9.17×10^{-4}	foxnews.com	-5.82×10^{-3}
bgldradio.net	-1.41×10^{-3}	pinterest.com	-8.24×10^{-4}	instagram.com	-5.75×10^{-3}
flwrs.com	-1.36×10^{-3}	huffpost.com	-7.92×10^{-4}	msn.com	-5.26×10^{-3}

(B2): Rus(18) + Iran(19) → Chn(19) / Chn(20)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
washingtonpost.com	-2.20×10^{-3}	justunfollow.com	6.73×10^{-3}	nytimes.com	-1.85×10^{-2}
cnn.com	-2.02×10^{-3}	tumblr.com	-6.54×10^{-4}	abouthub.info	-1.06×10^{-2}
twittascope.com	-1.56×10^{-3}	etsy.com	-5.16×10^{-4}	conta.cc	-1.04×10^{-2}
wordpress.com	-1.09×10^{-3}	yahoo.com	-5.03×10^{-4}	politico.com	-1.00×10^{-2}
senate.gov	1.04×10^{-3}	cnn.com	-4.89×10^{-4}	senate.gov	8.92×10^{-3}
cdt.org	9.19×10^{-4}	foursquare.com	-4.69×10^{-4}	abcnews.com	-7.24×10^{-3}
yahoo.com	-8.57×10^{-4}	house.gov	-3.58×10^{-4}	reddit.com	-6.16×10^{-3}
sen.gov	-8.55×10^{-4}	conservativej[*].com	3.32×10^{-4}	wsj.com	-5.92×10^{-3}
theconversation.com	8.21×10^{-4}	medium.com	-2.83×10^{-4}	mailchimp.com	-5.55×10^{-3}
medium.com	-7.94×10^{-4}	theconversation.com	-2.27×10^{-4}	wabcradio.com	-5.50×10^{-3}
epsomguardian.co.uk	7.85×10^{-4}	apnews.com	2.06×10^{-4}	hubs.ly	-5.48×10^{-3}
msn.com	-7.39×10^{-4}	github.com	-1.98×10^{-4}	instagram.com	-5.29×10^{-3}
bloomberg.com	7.12×10^{-4}	wired.com	-1.94×10^{-4}	foxnews.com	-5.28×10^{-3}
furnishhome.ru	-6.89×10^{-4}	sba.gov	1.66×10^{-4}	msn.com	-5.02×10^{-3}
inewssource.org	6.69×10^{-4}	cnsnews.com	-1.49×10^{-4}	github.com	-4.80×10^{-3}

(B3): Chn(19) + Rus(18) → Iran(19) / Iran(21)

domain	IG(val.)	domain	IG(test)	domain	IG(base.)
foursquare.com	-4.15×10^{-3}	gofundme.com	1.80×10^{-2}	nytimes.com	-1.95×10^{-2}
cnn.com	-3.91×10^{-3}	bbc.co.uk	1.28×10^{-2}	conta.cc	-1.12×10^{-2}
house.gov	-3.85×10^{-3}	twittascope.com	-9.93×10^{-3}	abouthub.info	-1.09×10^{-2}
medium.com	-3.66×10^{-3}	house.gov	-9.60×10^{-3}	politico.com	-1.04×10^{-2}
huffpost.com	-3.38×10^{-3}	iheart.com	7.84×10^{-3}	senate.gov	9.25×10^{-3}
senate.gov	2.67×10^{-3}	wordpress.com	-7.82×10^{-3}	abcnews.com	-7.66×10^{-3}
apple.news	-2.44×10^{-3}	npr.org	7.49×10^{-3}	reddit.com	-6.26×10^{-3}
amazon.com	-2.10×10^{-3}	cnn.com	-6.56×10^{-3}	wsj.com	-5.96×10^{-3}
greenlifestylech[*].com	1.84×10^{-3}	washingtonex[*].com	6.13×10^{-3}	github.com	-5.93×10^{-3}
tumblr.com	-1.70×10^{-3}	senate.gov	6.10×10^{-3}	mailchimp.com	-5.86×10^{-3}
usa.gov	-1.63×10^{-3}	justunfollow.com	5.54×10^{-3}	wabcradio.com	-5.82×10^{-3}
economist.com	1.62×10^{-3}	bloomberg.com	5.52×10^{-3}	instagram.com	-5.67×10^{-3}
theguardian.com	-1.51×10^{-3}	tumblr.com	-5.47×10^{-3}	foxnews.com	-5.65×10^{-3}
yahoo.com	-1.46×10^{-3}	wired.com	-5.17×10^{-3}	hubs.ly	-5.40×10^{-3}
conta.cc	-1.37×10^{-3}	economist.com	4.89×10^{-3}	msn.com	-5.10×10^{-3}

Table 5. IG values for individual domains in each trial and val, test, and baseline set. For long domain names, [*] denotes truncation.

E Frequent and Removed domains

Here we show the most frequent domains which are retained or censored in each dataset. We specifically show the result at the most stringent threshold $\gamma_{\max} = 0.4$ where MLP still demonstrates strong performance.

Baseline

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	770187	instagram.com	1464.24	twitter.com	1571276
instagram.com	283505	house.gov	511.7	youtube.com	211489
twittascope.com	91120	flwrs.com	477.48	facebook.com	106082
house.gov	68485	soundcloud.com	417.33	vine.co	25835
nytimes.com	58666	twittascope.com	415.91	ift.tt	22096
washingtonpost.com	37356	nytimes.com	380.88	google.com	17822
senate.gov	28874	foxnews.com	289.61	blogspot.com	16239
usa.gov	20972	espn.com	288.08	cnn.it	8579
theguardian.com	20216	washingtonpost.com	286.39	reuters.com	8203
huffpost.com	19937	pscp.tv	281.8	bbc.in	8193
wsj.com	19904	github.com	250.51	hill.cm	7066
foxnews.com	19632	www.gov.uk	240.47	fxn.ws	6111
tumblr.com	19555	wordpress.com	239.23	breitbart.com	5917
pinterest.com	19031	apple.com	236.77	chinanews.com	5753
bloomberg.com	18553	twitch.tv	220.57	telegraph.co.uk	5287
foursquare.com	18350	huffpost.com	219.8	twimg.com	5157
wordpress.com	17313	tumblr.com	217.38	vimeo.com	5028
soundcloud.com	17177	birdops.com	210.94	nypost.com	5007
flwrs.com	16862	snpy.tv	210.9	etsy.com	4062
apnews.com	16724	foursquare.com	207.91	dailycaller.com	4038
swarmapp.com	15441	amazon.com	206.87	kp.ru	3865
amazon.com	14282	theguardian.com	196.59	spoti.fi	3850
cnn.com	14275	bbc.co.uk	195.18	independent.co.uk	3839
pscp.tv	13428	atmlb.com	193.08	unfollowspy.com	3734
usatoday.com	12696	gofundme.com	181.99	t.me	3641
politico.com	12322	linkedin.com	175.83	vk.com	3636
thehill.com	12002	uapp.ly	171.29	livejournal.com	3621
medium.com	11073	curiouscat.me	169.83	bbc.com	3406
etsy.com	9797	pinterest.com	166.41	spotify.com	3340
bbc.co.uk	9624	buzzfeed.com	165.26	dailymail.co.uk	3222
npr.org	9299	usa.gov	164.36	newsweek.com	3189
forbes.com	8892	conta.cc	160.76	ruposters.ru	3170
cnbc.com	8800	senate.gov	159.12	rusnovosti.ru	3147
linkedin.com	8664	medium.com	157.13	periodismodeportivo[*].com	3121
apple.com	8524	eventbrite.com	150.9	twitpic.com	3070
github.com	8477	ble.ac	143.32	regnum.ru	2855
ebay.com	8190	wsj.com	143.09	smarturl.it	2812
eventbrite.com	8082	cnn.com	139.38	lat.ms	2597
crowdfireapp.com	8039	hudl.com	133.94	cbsloc.al	2577
untappd.com	8009	politico.com	128.7	rbc.ru	2425
iacr.org	7715	usatoday.com	126.92	dld.bz	2423
yahoo.com	6787	forbes.com	126.03	yfrog.com	2344
latimes.com	6756	iacr.org	122.46	washex.am	2300
conta.cc	6554	crowdfireapp.com	122.11	read.bi	2197
cbsnews.com	6546	thehill.com	121.6	soompi.com	2192
buzzfeed.com	6486	change.org	121.29	chicagotribune.com	2182
apple.news	6427	untappd.com	121.19	washingtontimes.com	2177
www.gov.uk	6349	nfl.com	117.88	theblaze.com	2176
time.com	5862	npr.org	114.22	mash.to	2031
abouthub.info	5761	abcnews.com	114.22	conscores.org	2010
vox.com	5596	apple.news	109.49	miamiherald.com	2002
flipit.com	5560	bible.com	109.38	sfgate.com	1895

Russia (2018)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	101869	instagram.com	501.11	livejournal.com	617933
instagram.com	27361	cnn.com	481.74	riafan.ru	452984
washingtonpost.com	16305	wikipedia.org	263.78	twitter.com	285859
foxnews.com	12065	oprf.ru	257.69	ria.ru	166088
nytimes.com	6143	sdelanounas.ru	216.52	yandex.ru	152580
usatoday.com	4831	swarmapp.com	180.14	gazeta.ru	129518
huffpost.com	4520	dni.ru	137.09	youtube.com	122115
theguardian.com	4220	nytimes.com	118.84	rt.com	84782
wordpress.com	3965	rvns.co	108.87	ift.tt	64237
tumblr.com	3242	ukraina.ru	99.21	nevnov.ru	63584
soundcloud.com	3190	tumblr.com	98.1	vesti.ru	52729
politico.com	2769	iz.ru	84.76	kievsmi.net	50567
cnn.com	2529	crowdfireapp.com	57.37	vk.com	45196
apnews.com	2315	theguardian.com	56.06	kiev-news.com	44616
wsj.com	2306	wordpress.com	54.68	inforeactor.ru	39339
rawstory.com	1892	huffpost.com	53.88	championat.com	35713
bloomberg.com	1867	whitehouse.gov	48.24	lenta.ru	34658
thehill.com	1805	apple.com	47.39	tass.ru	33355
pscp.tv	1634	change.org	46.88	emaidan.com.ua	33270
washingtonexaminer.com	1589	snpy.tv	44.71	vine.co	25509
abcnews.com	1563	soundcloud.com	43.95	vk.cc	23394
wikipedia.org	1504	washingtonpost.com	42.22	lifenews.ru	23009
amazon.com	1432	sky.com	40.49	rbc.ru	22143
buzzfeed.com	1391	foxnews.com	39.41	podrobnosti.biz	21969
nbcnews.to	1384	afp.com	39.19	nahnews.com.ua	21049
freebeacon.com	1321	bbc.co.uk	39.09	izvestia.ru	20644
townhall.com	1285	wsj.com	38.62	fontanka.ru	20545
time.com	1264	golos-dnr.ru	35.71	e1.ru	20142
swarmapp.com	1218	amazon.com	32.78	exerciseworkout.pw	17285
yahoo.com	1185	usatoday.com	29.25	mr-7.ru	17228
medium.com	1057	rusnext.ru	27.76	losefattips.pw	16805
apple.com	1009	salon.com	23.24	facebook.com	16364
cbsnews.com	991	espn.com	22.94	breitbart.com	16292
vice.com	979	pscp.tv	22.73	twib.in	16089
latimes.com	882	msn.com	22.29	cbslocal.com	15810
nationalreview.com	830	rawstory.com	21.05	om1.ru	15372
snpy.tv	782	nbcnews.to	20.51	prokazan.ru	14887
dailywire.com	745	vice.com	18.93	inosmi.ru	14757
motherjones.com	679	sumall.com	18.38	msk.ru	14590
npr.org	672	politico.com	18.36	ksnt.com	14572
shareaholic.com	671	buzzfeed.com	18.19	dailym.ai	14435
usa.gov	663	bloomberg.com	18.17	tvrain.ru	14293
sdelanounas.ru	647	time.com	17.77	161.ru	13696
msnbc.com	626	iheart.com	17.55	newsnn.ru	13608
slate.me	608	freebeacon.com	17.09	trkterra.ru	13468
apple.news	604	apnews.com	16.67	meduza.io	13455
bbc.co.uk	593	uapp.ly	16.66	sport-express.ru	13349
redstate.com	589	healthcare.gov	16.47	74.ru	13024
thedailybeast.com	586	businessinsider.com	15.61	burnfat.pw	12865
lifenews.com	575	aka.ms	15.27	exerciseworkout.pw	12396
twittascope.com	549	economist.com	15.03	newinform.com	12350
cnn.com	541	atmlb.com	14.67	losefat.pw	11831

China (2019)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	131091	instagram.com	110.62	twitter.com	526189
instagram.com	17516	forbes.com	101.06	dld.bz	195629
nytimes.com	8756	wsj.com	83.31	youtube.com	137703
tumblr.com	6757	nba.com	74.34	feedburner.com	115155
soundcloud.com	5850	pscp.tv	57.7	miss50percent.de	107453
bbc.co.uk	3153	twitch.tv	49.74	happymuslimfamily.net	62821
uapp.ly	2514	tumblr.com	45.29	ift.tt	52636
wordpress.com	1902	uapp.ly	43.4	blogspot.com	43738
forbes.com	1824	nytimes.com	42.68	tandl.me	43348
etsy.com	1720	curiouscat.me	39.99	telkomsel.com	19472
latimes.com	1598	time.com	39.77	mychinanews.com	19221
pscp.tv	1486	soundcloud.com	34.44	google.com	19212
amazon.com	1205	natgeo.com	34.39	favstar.fm	18991
huffpost.com	1109	apple.com	33.13	tsel.me	18721
espn.com	1044	amazon.com	30.43	iphonehacks.com	18097
twitch.tv	990	app.link	27.99	facebook.com	18028
flwrs.com	906	scmp.com	25.93	hampersbylucy.co.uk	16229
apple.com	878	reddit.com	25.87	entrepreneur.com	15844
wsj.com	848	wordpress.com	23.63	glentretenimento.com	15543
cnn.com	818	amazonaws.com	23.25	bbc.in	12567
crowdfireapp.com	741	bbc.co.uk	22.29	kom.ps	12233
foursquare.com	666	flwrs.com	20.95	tistory.com	11974
tcn.ch	656	foodandwine.com	20.42	rol.co.id	11776
foxnews.com	617	crowdfireapp.com	19.81	curiosidadeinformacao.com	11416
datpiff.com	605	variety.com	18.58	chinanews.com	11414
yahoo.com	569	onlyfans.com	18.12	feedsportal.com	11266
theguardian.com	539	cnn.com	17.64	blingbling.guru	11177
engadget.com	532	yahoo.com	17.48	na-ss.com	10750
curiouscat.me	523	justunfollow.com	17.4	ask.fm	10293
gigam.es	492	ew.com	16.95	twitpic.com	10112
feedly.com	398	pinterest.com	16.09	herokuapp.com	9163
twittascope.com	396	politico.com	15.68	seocheckout.com	9084
washingtonpost.com	383	younow.com	15.43	cgtn.com	9033
typepad.com	379	flickr.com	15.26	okezone.com	8969
swarmapp.com	345	linkfire.com	14.85	noticiasboa.com	8420
justunfollow.com	338	espn.com	14.37	mejorsaludybelleza.com	8304
pinterest.com	328	fiverr.com	14.09	ithome.com	7987
pulse.me	327	etsy.com	13.74	osversos.com	7909
military.com	297	theguardian.com	13.05	nicovideo.jp	7254
mashable.com	290	cbsnews.com	12.99	antonioarzola.net	7057
linkedin.com	287	shareaholic.com	12.79	thingstodoinleicester.com	6607
flickr.com	274	cntraveler.com	12.54	segurosdecochebaratos101.com	6354
nba.com	262	foursquare.com	12.32	top-domains.ch	6167
patch.com	257	facebook.com	12.06	sinaimg.cn	5917
bloomberg.com	246	medium.com	11.75	sina.com.cn	5664
microsoft.com	233	ebay.com	11.33	dleconcepts.com	5513
natgeo.com	226	nbcsports.com	10.98	envoque.news	5374
justgiving.com	224	eonline.com	10.71	aplitrak.com	4638
usatoday.com	224	bleacherreport.com	10.7	ecns.cn	4533
usa.gov	212	pagesix.com	10.48	roundteam.co	4498
foodandwine.com	205	theglobeandmail.com	10.46	tmi.me	4495
thinkprogress.org	197	washingtonpost.com	10.44	tuguchis.mx	4384

Iran (2019)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	511760	instagram.com	242.26	awdnews.com	332374
instagram.com	13943	theguardian.com	184.91	twitter.com	241386
theguardian.com	2506	pscp.tv	158.72	irib.ir	217793
amazon.com	1980	amazon.com	97.03	parstoday.com	153488
nytimes.com	1977	mirror.co.uk	95.83	tel-avivtimes.com	143601
wordpress.com	1768	reddit.com	92.89	countdown2040.com	139262
huffpost.com	1602	soundcloud.com	87.84	nilenetonline.com	113892
bbc.co.uk	1368	huffpost.com	75.28	youtube.com	97822
reddit.com	1223	wikipedia.org	73.22	sahartv.ir	68003
pscp.tv	1221	nytimes.com	73.2	ift.tt	61936
washingtonpost.com	1155	wordpress.com	72.01	whatsupic.com	56026
cnn.com	1140	ebay.com	68.85	hugedomains.com	53051
bloomberg.com	1077	bbc.co.uk	67.95	7sabah.com	40922
flwrs.com	909	cnn.com	57.24	blogspot.com	37202
npr.org	883	change.org	53.08	iuvmpress.com	37175
pinterest.com	863	bloomberg.com	50.72	7sabah.com.tr	36348
ebay.com	826	washingtonpost.com	47.99	facebook.com	31935
soundcloud.com	824	flwrs.com	47.48	rt.com	30039
cnn.com	673	pinterest.com	45.27	libertyfrontpress.com	26177
rawstory.com	570	swarmapp.com	44.21	al-hadath24.com	25096
yahoo.com	508	medium.com	43.87	beritadunia.net	24965
mirror.co.uk	483	npr.org	43.29	realnienovosti.com	24529
oregonlive.com	470	oregonlive.com	41.59	hindkhabar.in	23440
politico.com	459	rawstory.com	38.14	sachtimes.com	23102
etsy.com	448	buffer.com	37.78	alwaght.com	18792
usatoday.com	411	altnews.in	37.41	whatthebeep.in	16635
change.org	404	etsy.com	36.85	islamtimes.org	15430
forbes.com	373	yahoo.com	34.42	iuvmonline.com	15004
medium.com	332	wef.ch	33.9	alwasatnews.com	14972
apple.com	327	metro.co.uk	33.5	jordan-times.com	14943
wikipedia.org	326	apnews.com	33.33	hindkhabar.com	12604
wsj.com	324	afp.com	28.55	hourriya-tagheer.org	12354
salon.com	297	ebay.to	26.87	theroot.com	12111
vice.com	296	cnn.com	25.59	qudspal.com	11930
economist.com	293	sky.com	25.35	documentinterdit.com	11816
ebay.to	263	sumall.com	25.23	nthnews.net	11690
apnews.com	254	politico.com	24.88	ptv.io	11540
tumblr.com	252	cpix.me	24.49	telegram.me	8909
thinkprogress.org	231	theintercept.com	24.15	jamnews.ir	8302
sky.com	231	thehill.com	23.77	yedinot.com	8167
vox.com	228	salon.com	23.67	al-saudia.net	8143
foxnews.com	228	huffingtonpost.co.uk	22.06	alwaienews.net	7902
thehill.com	222	apple.com	21.29	wilayat.in	6908
nbcnews.com	218	google.co.uk	20.12	tahreerparty.net	5955
scientificamerican.com	217	thetimes.co.uk	20.04	reportaseislam.com	5842
time.com	212	ynetnews.com	19.95	alkawthartv.com	5535
cbsnews.com	209	economist.com	19.44	realiran.org	5504
ft.com	208	scientificamerican.com	19.31	toonsonline.net	5195
talkingpointsmemo.com	200	thinkprogress.org	19.15	pakonlinenews.com	5176
go.com	199	go.com	18.68	isna.ir	5084
abcnews.com	195	irishtimes.com	18.54	presstv.ir	4709
businessinsider.com	188	vice.com	18.42	mdn.tv	4638

Russia (2020)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	33522	iz.ru	293.69	lenta.ru	213528
instagram.com	22190	dni.ru	193.44	yandex.ru	176599
foursquare.com	7586	instagram.com	144.6	rambler.ru	72433
swarmapp.com	2104	quora.com	126.54	newkaliningrad.ru	62448
furnishhome.ru	1151	thenextweb.com	115.03	161.ru	42756
iz.ru	615	furnishhome.ru	107.5	profile.ru	41755
dni.ru	552	foursquare.com	78.0	ufa1.ru	39093
ft.com	532	change.org	61.06	76.ru	37515
crowdfireapp.com	521	anekdot.ru	57.35	vk.cc	29395
tumblr.com	518	apple.com	30.15	ngs24.ru	28842
nytimes.com	467	diletant.media	29.41	twitter.com	25478
wsj.com	405	tumblr.com	22.09	29.ru	24533
sdelanounas.ru	373	finanz.ru	19.72	ngs55.ru	23252
wordpress.com	365	pscp.tv	18.61	youtube.com	22823
change.org	329	wordpress.com	18.02	ali.pub	18388
sumall.com	252	wikipedia.org	16.82	livejournal.com	17377
theguardian.com	236	buzzfeed.com	15.44	er.ru	15853
linkedin.com	227	medium.com	14.77	dropi.ru	15011
apple.com	206	crowdfireapp.com	14.53	45.ru	10915
medium.com	203	smotrim.ru	14.33	mos.ru	10406
washingtonpost.com	197	sdelanounas.ru	12.61	facebook.com	9954
wikipedia.org	181	forbes.com	10.57	ria.ru	9256
csmonitor.com	173	oprfr.ru	10.12	kinopoisk.ru	9084
izhgpk.ru	169	swarmapp.com	9.91	valdaiclub.com	8720
soundcloud.com	164	strana.ua	9.71	life.ru	6978
forbes.com	155	flickr.com	9.3	filmz.ru	5855
flwrs.com	149	elle.com	8.54	vk.com	5114
newsomsk.ru	134	linkfire.com	8.28	tass.ru	5108
huffpost.com	122	ukraina.ru	7.66	mail.ru	5054
gizmodo.com	101	ustream.tv	7.21	gazeta.ru	4298
thenextweb.com	88	bbc.co.uk	7.02	t.me	3579
nike.com	87	nasa.gov	6.94	auto.ru	3413
awe.sm	74	brave.com	6.71	rt.com	3384
bloomberg.com	72	natgeo.com	6.7	onedio.ru	3357
bbc.co.uk	71	reddit.com	6.33	onf.ru	2539
pscp.tv	71	awe.sm	6.27	orientalreview.org	2443
cnn.com	56	izhgpk.ru	5.15	openreporter.ru	2347
thinkprogress.org	54	socialmediatoday.com	5.12	kp.ru	2287
ustream.tv	53	gotowebinar.com	4.96	championat.com	2230
anekdot.ru	52	military.com	4.57	twitpic.com	2210
time.com	51	flipit.com	4.54	regnum.ru	2136
diletant.media	45	tcn.ch	4.47	ridus.ru	2120
thedi diplomat.com	42	rollingstone.com	4.38	sports.ru	2081
foreignpolicy.com	41	nytimes.com	4.37	antimaidan.ru	2081
motherjones.com	40	esquire.com	4.19	n1.ru	2080
whitehouse.gov	39	nike.com	4.08	rbc.ru	1973
valuemytweets.com	36	shareaholic.com	3.73	interfax.ru	1968
oprfr.ru	36	slideshare.net	3.68	lifenews.ru	1947
buzzfeed.com	35	whitehouse.gov	3.64	ihodl.com	1945
theverge.com	35	facebook.com	3.6	izvestia.ru	1860
quora.com	34	wsj.com	3.56	bbratstvo.com	1840
thehill.com	33	sumall.com	3.48	uwidata.com	1705

China (2020)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	1693	axios.com	164.41	youtube.com	8148
axios.com	231	linkfire.com	29.84	twitter.com	1130
medium.com	36	adobe.com	14.58	creaders.net	829
pscp.tv	31	bloomberg.com	13.46	temaretik.com	669
bloomberg.com	30	wordpress.com	10.48	rapradar.com	503
cnn.com	26	weebly.com	10.32	pansci.asia	348
nytimes.com	24	medium.com	10.03	dwnews.com	263
amazon.com	21	amazon.com	9.86	russian7.ru	262
foxnews.com	18	pscp.tv	9.31	creu.ru	249
linkfire.com	17	people.com	6.79	femmie.ru	248
instagram.com	13	fiverr.com	6.69	yandex.ru	235
theguardian.com	10	onlyfans.com	6.6	temadnya.com	188
washingtonpost.com	10	diletant.media	6.2	mychinanews.com	184
cbsnews.com	10	change.org	5.69	facebook.com	149
weebly.com	9	app.link	5.51	cyrillitsa.ru	146
wordpress.com	9	apple.com	5.43	russian7.ru	140
nu.nl	9	yahoo.com	5.35	back-in-ussr.com	138
time.com	9	nike.com	5.27	bbc.com	131
usatoday.com	9	nytimes.com	5.2	chinanews.com	122
lasvegassun.com	7	wsj.com	4.07	vseonauke.com	112
yahoo.com	7	bbc.co.uk	4.06	lifelacker.ru	107
wsj.com	6	cc.com	4.04	kulturologia.ru	102
apple.com	5	washingtonpost.com	3.96	targetplay.ru	101
economist.com	5	standard.co.uk	3.81	dnpmag.com	99
app.link	5	swarmapp.com	3.67	cgtn.com	97
bbc.co.uk	5	buzzfeednews.com	3.66	interesnosti.com	92
swarmapp.com	4	viewbug.com	3.42	p2pb2b.io	90
change.org	4	fanlink.to	3.27	discuss.com.hk	85
katu.com	4	time.com	3.08	pics.ru	79
rfa.org	4	instagram.com	3.03	novate.ru	79
broadway.com	4	anchor.fm	2.91	mistika.xyz	77
natgeo.com	3	tumblr.com	2.88	sci-hit.com	70
tumblr.com	3	natgeo.com	2.86	greatpicture.ru	66
adobe.com	3	theguardian.com	2.36	blogspot.com	64
quora.com	3	uscis.gov	2.35	grammy-s.ru	59
google.com	3	pandora.com	2.28	trendymen.ru	58
insider.com	3	cnn.com	2.1	omode.info	51
soundcloud.com	3	justice.gov	2.06	ift.tt	51
variety.com	3	foxnews.com	2.03	bet535casinoonline.com	49
nikkei.com	2	cnet.com	1.94	kzg.io	47
diletant.media	2	lasvegassun.com	1.82	snatchnews.com	46
wistia.com	2	soundcloud.com	1.81	disq.us	45
obama.org	2	variety.com	1.62	globaltimes.cn	44
mediamatters.org	2	pbs.org	1.47	bonus.express	40
meetedgar.com	2	eonline.com	1.32	klikabol.com	40
marvel.com	2	foreignpolicy.com	1.25	cluber.com.ua	38
sns.mx	2	cbsnews.com	1.2	everve.net	38
people.com	2	apnews.com	1.12	mirvokrugnas.com	37
petapixel.com	2	quora.com	1.02	adme.ru	35
eonline.com	2	usatoday.com	0.81	tothemoon.game	34
forbes.com	2	economist.com	0.59	promoidom.com	33
fiverr.com	2	etsy.com	0.49	medpravila.com	32

Iran (2021)

indicator	counts	indicator	tf-idf	censored ($\gamma_{\max}=0.4$)	counts
UNCOMMON	1338	nytimes.com	19.49	htv.mx	98259
nytimes.com	373	wsj.com	18.16	hispan.tv.com	43193
cbsnews.com	213	instagram.com	10.53	youtube.com	35874
theguardian.com	208	theguardian.com	9.81	twitter.com	4918
wsj.com	203	rawstory.com	9.2	hispan.tv.ir	1312
washingtonpost.com	186	whitehouse.gov	7.52	bing.com	451
cnn.com	186	pscp.tv	7.21	facebook.com	430
instagram.com	171	cnn.com	6.01	beritadunia.net	344
rawstory.com	148	usatoday.com	5.79	thatsmags.com	334
pscp.tv	111	washingtonpost.com	5.07	cnn.it	288
thehill.com	97	forbes.com	4.12	bc.game	284
politico.com	76	thehill.com	4.07	thealtworld.com	272
businessinsider.com	69	dailywire.com	3.98	balkanspost.com	263
huffpost.com	64	theverge.com	3.62	ahtribune.com	203
foxnews.com	59	flipit.com	3.61	peek.link	180
nbcnews.com	55	msn.com	3.44	tiredearth.com	161
usatoday.com	53	theconversation.com	3.25	kitco.com	152
thedailybeast.com	52	latimes.com	3.18	cryptoglobe.com	144
msn.com	45	businessinsider.com	3.15	cointelegraph.com	125
forbes.com	44	mediaite.com	3.1	bbc.com	103
economist.com	39	politico.com	3.02	reuters.com	102
time.com	35	change.org	2.98	hispan.tv.net	99
yahoo.com	33	abcnews.com	2.89	newsweek.com	89
grahamcluley.com	31	nbcnews.com	2.82	caitlinjohnstone.com	89
abcnews.com	30	cbsnews.com	2.8	independent.co.uk	86
npr.org	28	wordpress.com	2.76	hill.cm	84
vox.com	27	sfchronicle.com	2.63	liputan6.com	78
cnbc.com	26	thepetitionsite.com	2.38	paulcraigroberts.org	78
axios.com	26	soundcloud.com	2.19	farsnews.ir	76
clevelandclinic.com	26	theweek.com	2.06	blabber.buzz	73
apnews.com	26	amazon.com	2.0	whatsapp.com	59
msnbc.com	24	sky.com	1.91	detik.com	54
latimes.com	23	substack.com	1.9	nu.or.id	50
hillreporter.com	23	variety.com	1.9	digitalfinancenews.com	49
slate.com	22	oregonlive.com	1.89	aljazeera.com	49
change.org	21	axios.com	1.87	rt.com	43
bloomberg.com	20	thedailybeast.com	1.85	google.com	42
theatlantic.com	20	realclearpolitics.com	1.82	oal.lu	41
medium.com	18	huffpost.com	1.82	ift.tt	41
salon.com	18	theatlantic.com	1.69	sindonews.com	40
mediaite.com	17	time.com	1.58	altcoinss.com	40
motherjones.com	16	apnews.com	1.57	t.me	40
dailykos.com	16	foxnews.com	1.54	politicususa.com	40
theweek.com	15	go.com	1.5	haaretz.com	40
thenationalpulse.com	15	yahoo.com	1.4	tradermeetscoder.com	39
petrescuereport.com	14	cnbc.com	1.39	bracingviews.com	39
whitehouse.gov	13	moveon.org	1.09	hrw.org	39
sky.com	13	ca.gov	1.08	dailymail.co.uk	35
go.com	12	vox.com	1.08	fair.org	34
actblue.com	12	msnbc.com	1.08	daysofpalestine.com	30
ft.com	12	medium.com	1.07	theblaze.com	27
newyorker.com	11	salon.com	1.05	ibtimes.com	27