Speaking of civilians: Automated text analysis of the United Nations' framing of complex humanitarian emergencies

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1. Sampling

Table AI. Included countries and years bases on the sampling criterion. Data on civilian casualties taken from UCDP. Years with fewer than 50 civilian casualties were included if they are both preceded and followed by a year meeting the outlined threshold criterion. For the country ISO abbreviation, see Table AII.

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Sum
AFG	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
AGO	X	X	X	X	X	X	X	X	X	X	X	X	X	X																	14
AZE			X	X																											2
BDI						X	X	X	X	X	X	X	X	X	X	X	X									X	X	X	X	X	17
BFA																													X	X	2
BGD		X	X																												2
BIH			X	X	X	X																									4
CAF																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	14
CHN																			X												1
CIV											X	X	X	X	X							X									6
CMR					X																				X	X	X	X	X	X	7
COD	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
COG				X				X	X	X																					4
COL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X											X		19
EGY						X	X	X								X										X	X	X	X	X	9
ERI										X																					1
ETH	X	X												X	X	X	X	X					X			X	X	X	X	X	13
GEO				X		X													X												3
GTM	X	X	X	X	X	X																									6
HRV				X		X																									2
IDN	X	X							X	X	X	X	X	X	X																9
IND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
IRN					X																									X	2
IRQ		X	X	X	X	X	X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	23
ISR					X	X	X					X	X	X	X	X	X	X	X	X			X	X	X						15
KEN																		X	X					X	X	X	X	X			7
LBN	X						X										X						X	X							5
LBY																						X			X	X	X	X	X	X	7
LKA	X	X	X	X	X	X	X	X	X	X	X						X	X	X	X										X	16
LBR	X	X	X	X	X	X	X			X	X	X	X	X																	12
MEX																					X	X									2
MLI	X	X	X		X																			X			X	X	X	X	9
MMR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X			X	X	X	X	X	25
MOZ	X	X	X																										X	X	5
NER	X								X																	X			X	X	5
NGA	X				X					X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	20
PAK									X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	20
PER	X	X	X	X	X																										5
PHL	X	X									X	X	X	X	X			X	X	X	X	X				X	X	X	X	X	17
RUS					X	X	X			X	X	X	X	X	X	X						X									11
RWA	X	X	X	X	X	X	X	X	X																						9
SDN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
SEN			X	X				X	X																						4
SOM	X	X	X	X	X	X	X			X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	24
SRB		X	X						X	X																					4
SSD																							X	X	X	X	X	X	X	X	8
SYR																						X	X	X	X	X	X	X	X	X	9
TCD			X	X	X				X							X	X	X								X					8
THA															X	X	X	X	X	X	X	X	X	X							10
TUR	X	X	X	X	X	X																X				X	X	X			10
UGA	X	X				X	X	X	X	X	X	X	X	X	X	X	X					X									15
UKR																									X	X	X	X	X		5
YEM						X																X			X	X	X	X	X	X	8
ZAF	X	X	X	X	X																										5
Sum	23	24	24	24	24	22	18	14	18	19	18	18	17	19	18	15	17	17	17	13	13	19	15	16	18	24	23	23	25	25	

Table AII. Country ISO abbreviations.

Abb.	Country name
AFG	Afghanistan
AGO	Angola
AZE	Azerbaijan
BDI	Burundi
BFA	Burkina Faso
BGD	Bangladesh
BIH	Bosnia-Herzegovina
CAF	Central African Republic
CHN	China
CMR	Cameroon

Abb.	Country name
LBR	Liberia
LBY	Libya
LKA	Sri Lanka
MEX	Mexico
MLI	Mali
MMR	Myanmar
MOZ	Mozambique
NER	Niger
NIG	Nigeria
PAK	Pakistan

CIV	Côte d'Ivoire	**PER**	Peru
COD	Democratic Republic of the Congo	**PHL**	Philippines
COG	Republic of Congo	**RUS**	Russia
COL	Colombia	**RWA**	Rwanda
EGY	Egypt	**SEN**	Senegal
ERI	Eritrea	**SDN**	Sudan
ETH	Ethiopia	**SOM**	Somalia
GEO	Georgia	**SRB**	Serbia
GTM	Guatemala	**SSD**	South Sudan
HRV	Croatia	**SYR**	Syria
IDN	Indonesia	**TCD**	Chad
IND	India	**THA**	Thailand
IRN	Iran	**TUR**	Turkey
IRQ	Iraq	**UGA**	Uganda
ISR	Israel	**UKR**	Ukraine
KEN	Kenya	**YEM**	Yemen
LBN	Lebanon	**ZAF**	South Africa

2. Coding procedure

The resolutions related to the prior countries-years sampled were downloaded manually from the following websites of the Dag Hammarskjöld Library (last visited on 7 November 2022):

- UNSC: https://www.un.org/securitycouncil/content/resolutions-0
- UNGA: https://research.un.org/en/docs/ga/quick/regular/76
- Veto: https://www.un.org/Depts/dhl/resguide/scact_veto_table_en.htm.

The resolutions were coded based on the following metadata:

- Source agency: “S” for the Security Council, “A” for the Assembly
- Type of document: “RES” for resolutions, “PV” for procès verbaux (drafts)
- Document number: continuing numbers since 1948 for the Council, indication of the annual session and the document number for the Assembly
- Exact publication date (*yyyy-mm-dd*)
- Target country: country that is being addressed in a specific resolution based on the title or the content of the document. This was necessary to focus on the country-specific dimension of the resolutions and thus exclude any broad thematic texts.

Based on this information, the documents received the following title, which allowed a straightforward identification: *Source_Type_Number_Date_Target*.

Special coding procedures:

(1) When a specific resolution targeted more than one country, it was duplicated such that each included document addressed only one country (i.e., S/RES/2104/2013 was coded separately for Sudan and South Sudan). This is necessary for the topic estimation.

(2) Also regional (i.e., RES 1653 from 27th January 2006 concerning the Great Lakes area) or thematic arguments (i.e., RES 2368 from 20th July 2018 concerning terrorism in Afghanistan, Iraq and Syria) were included, if the target countries could be clearly identified by an explicit mention of the country names within the resolution.

(3) Resolutions with the title "The situation in the Middle East, particularly the Palestinian question" (i.e., S/RES/1860/2009) were coded only for Israel.

(4) The "Great Lakes Region", the boundaries of which are estimated diverging by different sources, was coded to include the following countries based on the United Nations Security Council Resolutions Search Engine (http://unscr.com/en): Burundi, the Democratic Republic of Congo, Kenya, Rwanda, Tanzania and Uganda.

3. Descriptive analysis of the dataset

Table AIII. Distribution of the UNSC and UNGA resolutions over time

1990	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	**2004**
31	47	79	96	93	97	83	19	36	36	26	58	72	73	67
2005	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
59	76	55	61	42	28	49	62	65	79	64	65	69	56	59

Table AIV. Distribution of the UNSC and UNGA resolutions across space (based on the relative target country)

AFG	**AGO**	**AZE**	**BDI**	**BGD**	**BIH**	**CAF**	**CIV**	**COD**	**COG**	**COL**	**ERI**	**ETH**	**GEO**	**GTM**
121	80	7	28	1	88	43	20	124	1	2	2	26	13	15
HRV	**IDN**	**IND**	**IRN**	**IRQ**	**ISR**	**KEN**	**LBN**	**LBR**	**LBY**	**MLI**	**MMR**	**MOZ**	**NER**	**PAK**
33	42	1	2	98	336	1	25	43	33	16	25	4	1	1
PHL	**RUS**	**RWA**	**SDN**	**SOM**	**SRB**	**SSD**	**SYR**	**TCD**	**UGA**	**UKR**	**YEM**	**ZAF**		
1	1	57	154	114	24	63	90	10	5	8	16	27		

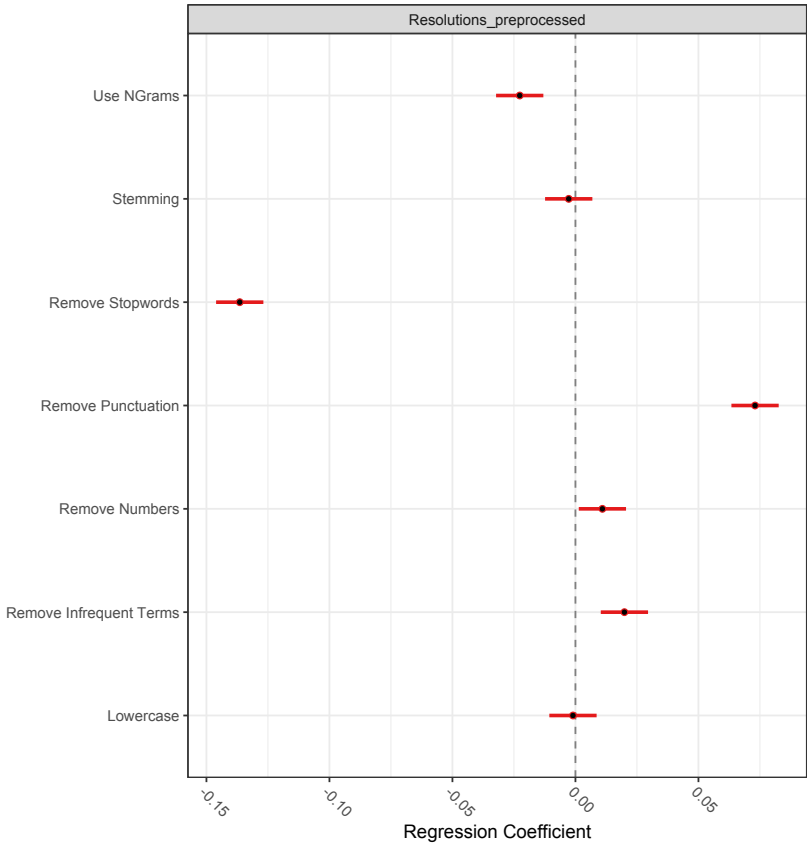
4. Preprocessing

Table AV. Compounded multi-word patterns (use of n-grams)

Theme	**Word patterns**
Organization	"united nations", "security council", "african union", "arab league", "council of Europe", "european union", "general assembly", "united nations general assembly", "international court of justice", "international criminal court", "sahel joint force", "joint force", "secretary general", "secretary-general", "united nations security council", "union south american nations", "g-5 sahel", "rome statute", "geneva convention"
Countries	"azerbaijani republic", "bosnia herzegovina", "bosnia-herzegovina" "burkina faso", "central african republic", "cote d'ivoire", "czech republic", "democratic people's republic korea", "democratic republic congo", "dr congo", "dominican republic", "east

	timor", "timor-leste", "el salvador", "equatorial guinea", "guinea-bissau", "islamic republic afghanistan", "islamic republic iran", "libyan arab Jamahiriya", "new zealand", "northern ireland", "north korea", "papua new guinea", "people's republic china", "people's republic southern yemen", "republic congo", "republic korea", "russian federation", "saudi arabia", "sierra leone", "southern rhodesia", "south africa", "south sudan", "sri lanka", "trinidad Tobago", "union soviet socialist republics", "soviet union", "united arab republic", "united kingdom", "united states", "viet nam", "palestinian state", "former yugoslavia"
Regions/cities	"central america", "great lakes", "great lakes region", "lake chad basin", "northern uganda", "syrian golan", "golan heights", "latin america", "mazar-e-sharif", "south america", "middle east", "sahel region", "sub-saharan africa", "western sahara", "eastern aleppo", "east jerusalem", "west bank", "gaza strip", "west africa", "central Africa", "abyei area", "arab territories"
Thematic	"al aqsa", "al-qaida", "as qaida", "al-nusra front", "al nusra front", "al nusrah front", "lord's resistance army", "al nusra", "al-nusra", "al-nusrah", "al-nusra", "al-shabaab", "al shabaab", "boko haram", "islamic state iraq levant", "islamic state", "drug trafficking", "human trafficking", "light weapons", "illegal exploitation", "terrorist fighter", "terrorist groups", "chemical weapons", "child soldiers", "food insecurity", "forced displacement", "civil war", "extremist groups", "mass destruction", "humanitarian crisis", "sexual violence", "gender-based violence", "small arms", "terrorist acts", "armed conflict", "climate change", "armed forces", "violent extremism", "organized crime", "war crimes", "crimes humanity", "ethnic cleansing", "mass atrocities", "sexual exploitation", "civilian casualties", "occupied territories", "early warning", "human rights", "international law", "humanitarian law", "civilian population", "civil society", "territorial integrity", "two-state solution", "political solution", "regional organization", "voluntary repatriation", "international partners", "natural resources", "international peace and security", "neighboring countries", "international community", "displaced persons", "territorial integrity", "political process", "international peace", "host country", "humanitarian personnel", "economic resources", "political independence", "international organization", "non-governmental organization"
UN action	"lusaka protocol", "peace initiative", "humanitarian affairs", "economic development", "peaceful implementation", "sanctions regime", "humanitarian assistance", "peacekeeping operation", "foreign affairs", "conflict prevention", "humanitarian workers", "multinational force", "food programme", "integrated stabilization mission", "humanitarian access", "multidimensional integration mission", "hybrid operation", "stabilization mission", "arms embargo", "good governance", "peace agreement", "humanitarian aid", "cease-fire agreement", "law enforcement", "peace enforcement", "international tribunal", "election process", "humanitarian organization", "assistance mission", "criminal court", "monitoring team", "reconciliation process", "monitoring team", "sanctions list", "al-qaida sanctions", "peacekeeping mission", "advisory committee", "technical assistance", "council resolution", "military equipment", "special committee", "humanitarian relief", "military observers", "chapter v", "chapter vi", "chapter vii", "verification mission", "observer group", "transition assistance group", "good offices mission", "transitional administration", "observer mission", "integrated mission", "preventative deployment force", "protection force", "emergency force", "supervision mission"

Figure A1. Validity of the pre-processing based on the *pre-Text package* from Denny and Spirling (2018). Measures with negative coefficient produce more normal results, while positive coefficients create more unusual results. Based on this representation, the only questionable measure is the removal of punctuation. As resolutions are legalistic documents with similar structures and in which the punctuation does not have any communicative function, they were nonetheless excluded from the analysis.



5. Model fit with different number of topics (*k*)

Figure A2. Semantic coherence and exclusivity by number of topics (3-50*k*)

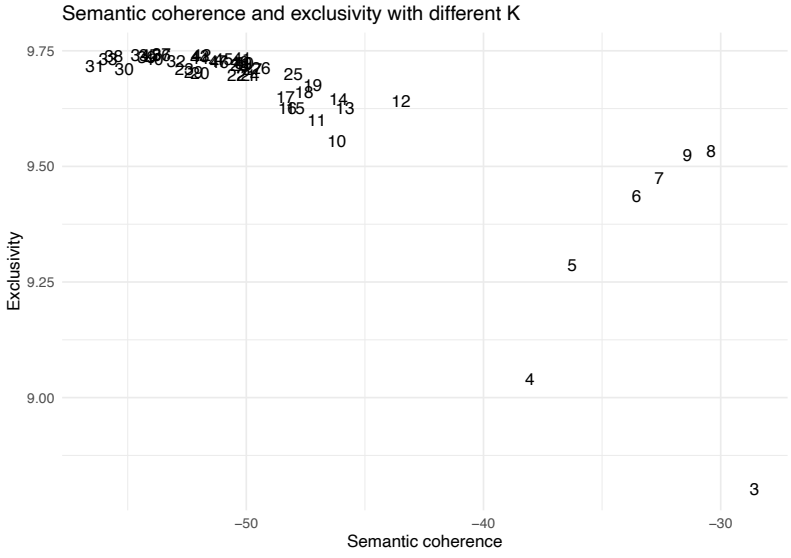
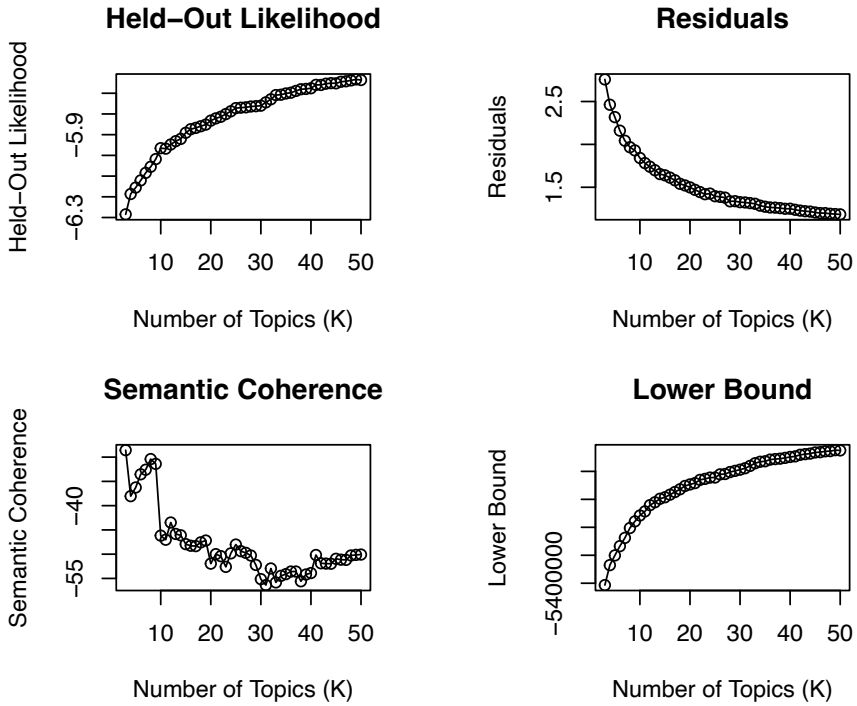


Figure A3. Diagnostic values by number of topics (3-50*k*)



6. STM output for models with different number of *k*

Figure A4. Words with the highest *ß* in the 3*k* STM

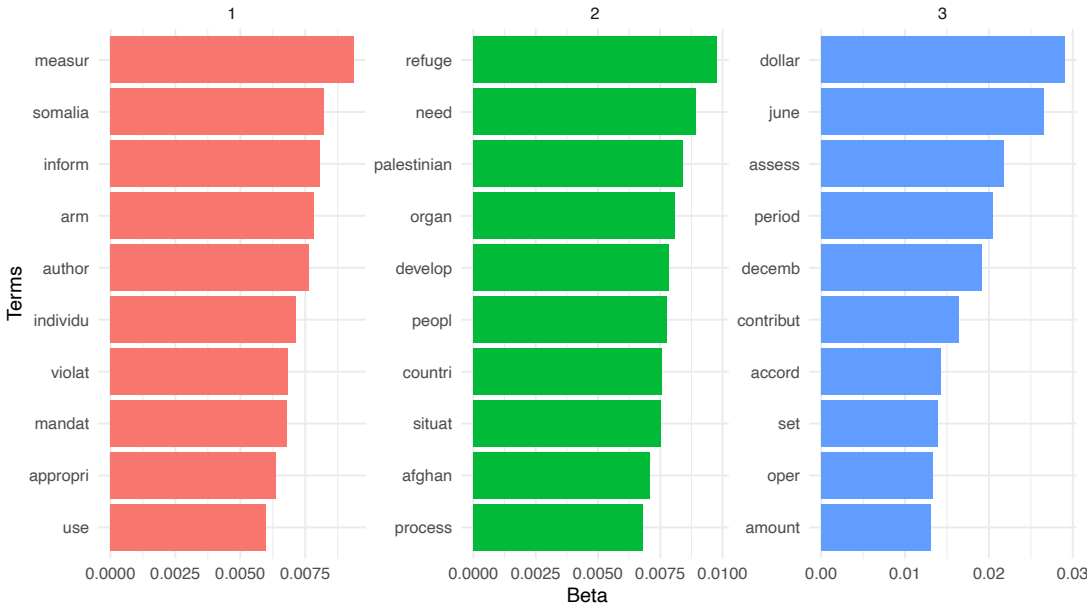


Figure A5. Words with the highest β in the 4k STM

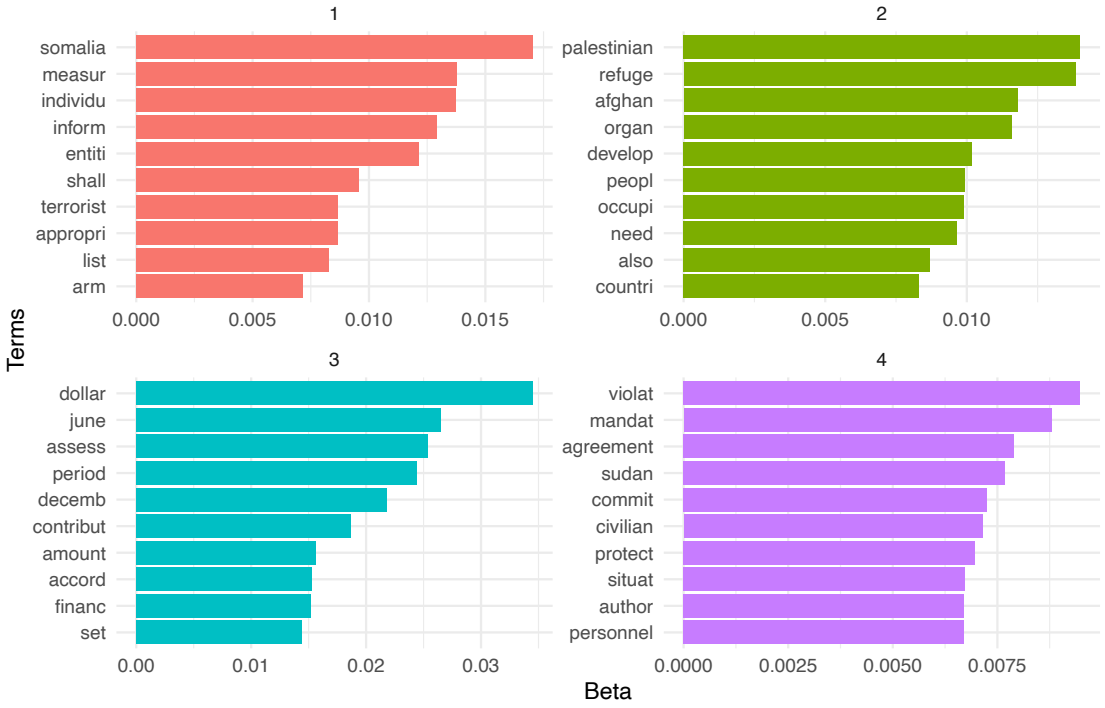


Figure A6. Words with the highest β in the 5k STM

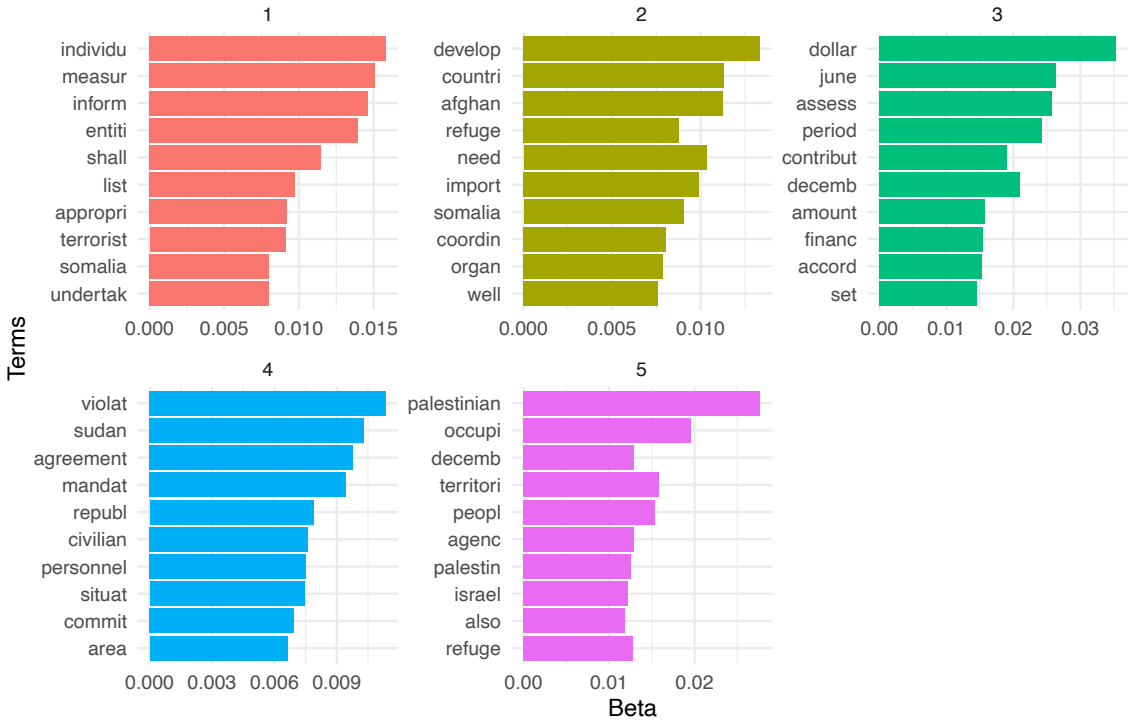


Figure A7. Words with the highest β in the 6k STM

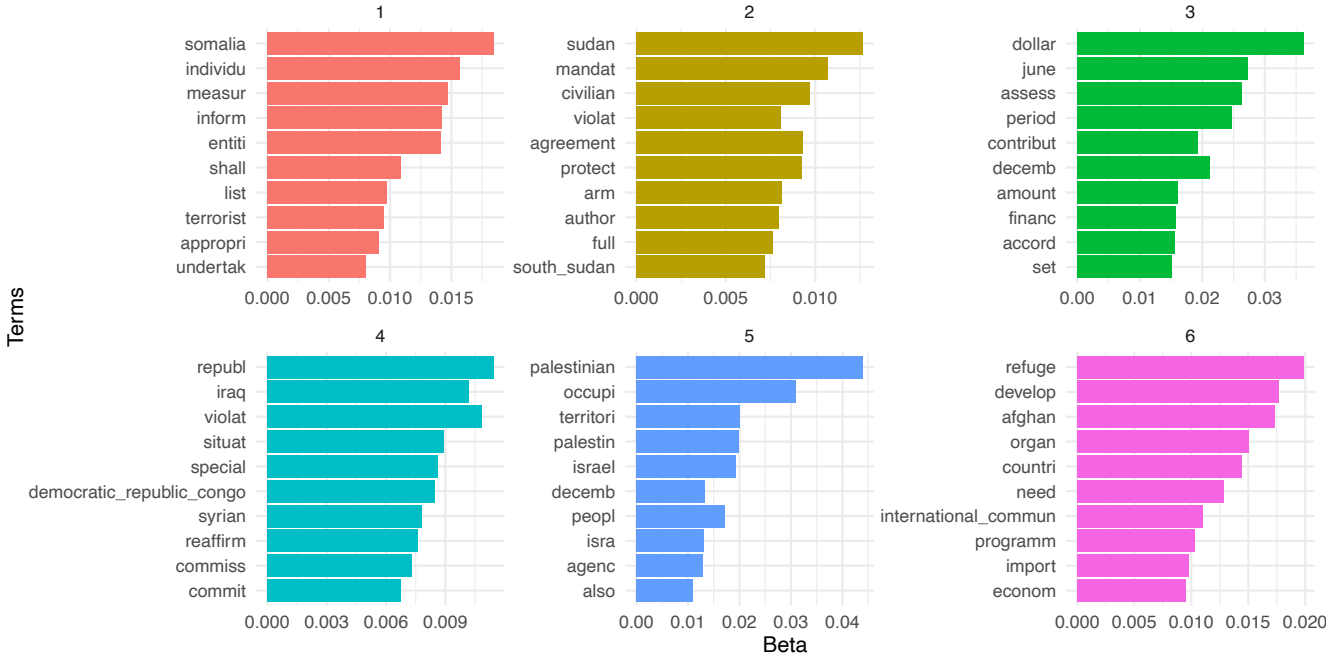


Figure A8. Words with the highest β in the 7k STM

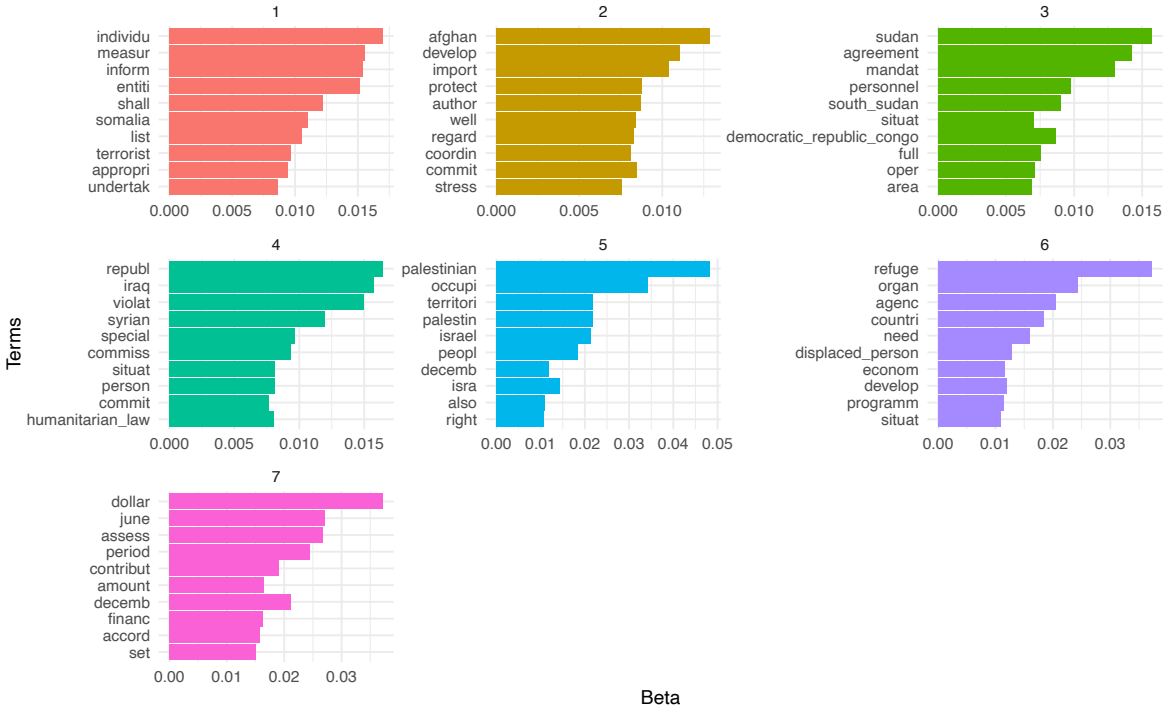


Figure A9. Words with the highest β in the 8k STM

Figure A10. Words with the highest β in the 9k STM

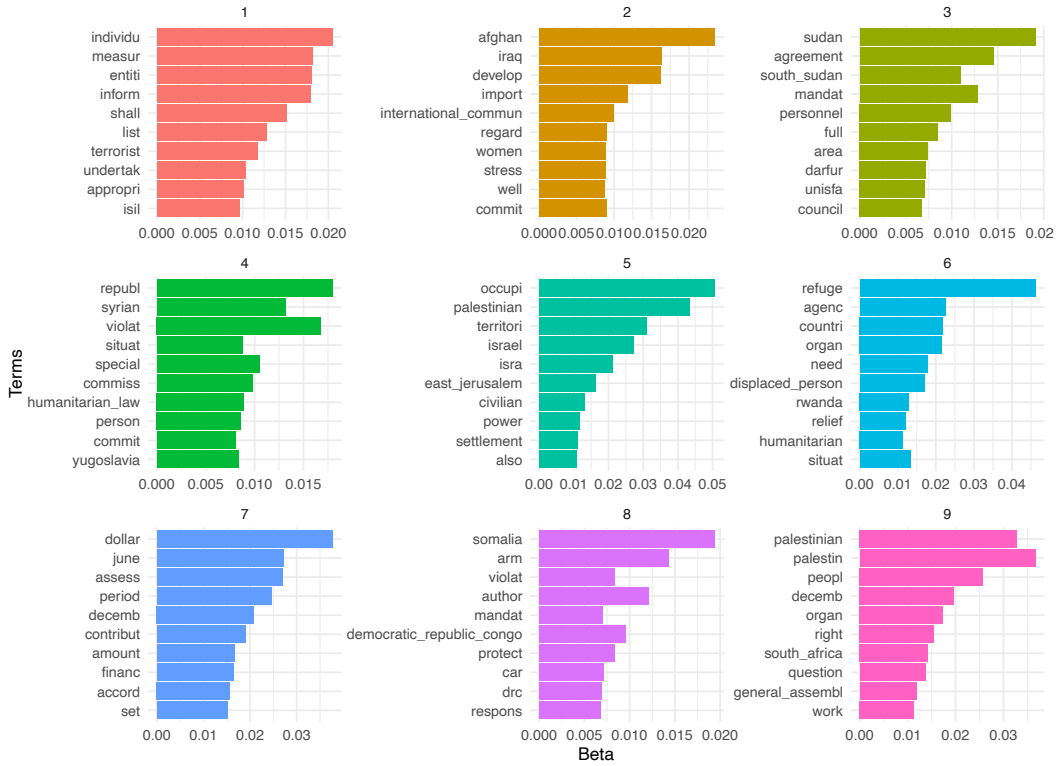


Figure A11. Words with the highest β in the 10k STM

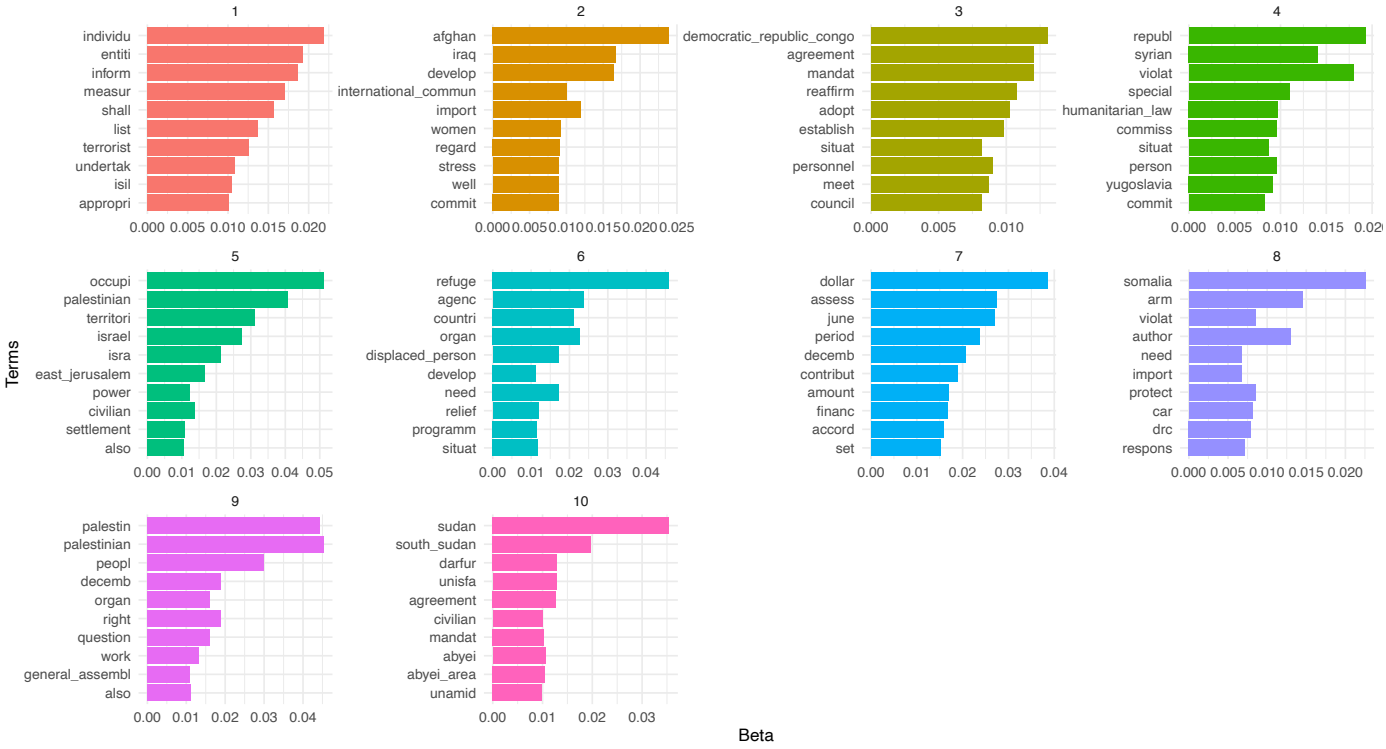


Figure A12. Words with the highest β in the 11k STM

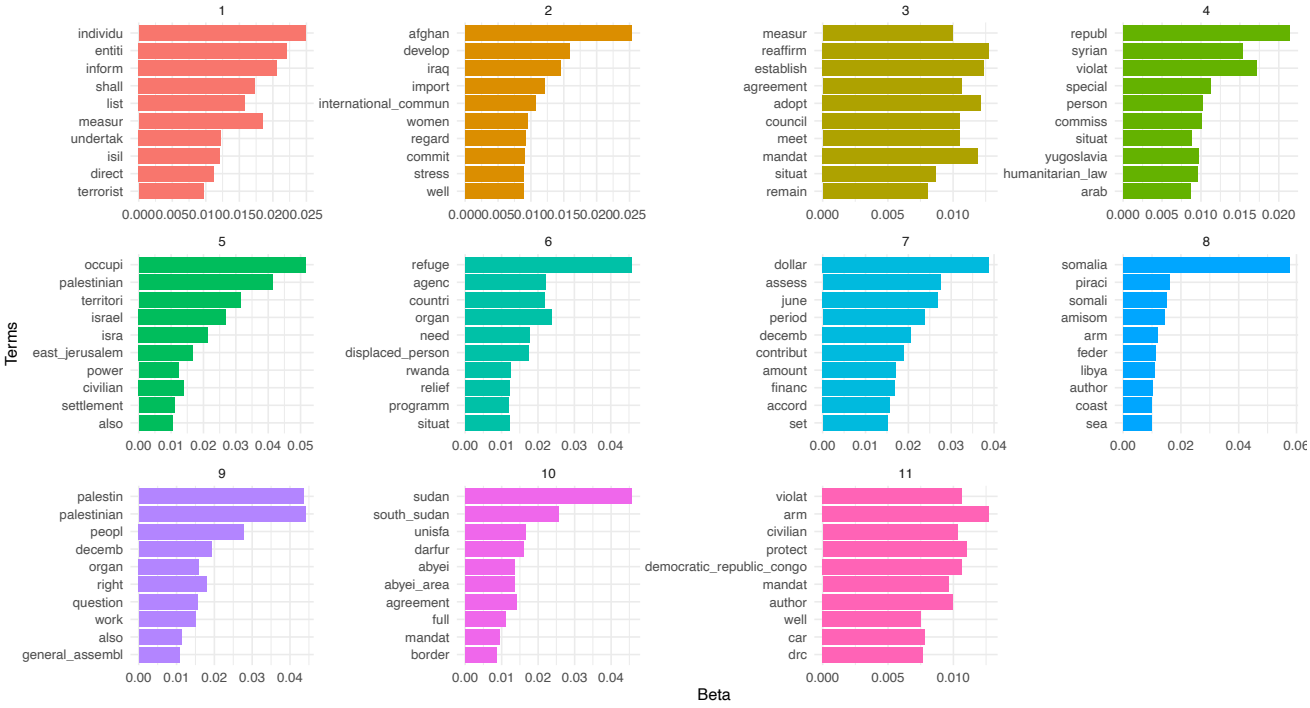


Figure A13. Words with the highest β in the 12k STM

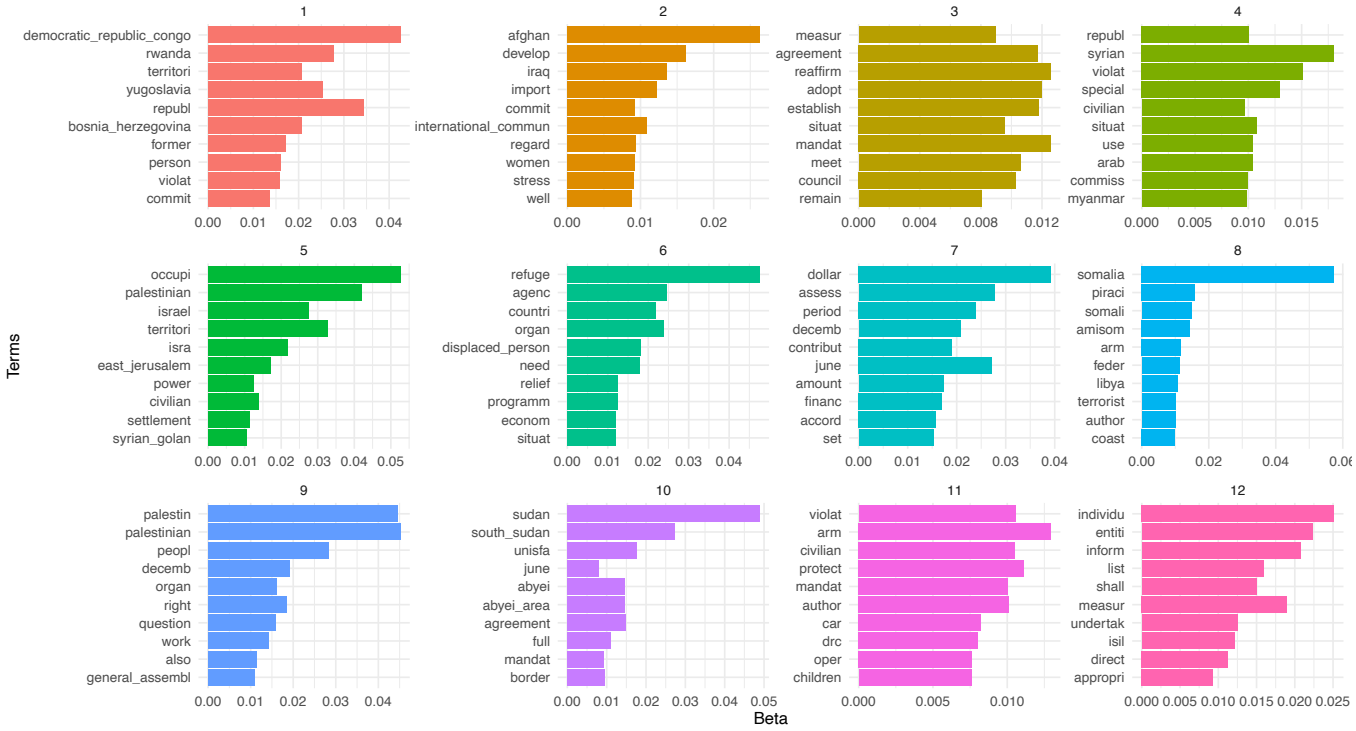


Figure A14. Words with the highest β in the 13k STM

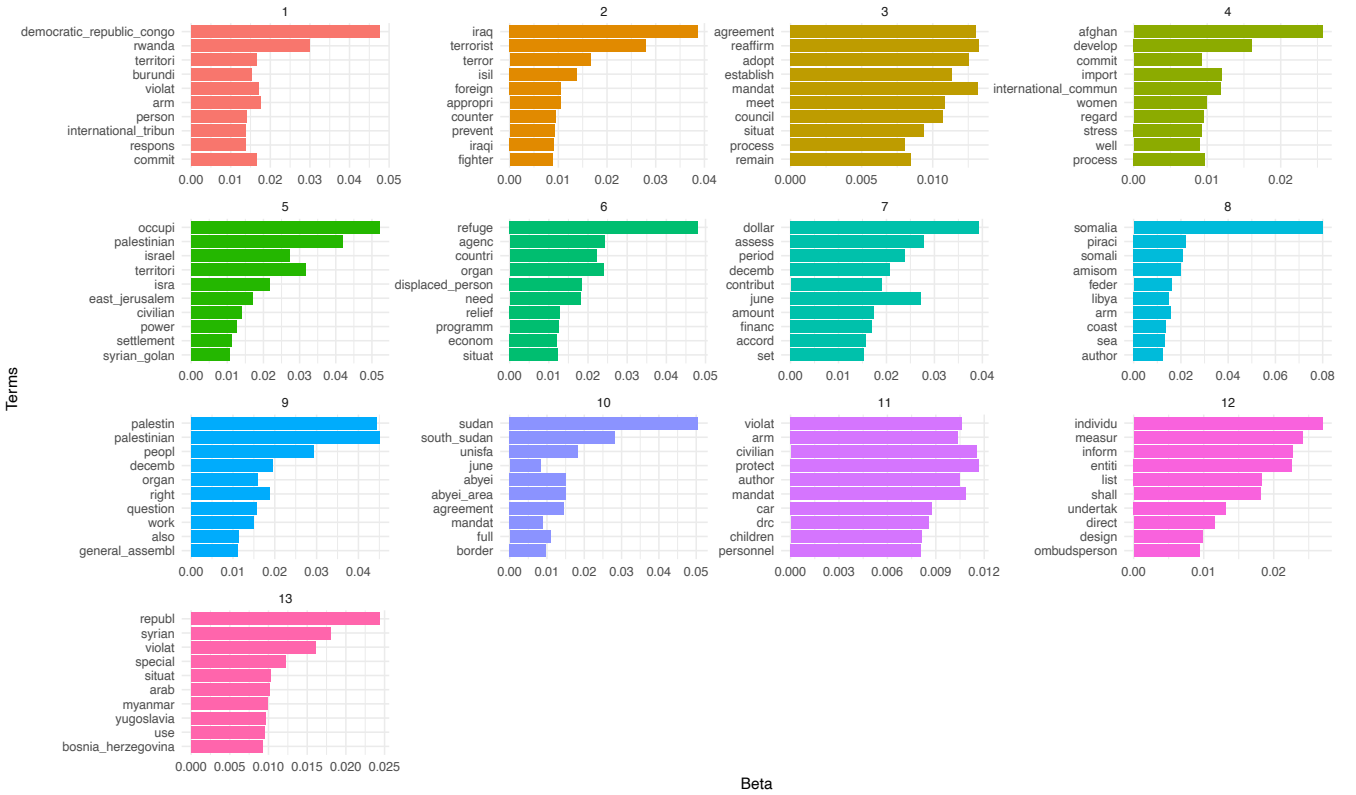


Figure A15. Words with the highest β in the 14k STM

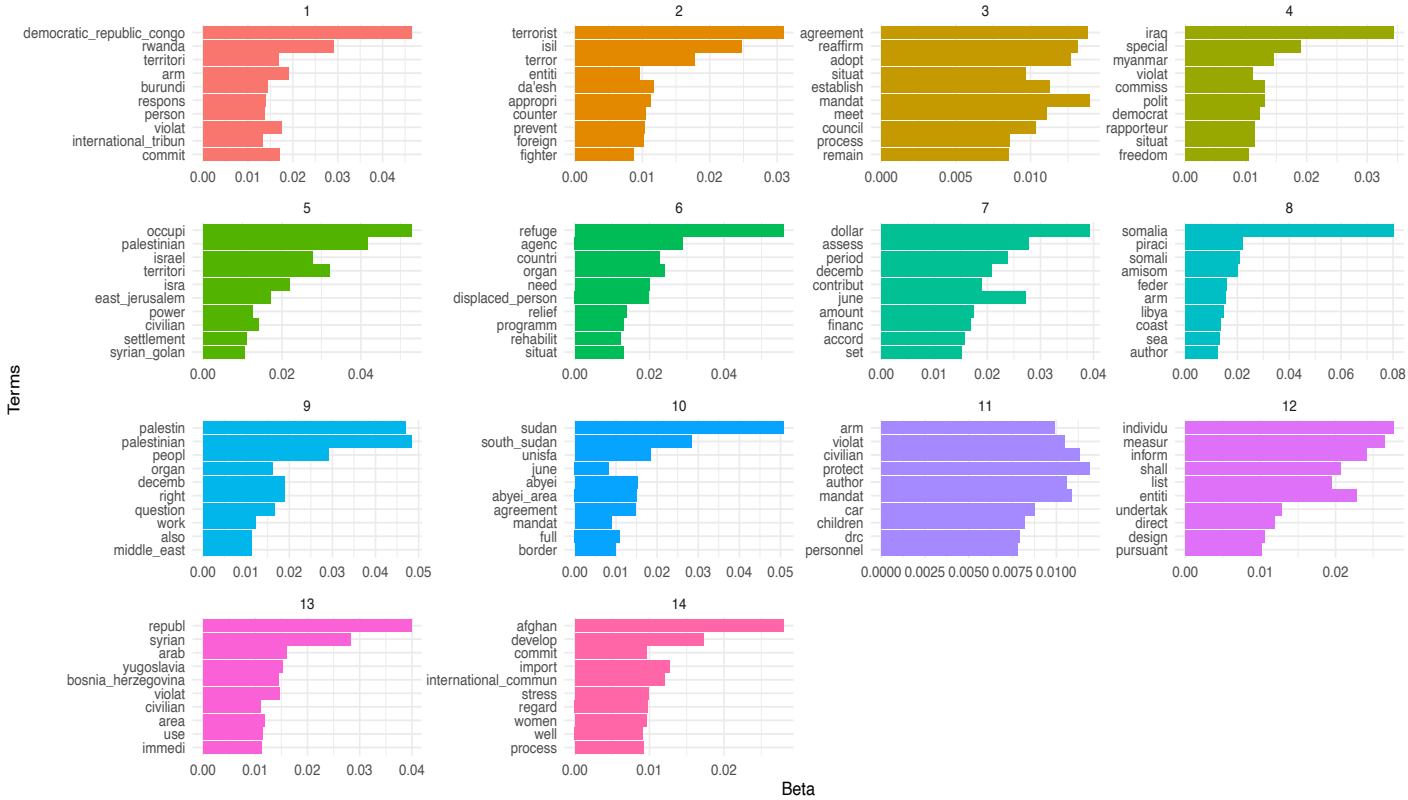


Figure A16. Words with the highest β in the 15k STM

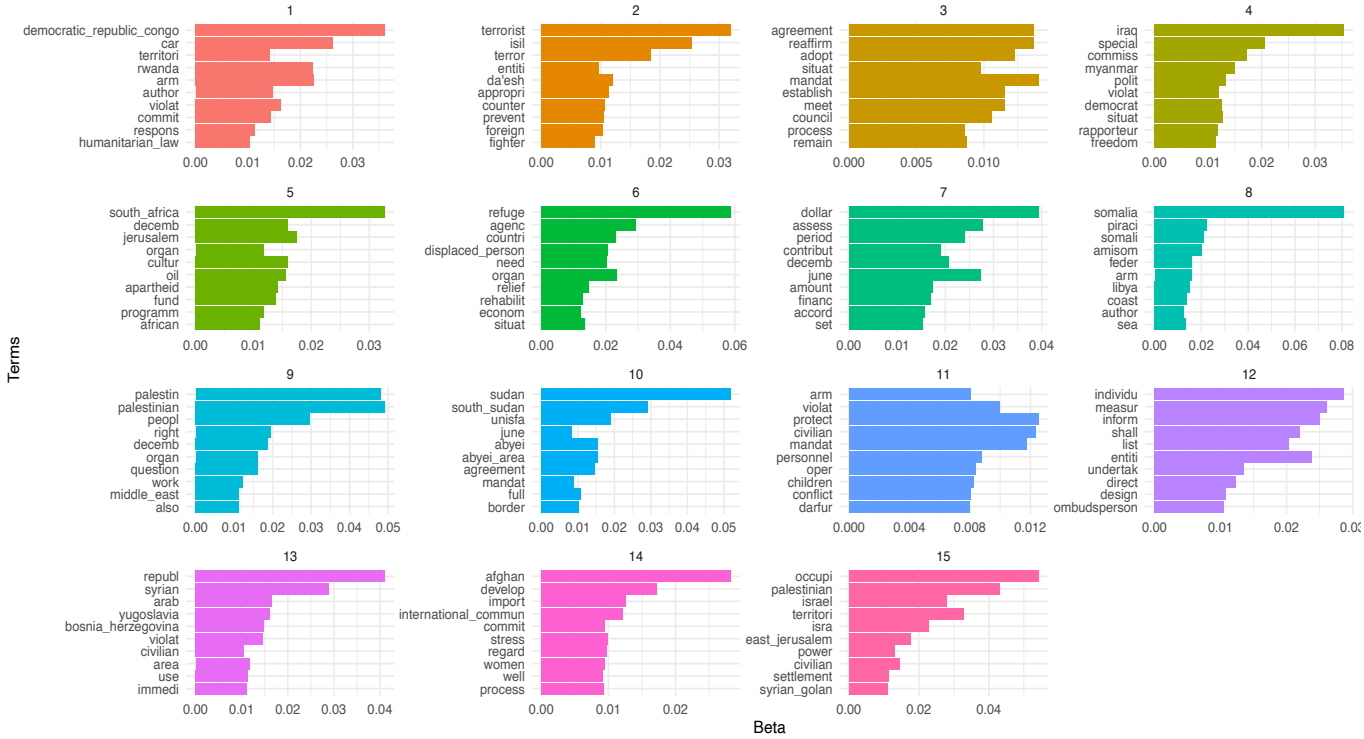


Figure A17. Most strongly associated words to the topics in a model with 38*k*

7. Differentiation between Security Council and General Assembly

Figure A18. Chi-squared test for most strongly associated words with the United Nations Security Council (blue) and the United Nations General Assembly (red)

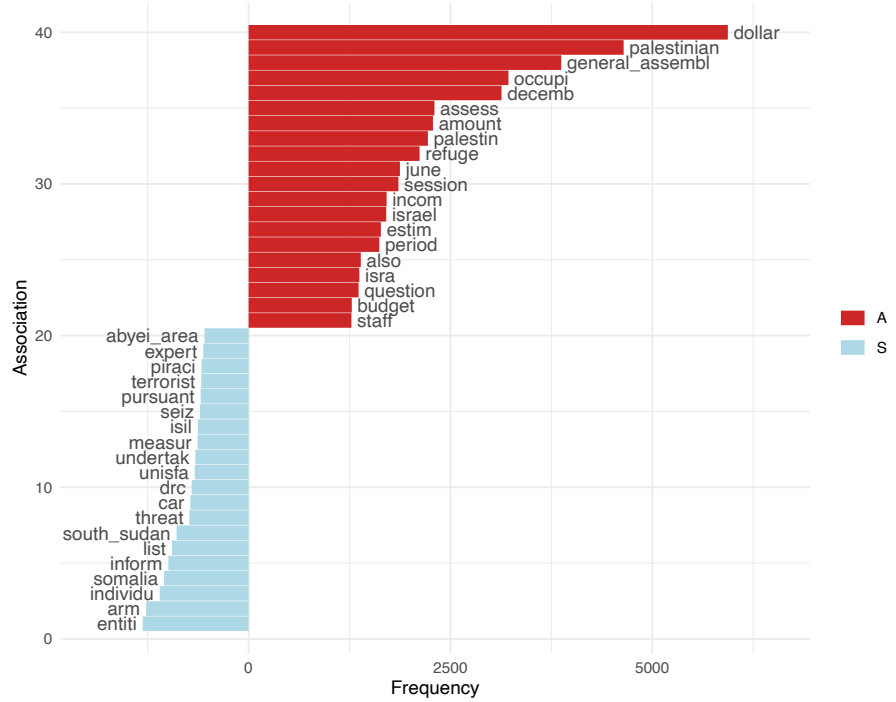


Figure A19. 6*k* STM only for Council documents (1003 documents)

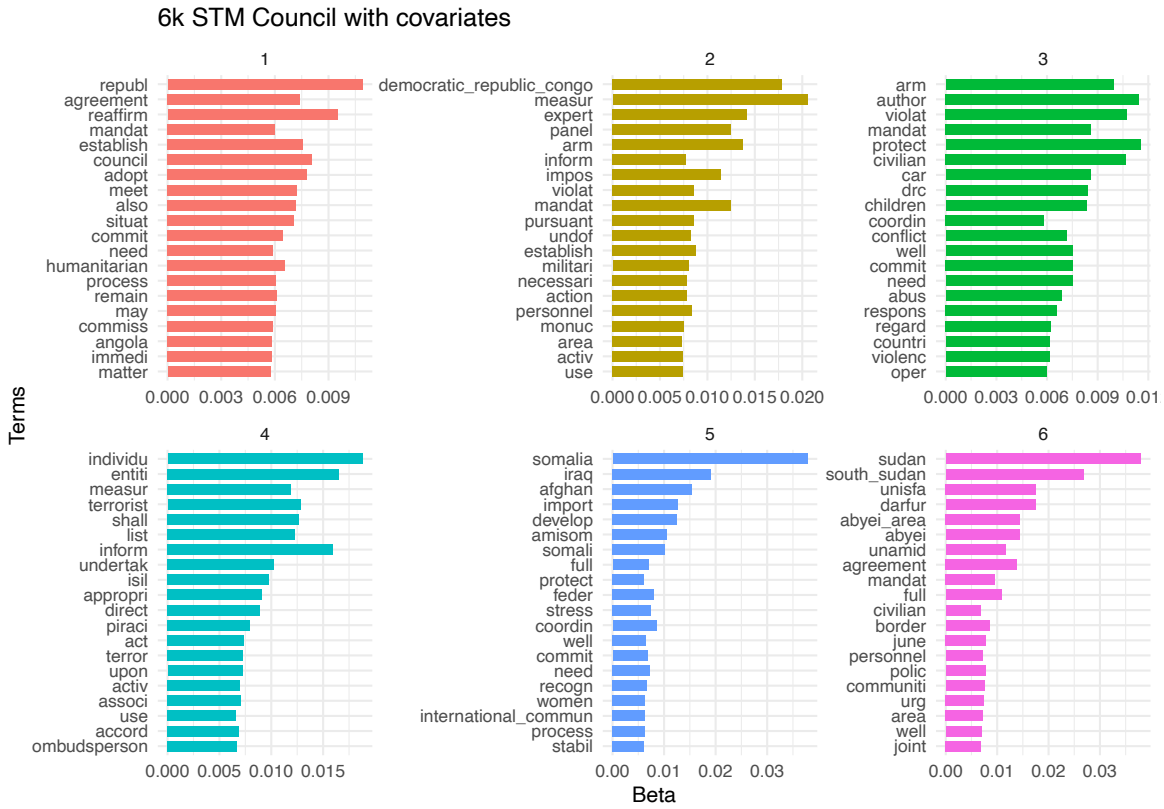
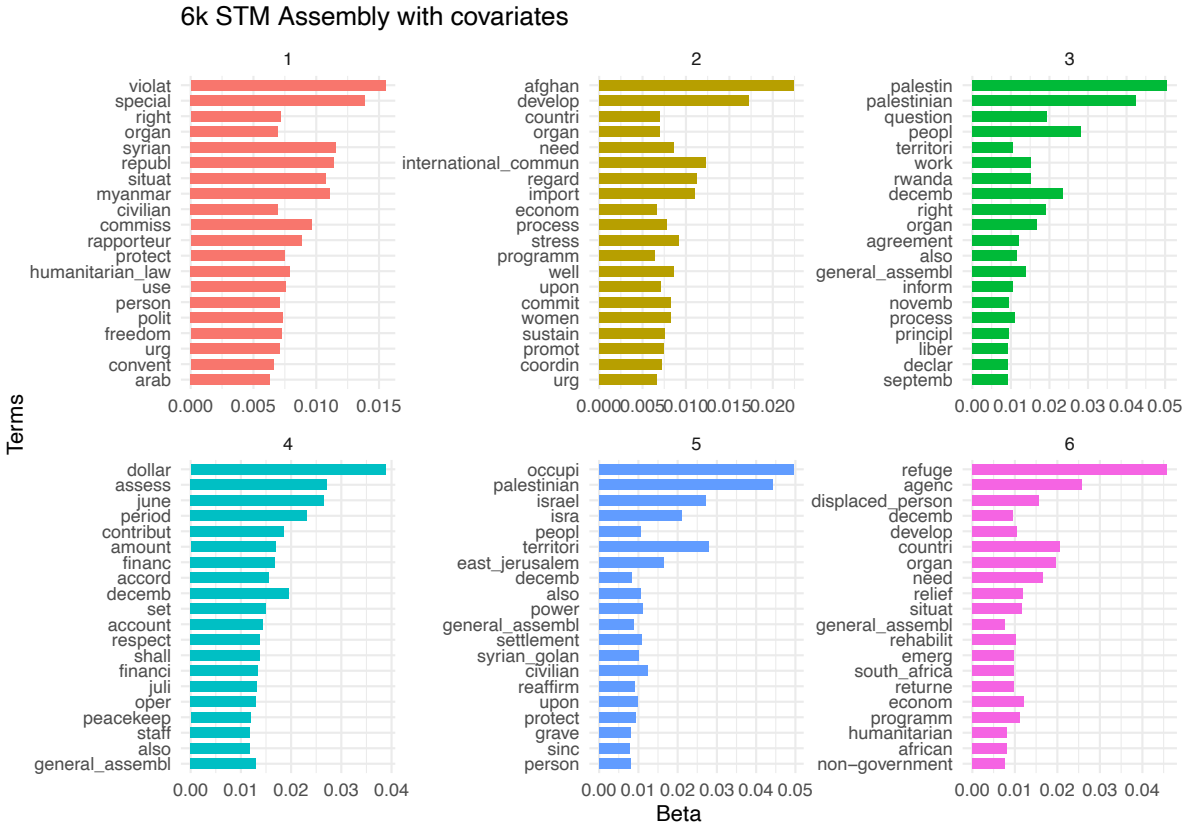
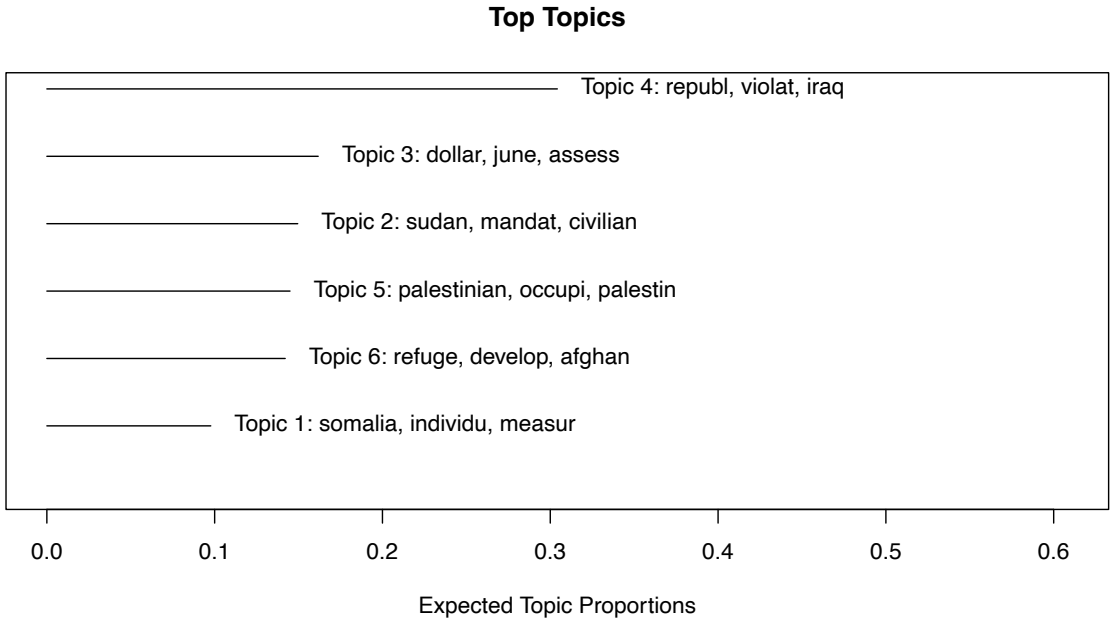


Figure A20. 6*k* STM only for Assembly documents

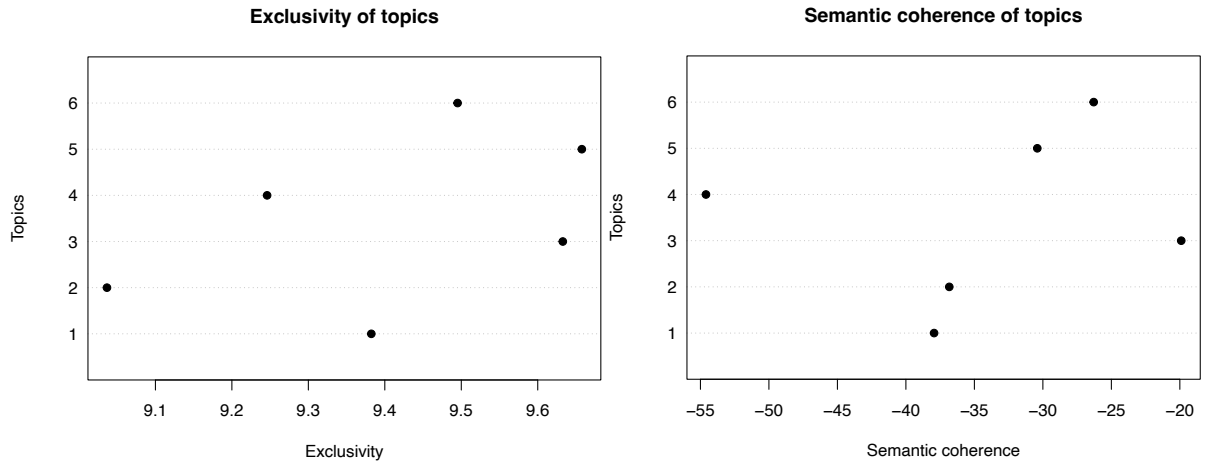


8. Descriptive statistics for 6*k* STM with country and date covariates (final model)

Figure A21. Topic proportions for 6*k* STM (with country and date covariates)



Figures A22/A23. Exclusivity (left) and semantic coherence (right) of the individual topics for the 6*k* STM



Figures A24/A25/A26. Word clouds of the 50 most strongly associated words with the topics 1 (left), 2 (center) and 3 (right)

Figure A27/A28/A29. Word clouds of the 50 most strongly associated words with the topics 4 (left), 5 (center) and 6 (right)

Table AVI. Twenty most frequent FREX (words frequent in and exclusive to a single topic)

Topic	Top 20 FREX words
1	piraci, isil, list, entiti, ombudsperson, somalia, individu, terrorist, undertak, sea, coast, delist, libya, design, monitoring_team, travel, direct, terror, da'esh, pursuant
2	sudan, drc, south_sudan, unisfa, car, polic, abyei_area, darfur, unamid, african_union, amisom, abus, monusco, abyei, deploy, joint, attack, violenc, children, armed_conflict
3	dollar, amount, incom, estim, assess, advisory_committe, period, budget, apportion, june, apport, peacekeep, budgetari, financ, approv, staff, disengag, scale, prorat, contribut
4	iraq, republ, syrian, democratic_republic_congo, yugoslavia, myanmar, rwanda, bosnia_herzegovina, democrat, commiss, angola, immedi, former, rapporteur, violat, undof, humanitarian_law, fulli, presid, unita

5	palestinian, occupi, palestin, israel, isra, east_jerusalem, syrian_golan, power, middle_east, territori, settlement, agenc, peopl, gaza_strip, special_committe, sinc, geneva_convent, jerusalem, right, side
6	afghan, international_commun, programm, reconstruct, displaced_person, rehabilit, refuge, relief, econom, develop, drug, return, sustain, south_africa, liberia, countri, social, confer, non-government, strengthen

Table AVII. Three most representative documents per topic

Topic	Most representative documents
1	S/RES/2368/2017 (AFG/IRQ/SYR, 2017-07-20), S/RES/2253/2015 (AFG/IRQ/SYR, 2015-12-17), S/RES/2083/2012 (AFG/IRQ, 2012-12-17)
2	S/RES/2156/2014 (SDN, 2014-05-29), S/RES/2126/2013 (SDN, 2013-11-25), S/RES/2104/2013 (SDN, 2013-05-29)
3	A/RES/55^228/2001 (IDN, 2001-07-18), A/RES/72^289/2018 (SSD, 2018-07-05), A/RES/59^13/2005 (IDN, 2005-06-22)
4	S/RES/1019/1995 (BIH/HRV, 1995-11-09), S/RES/871/1993 (BIH/HRV, 1993-10-04), S/RES/1004/1995 (BIH, 1995-07-12)
5	A/RES/62^181/2007 (ISR, 2007-12-19), A/RES/61^117/2006 (ISR, 2006-12-14), A/RES/63^201/2008 (ISR, 2008-12-19)
6	A/RES/47^107/1992 (SOM/TCD/LBR, 1992-12-16), A/RES/46^108/1991 (SOM, 1991-12-16), A/RES/48^118/1993 (SOM, 1993-12-20)

9. Expected topic proportions across space

Figure A30. Dominant topics over space (Topics 1-6)

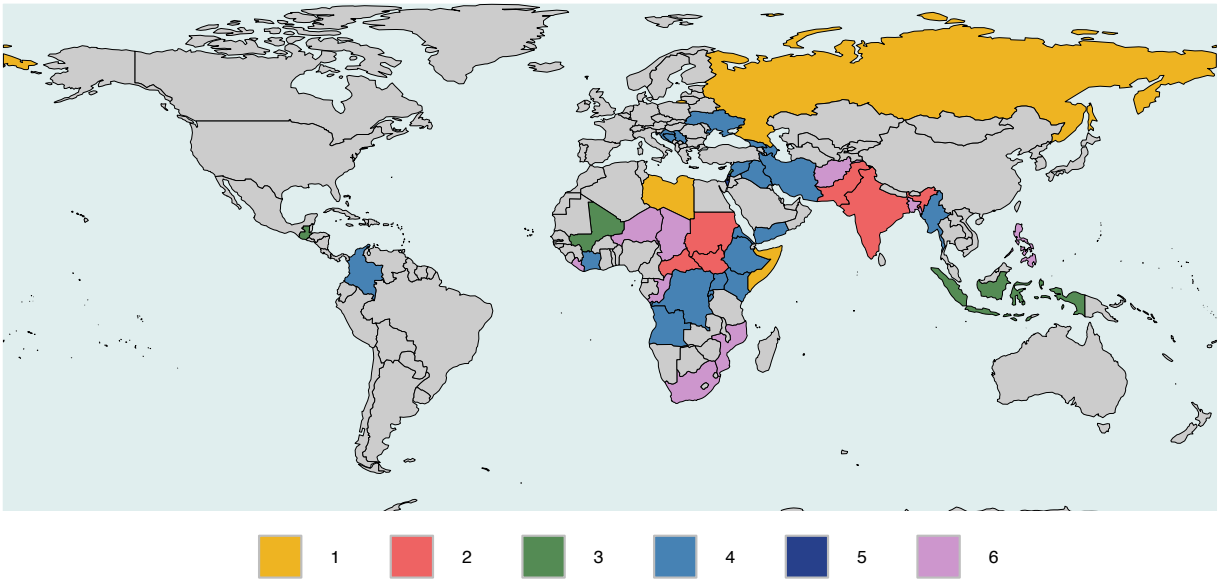


Figure A31. Measure of heterogeneity across space for Topic 1

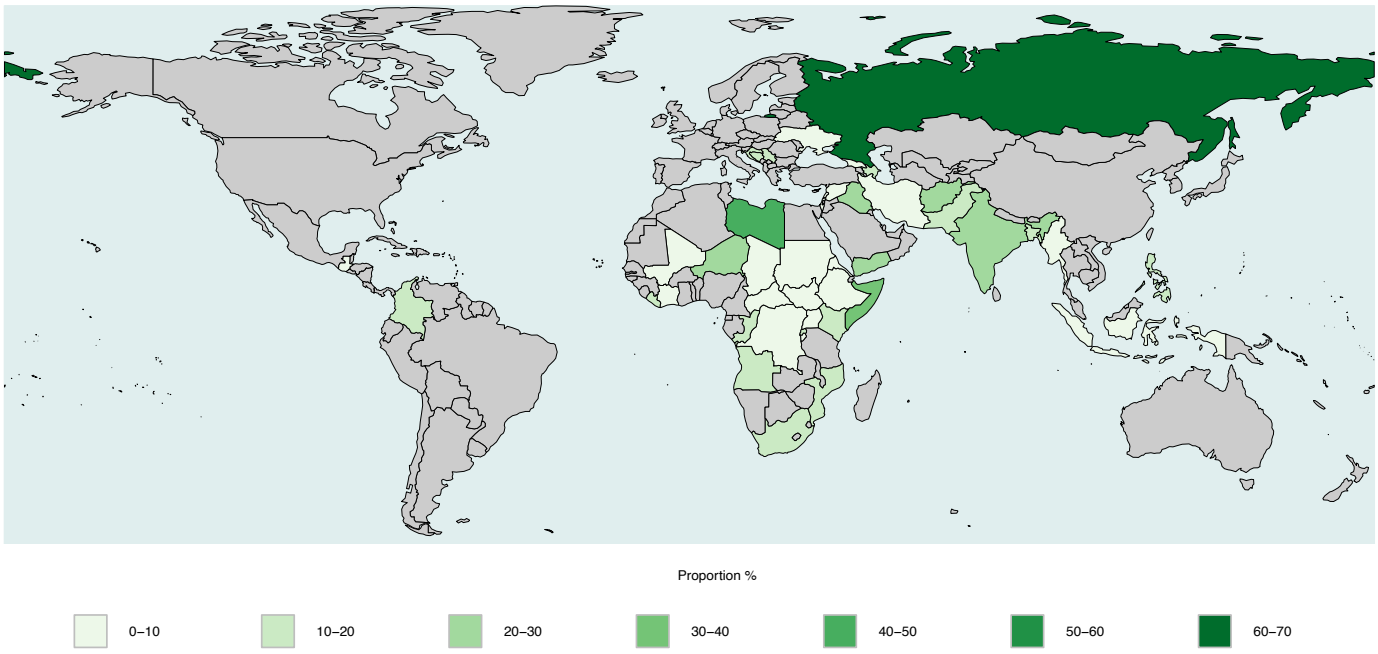


Figure A32. Measure of heterogeneity across space for Topic 2

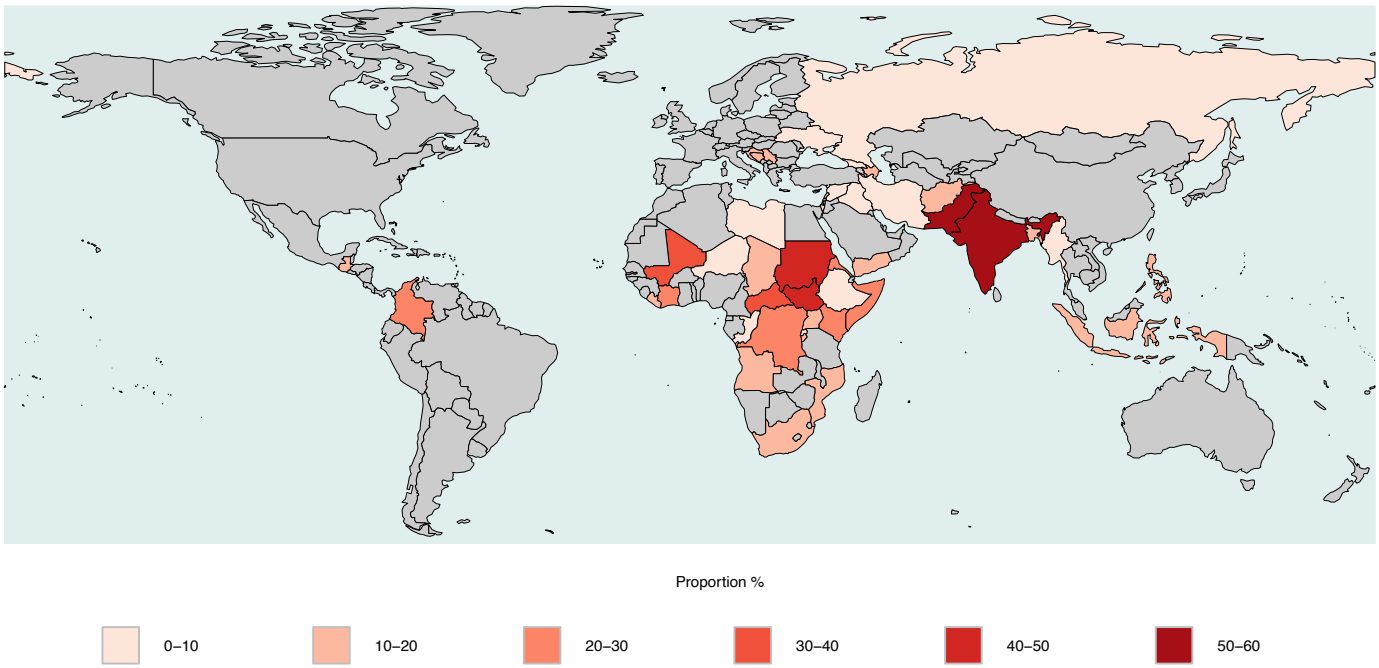


Figure A33. Measure of heterogeneity across countries for Topic 3

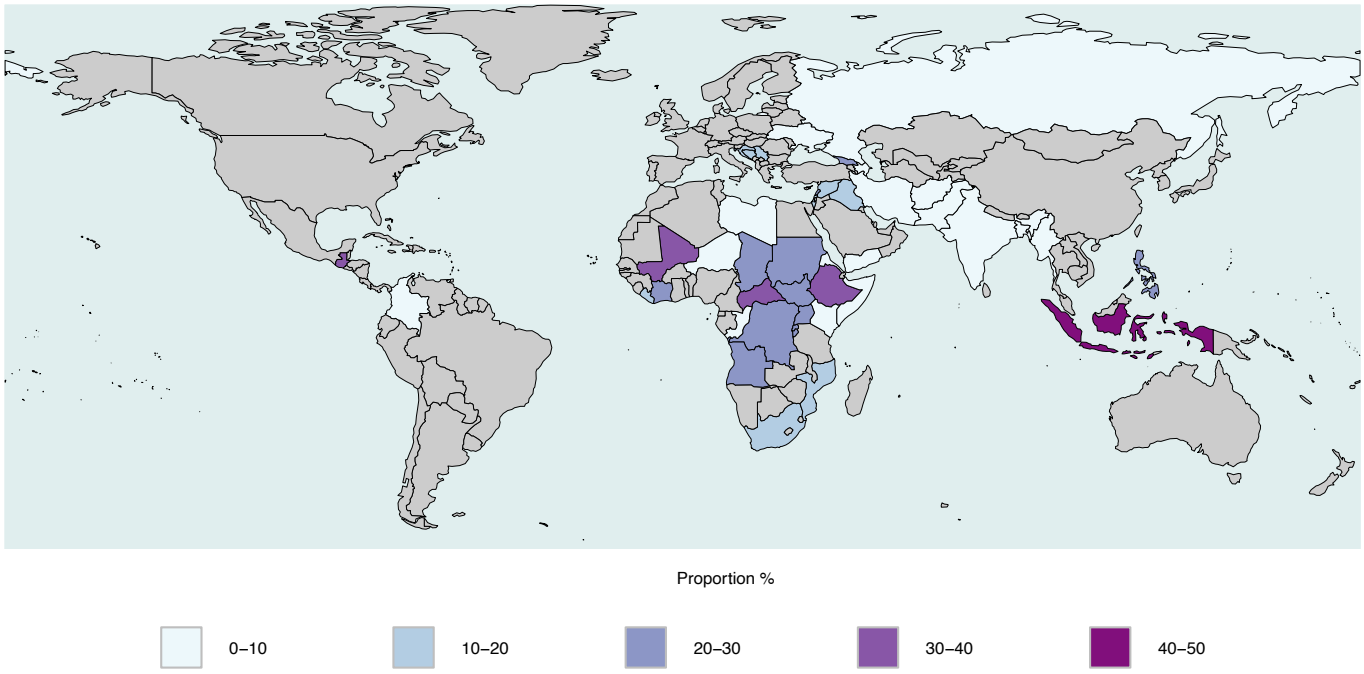


Figure A34. Measure of heterogeneity across countries for Topic 4

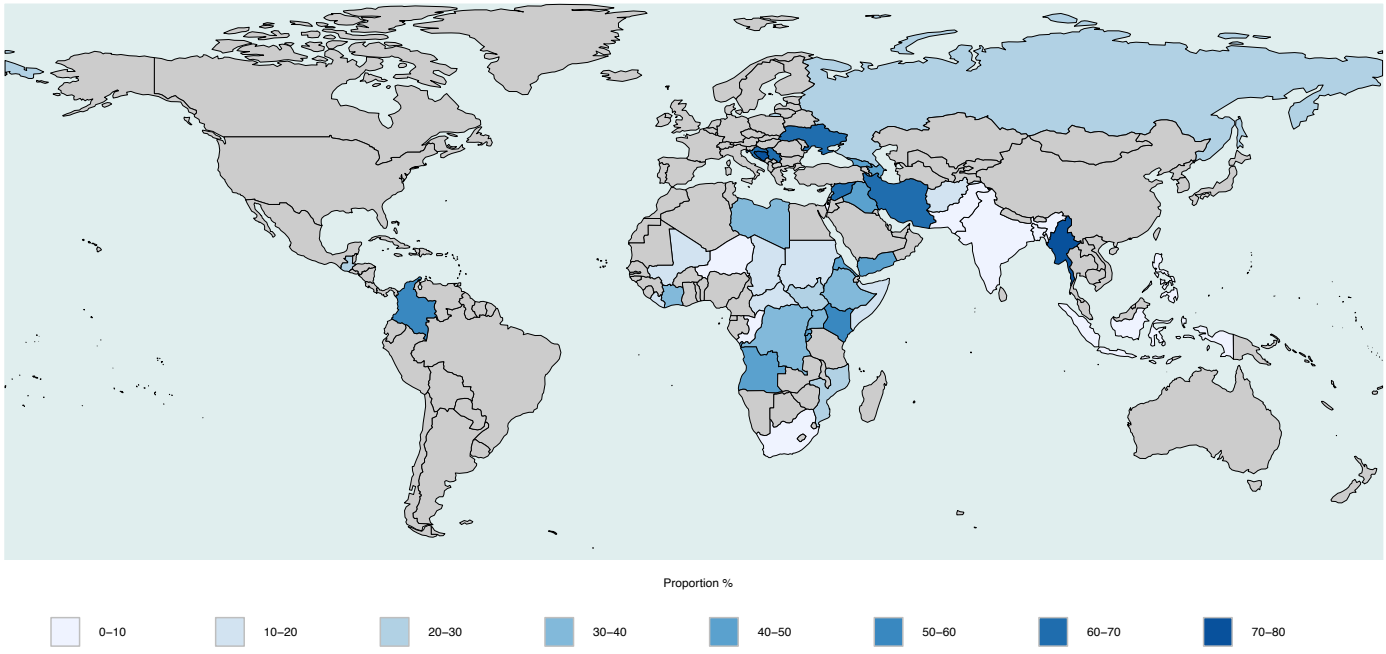


Figure A35. Measure of heterogeneity across countries for Topic 5

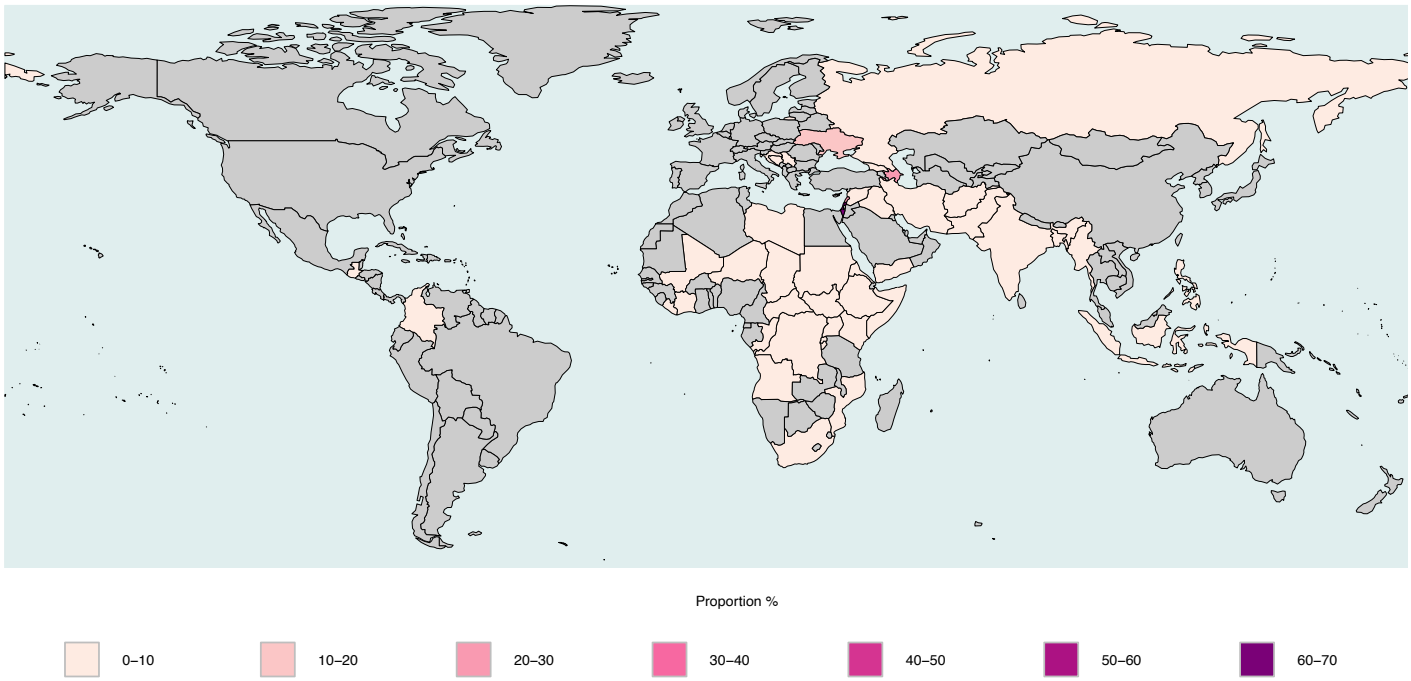


Figure A36. Measure of heterogeneity across countries for Topic 6

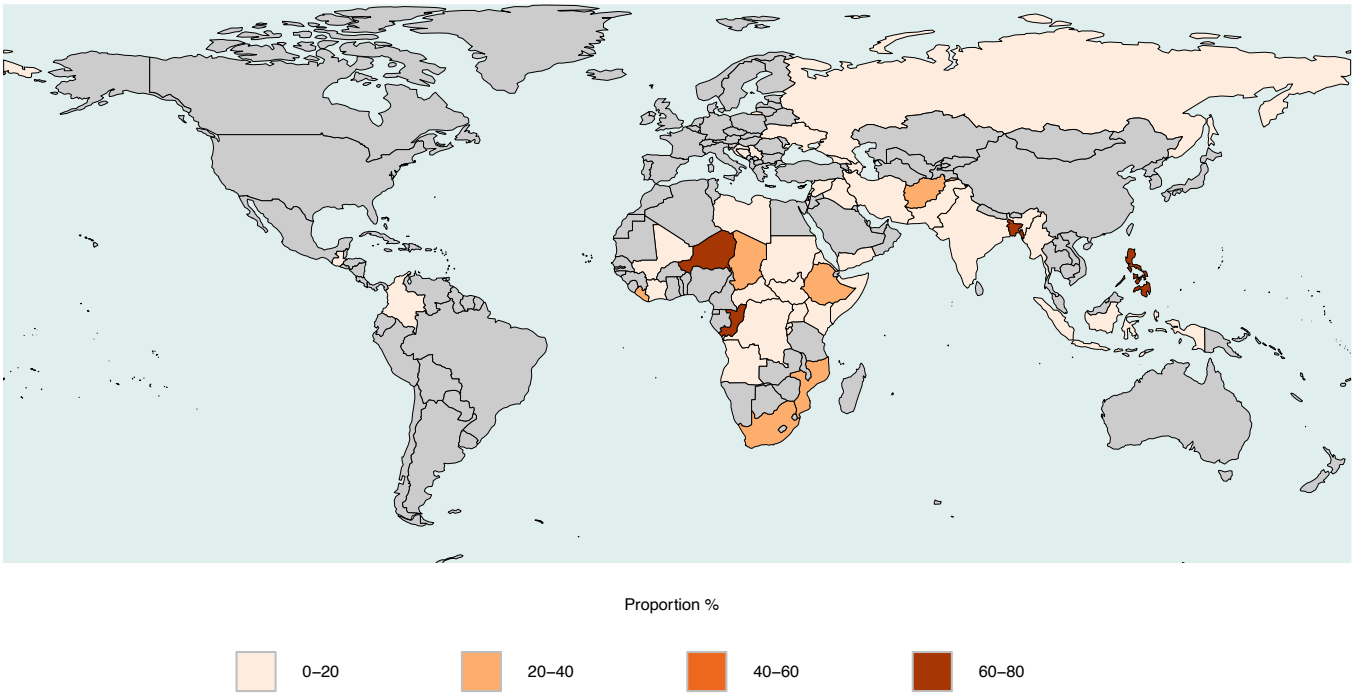
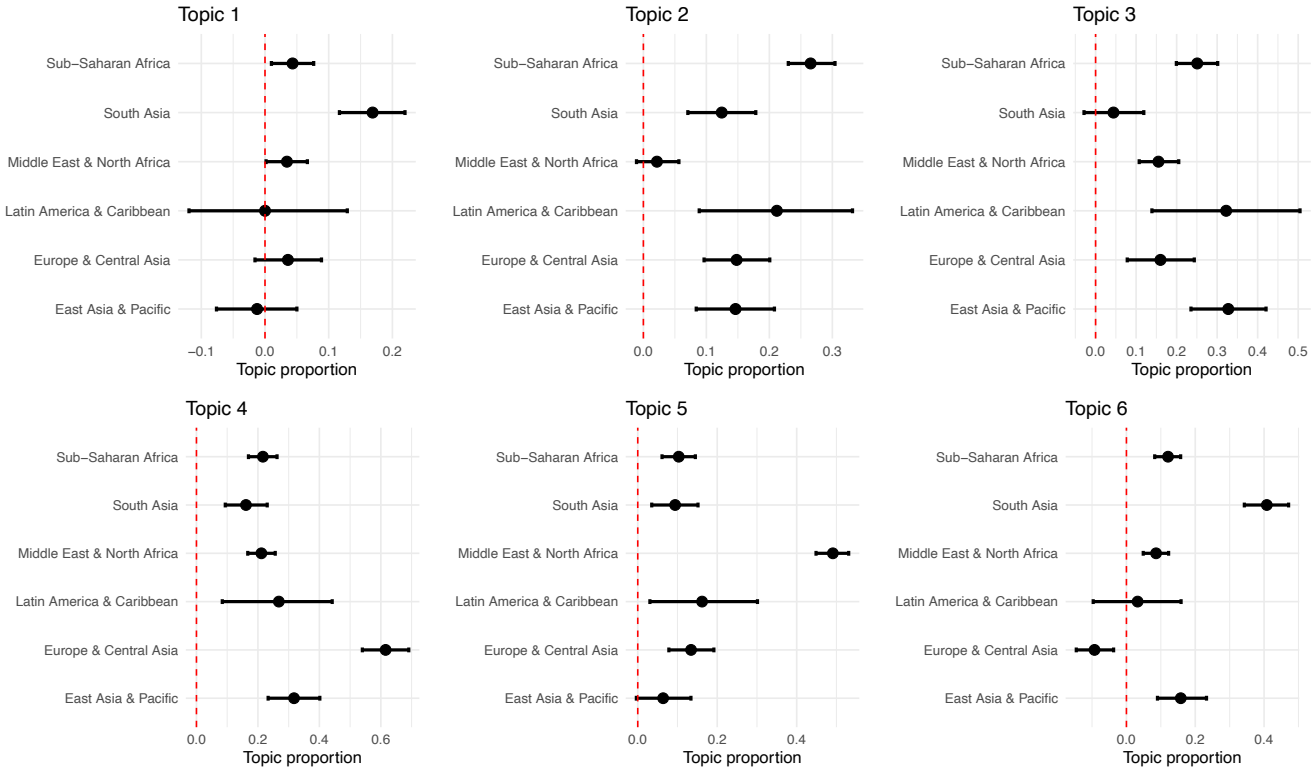


Figure A37. Expected topic proportion across region



10. Expected topic proportions over time

Figure A38. Expected topic proportion over time

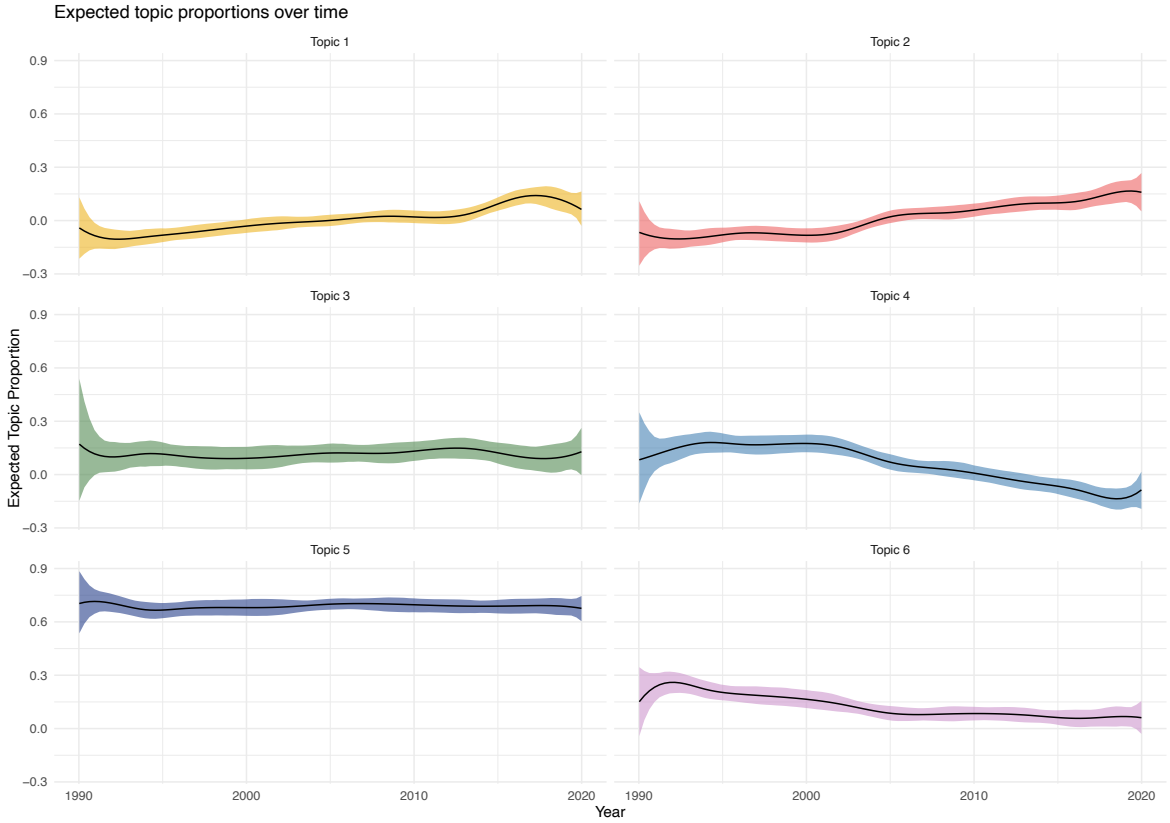
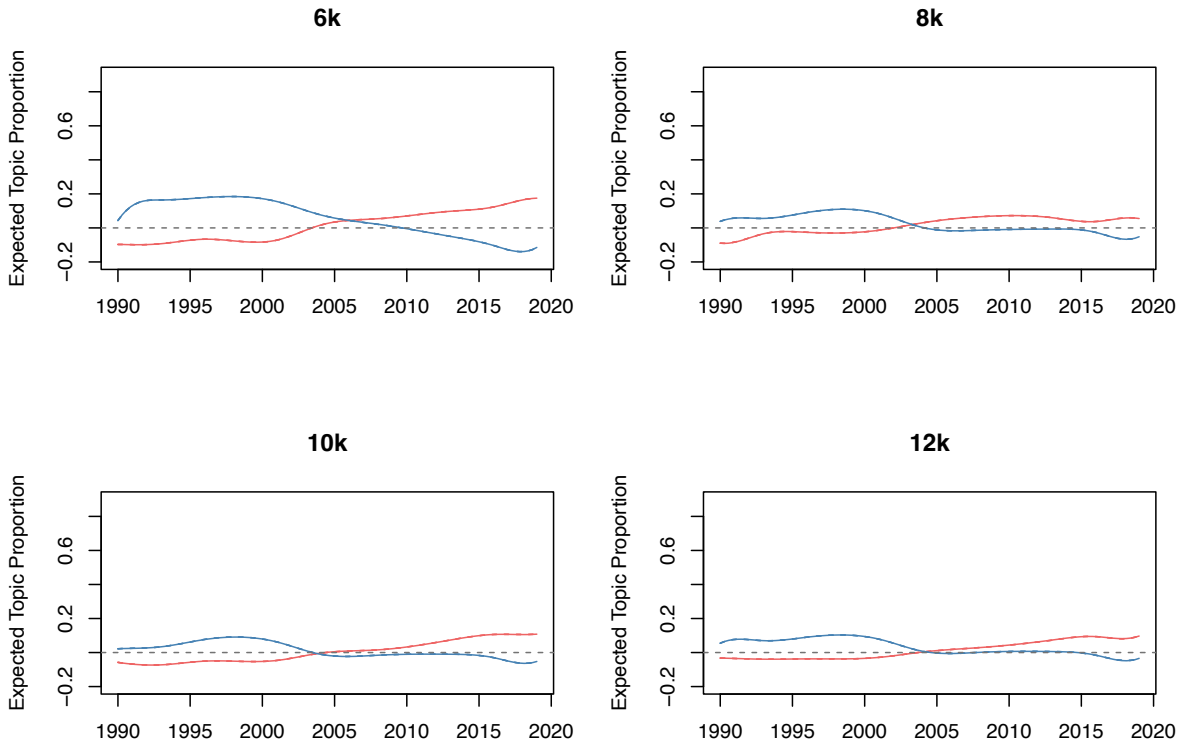


Figure A39. Validation of the results of Topics 2 and 4 with 6, 8, 10 and 12*k*



11. Regression table for estimated effects

Table AVIII. Linear regression table for the model with 6*k* with covariates

Variable	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6
Intercept	0.17*	0.05	0.08	0.22*	0.03	-0.46***
	(0.09)	(0.09)	(0.16)	(0.12)	(0.09)	(0.11)
s(Date)1	-0.08	-0.05	-0.11	0.03	0.03	0.18
	(0.14)	(0.14)	(0.24)	(0.19)	(0.12)	(0.16)
s(Date)2	-0.06	-0.04	-0.03	0.12	-0.06	0.06
	(0.08)	(0.09)	(0.15)	(0.11)	(0.08)	(0.11)
s(Date)3	-0.01	0.02	-0.08	0.05	-0.02	0.04
	(0.10)	(0.11)	(0.18)	(0.15)	(0.10)	(0.13)
s(Date)4	0.04	-0.08	-0.08	0.14	-0.03	0.01
	(0.10)	(0.10)	(0.17)	(0.12)	(0.09)	(0.12)
s(Date)5	0.05	0.12	-0.03	-0.05	-0.01	-0.08
	(0.09)	(0.10)	(0.16)	(0.13)	(0.09)	(0.11)
s(Date)6	0.10	0.08	-0.06	-0.05	-0.01	-0.06
	(0.10)	(0.10)	(0.17)	(0.12)	(0.09)	(0.11)
s(Date)7	0.04	0.18*	0.01	-0.14	-0.01	-0.07
	(0.10)	(0.10)	(0.17)	(0.13)	(0.09)	(0.11)
s(Date)8	0.22**	0.14	-0.08	-0.16	-0.02	-0.10

	(0.10)	(0.10)	(0.17)	(0.13)	(0.09)	(0.12)
s(Date)9	0.19*	0.25**	-0.08	-0.27*	-0.01	-0.08
	(0.11)	(0.11)	(0.18)	(0.14)	(0.09)	(0.13)
s(Date)10	0.11	0.22**	-0.04	-0.18	-0.03	-0.09
	(0.10)	(0.10)	(0.17)	(0.13)	(0.09)	(0.12)
AGO	-0.11***	0.005	0.23***	0.26***	-0.0003	-0.39***
	(0.03)	(0.03)	(0.05)	(0.04)	(0.02)	(0.04)
AZE	-0.11	-0.008	-0.0008	0.34***	0.15*	-0.38***
	(0.08)	(0.08)	(0.13)	(0.11)	(0.09)	(0.09)
BDI	-0.19***	0.02	0.17**	0.27***	-0.01	-0.25***
	(0.04)	(0.05)	(0.07)	(0.06)	(0.04)	(0.05)
BGD	-0.11	-0.007	-0.01	-0.25	-0.04	0.40*
	(0.19)	(0.20)	(0.31)	(0.23)	(0.16)	(0.21)
BIH	-0.07**	-0.02	0.09*	0.51***	-0.003	-0.50***
	(0.03)	(0.03)	(0.05)	(0.04)	(0.03)	(0.04)
CAF	-0.19***	0.24***	0.31***	-0.01	-0.01	-0.33***
	(0.04)	(0.05)	(0.06)	(0.04)	(0.03)	(0.04)
CIV	-0.14***	0.10	0.23***	0.16**	-0.02	-0.33***
	(0.05)	(0.07)	(0.08)	(0.07)	(0.04)	(0.06)
COD	-0.15***	0.13***	0.20***	0.16***	-0.01	-0.32***
	(0.03)	(0.03)	(0.04)	(0.03)	(0.02)	(0.03)
COG	-0.14	-0.03	0.06	-0.28	-0.006	0.38
	(0.19)	(0.20)	(0.33)	(0.23)	(0.17)	(0.24)
COL	-0.11	0.14	-0.01	0.36*	-0.005	-0.38**
	(0.19)	(0.16)	(0.22)	(0.21)	(0.12)	(0.15)
ERI	-0.17	0.15	0.01	0.25	-0.004	-0.24
	(0.14)	(0.17)	(0.22)	(0.19)	(0.12)	(0.19)
ETH	-0.20***	-0.02	0.29***	0.13**	-0.02	-0.17***
	(0.04)	(0.05)	(0.07)	(0.06)	(0.04)	(0.05)
GEO	-0.16***	-0.03	0.24**	0.24***	0.05	-0.37***
	(0.06)	(0.06)	(0.10)	(0.09)	(0.05)	(0.07)
GTM	-0.12**	0.04	0.33***	0.08	0.01	-0.33***
	(0.06)	(0.06)	(0.11)	(0.08)	(0.06)	(0.07)
HRV	-0.10**	-0.02	0.10	0.48***	0.002	-0.47***
	(0.04)	(0.04)	(0.07)	(0.06)	(0.03)	(0.05)
IDN	-0.18***	0.04	0.47***	-0.11**	0.02	-0.23***
	(0.04)	(0.04)	(0.06)	(0.05)	(0.03)	(0.05)
IND	-0.05	0.42	-0.001	-0.16	-0.0002	-0.21
	(0.22)	(0.30)	(0.31)	(0.25)	(0.16)	(0.28)
IRN	-0.16	-0.13	-0.02	0.48**	0.07	-0.24
	(0.16)	(0.15)	(0.23)	(0.21)	(0.14)	(0.20)
IRQ	0.007	-0.08**	0.16***	0.24***	0.0004	-0.32***
	(0.03)	(0.03)	(0.05)	(0.04)	(0.02)	(0.03)
ISR	-0.22***	-0.11***	0.08**	-0.13***	0.68***	-0.30***
	(0.02)	(0.03)	(0.03)	(0.03)	(0.02)	(0.03)
KEN	-0.15	0.13	-0.02	0.39*	-0.009	-0.35**
	(0.15)	(0.18)	(0.22)	(0.20)	(0.12)	(0.16)
LBN	-0.17***	-0.007	0.26***	0.03	0.20***	-0.32***
	(0.04)	(0.05)	(0.07)	(0.06)	(0.06)	(0.05)

LBR	-0.07*	0.04	0.16***	-0.07	-0.003	-0.06
	(0.04)	(0.04)	(0.06)	(0.05)	(0.03)	(0.05)
LBY	0.20***	-0.04	0.0003	0.12**	0.007	-0.30***
	(0.06)	(0.05)	(0.06)	(0.05)	(0.03)	(0.05)
MLI	-0.16**	0.18**	0.35***	-0.02	-0.01	-0.33***
	(0.07)	(0.08)	(0.09)	(0.06)	(0.04)	(0.06)
MMR	-0.21***	-0.06	-0.02	0.55***	-0.01	-0.25***
	(0.04)	(0.05)	(0.07)	(0.06)	(0.04)	(0.06)
MOZ	-0.10	0.05	0.13	0.04	-0.01	-0.10
	(0.10)	(0.11)	(0.18)	(0.15)	(0.08)	(0.12)
NER	-0.03	-0.02	0.01	-0.27	0.01	0.30
	(0.25)	(0.20)	(0.32)	(0.23)	(0.17)	(0.28)
PAK	-0.09	0.55*	0.001	-0.19	-0.004	-0.26
	(0.21)	(0.28)	(0.31)	(0.24)	(0.17)	(0.28)
PHL	-0.08	-0.007	0.14	-0.25	-0.01	0.20
	(0.20)	(0.21)	(0.34)	(0.23)	(0.17)	(0.27)
RUS	0.38	-0.05	-0.01	0.10	-0.0005	-0.40*
	(0.33)	(0.20)	(0.31)	(0.34)	(0.17)	(0.21)
RWA	-0.09**	-0.03	0.22***	0.21***	0.005	-0.32***
	(0.04)	(0.04)	(0.06)	(0.05)	(0.03)	(0.04)
SDN	-0.21***	0.31***	0.25***	-0.04	-0.007	-0.30***
	(0.03)	(0.03)	(0.04)	(0.03)	(0.02)	(0.03)
SOM	0.14***	0.09**	0.03	-0.05	-0.01	-0.19***
	(0.03)	(0.03)	(0.04)	(0.03)	(0.02)	(0.03)
SRB	-0.09*	-0.01	0.11	0.47***	-0.01	-0.47***
	(0.05)	(0.05)	(0.08)	(0.06)	(0.04)	(0.05)
SSD	-0.28***	0.36***	0.26***	0.02	-0.011	-0.36***
	(0.04)	(0.04)	(0.05)	(0.04)	(0.03)	(0.04)
SYR	-0.12***	-0.14***	0.15***	0.43***	0.01	-0.34***
	(0.03)	(0.04)	(0.05)	(0.04)	(0.02)	(0.04)
TCD	-0.10	0.04	0.26**	-0.10	-0.002	-0.09
	(0.07)	(0.08)	(0.12)	(0.08)	(0.06)	(0.08)
UGA	-0.11	0.02	0.22	0.17	-0.0008	-0.31**
	(0.10)	(0.11)	(0.14)	(0.14)	(0.08)	(0.12)
UKR	-0.12	-0.15*	-0.002	0.48***	0.19	-0.31***
	(0.10)	(0.08)	(0.15)	(0.11)	(0.08)	(0.08)
YEM	0.0002	-0.01	0.05	0.30***	-0.009	-0.33***
	(0.08)	(0.07)	(0.09)	(0.07)	(0.04)	(0.06)
ZAF	-0.02	0.02	0.13	-0.10*	0.09*	-0.11*
	(0.05)	(0.05)	(0.08)	(0.06)	(0.04)	(0.06)

Standard errors in parentheses. *** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$.