## Index

*Note*: Page numbers followed by "n" with numbers indicate foot notes.

Abnormal returns (AR), 30	Aspect-based analysis, 80
Absher, 237–238, 241, 243	Association of South East Asian
Abstractive summarization, 79	Nations (ASEAN), 269
Academia Sinica Bilingual	Associations with groups, 132
Ontological Wordnet	AT&T Transparency Report, 134n7
(BOW-WordNet), 65	Autonomous Key Control, 174
Accountability, 124–125, 206	
Administrative processes, 240	Behavior scores, 74
Advanced computational techniques,	Belarusian socio-political model, 44
4–5	Belarusian information space,
Africa, internet and democratization	49–50
in, 15–20	Belarusians' unity and
"Al Jazeera effect", 12	homogeneous society,
Al-Qaida, 190, 191 <i>n</i> 3	47–48
Albania, digital diplomacy in, 195–197	Constitution of the Republic of
Analytics, 74	Belarus, 45
Big Data, 92, 96	national security, 44–45
predictive, 82	political activity and forms of
text, 76, 79–80	public engagement, 48–49
Android 7.0 Google, 134	political party system and
Angel community, 52	NGOs, 46
Angola, internet and democratization	sphere of state interests, 45–46
in, 16	Big Data (see also Information
Anonymization, 89–90, 97–98, 101	and communication
decision-making framework, 109	technologies (ICTs)), 24,
Anti-migration messages, 150	59, 76, 204
Anticorruption, 6, 165, 168	analytics, 92, 96
ICTs as anticorruption tools,	techniques, 61
162–165	Biometric data, 91–92
Appropriate mathematical	Bitcoin, 172, 179
procedure, 95	BitCoinFog, 177
Arab Spring, 13, 15	Blockchain, 173–174, 176
Arab Spring movements (2010), 191	possibilities of, 180
drivers of, 190	Blogging, 12
Article 29 Working Party (WP29),	Boomer Barons, 132
93–94, 97	Bosnia, digital diplomacy in, 197
Artificial intelligence system, 62	Brexit referendum, 28
Asia-Pacific region, 262	Brexit Twitter network, 30–31, 37

Brokers, //	Communications Assistance for
data, 131	Law Enforcement Act
Budgetary transparency, 165	(CALEA), 134–135
Bulgaria, corruption in, 164	Community
	detection, 77
"Caged" countries, 224	support, 172
Capital flight, 179	Comprehensive sentiment mining
Cascading Style Sheets (CSS), 66	approach, 65
Catching-up, 266, 275, 278	Computational Linguistics, 78
Cause-effect model, 275	Confederação Nacional da Indústria
CCC-rating, 192, 196	(CNI), 210
Censorship, 11	CNI X TBIW data occurrences
Central and Eastern Europe (CEE),	comparison, 214
4, 6, 144	comparison between CNI
recommendations for CEE states,	answers and TBIW
153–155	correspondence, 213
risks to CEE state security, 150,	sample of keywords equivalence
152–153	$TBIW \times CNI, 211$
Russian information war and	Confidentiality, 106
propaganda in, 148–150,	Consent management system, 111–112
151	Constitutional rights, 139
"Champ" countries, 224	Contemporary politics and society
Chief financial officer (CFO), 253	internet and new media actors in
Chief information officer (CIO), 248	Belarus, 50–51
Chinese Network Sentiment	new information and communication
Dictionary (CNSD), 66	challenges, 50
Chinese retaliation to tariff	new social platforms and civil
increment, 31–34	initiatives in Belarus (2017),
Cine ce a promis/Who promised	51–54
what, 167	online communication, 43–44
Citizens, 207	peculiarities of Belarusian social
engagement models, 225	and political model, 44–50
journalism, 13	Contemporary Russian information
Civic issue tracker model, 225	space, 144
Civil activism, 44	Content
Civil initiatives in Belarus, 51–54	lack diversity, 19
Civil society management, 180	virality, 27
Closed circuit televisions (CCTVs),	Control agent, 120–121
115–116, 118, 122	Conventional content censorship, 14
Closed-response types, 136	Conventional media, 32
CNN effect, 12	Cook County of Illinois (USA), 180
Code exchange model, 225	Cookie identifiers, 90
Cognitive ties, 248	Corpuses, 136
Color-coded graphs, 254	Corruption, 162, 164, 214–215
Commonwealth of Independent	reduction of, 241
States (CIS), 265	Cost reduction, 239

"Counter-culture" in CEE, 154	publishers, 110–111
Crime, 120–121	sets, 224
Cryptocurrencies, 6, 172, 174, 178	sharing principles, 228
Cryptographic key management	subject, 89–90, 110
(see also Data protection),	subject consent, 107, 110
174–175	technical issue of data disclosure,
	-
Cultural capital, 224	108–109
Cumulative abnormal returns (CAR),	transit, 134–135
36–38	over wall model, 225
Currency issuance method, 174	Data protection, 107
Cyber Command, 124	to compliance with GDPR, 101–102
Cyber intelligence, 5	legislative frameworks, 82–85
accountability and reforms,	to mitigate risks, 98–101
124–125	obligations, 101
CISA, 116	Decision-making, 163, 165, 191, 205
cyber-surveillance legislation,	virtual currency impact, 178–181
118–119	Degree centrality, 77
literature review, 117–118	Democracy, 10–11
narrative and silence, 119–121	digital, 205
	•
Snowden and debate over US	flawed, 15
cyber intelligence, 121–124	oligarchization of, 152
Cyber Intelligence Sharing and	Democratization in Africa, 15–20
Protection Act, 119	Denial-of-service attacks (DDoS
Cyber terrorism, 5	attacks), 153
Cyber-surveillance legislation,	Denmark, digital developments in, 162
118–119	Deoxyribonucleic acid (DNA), 91
Cyberattacks (see also Data	Department of Foreign Affairs, Trade
protection), 116, 153	and Development, Canada,
Cyberbullying, 139	189–190
Cybersecurity, 121, 123	Department of Homeland Security, 124
Cybersecurity Information Sharing	Detector de Ficha de Político (see
Act (CISA), 116	Politician's Record
Cyberspace, 116	Detector)
Cyberspace, 110	Diffusion patterns of political
Data	content, 24
Data	
brokers, 131	Chinese retaliation to tariff
collection, 65	increment by United States,
concept 102–103	31–34
consumers, 110	context, 28
controllers, 93–95, 110	event characterization, 29
disclosure, 108–110	event studies, 27–28
concerning health, 92	identification of relevant events, 29
management, 76	information diffusion in social
mining, 76, 204	networks, 25
policy, 228	Jo Cox's murder, 34–38
preprocessing, 66	metrics, 30–31
1 1 0,	,

results, 31 Digital activism, 13, 19 Digital Agenda for Europe, 160 Digital communications, 117–118 Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Diplomacy Strategy, 198 Digital Beconomy and Society Index (DESI), 161–162 Digital rednologies (see also Information and communication technologies (ICTS)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primarl Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support, 252–253  Egovernment, 4 economic impacts of project, 239–240 impacts in Saudi Arabia, 237–238 tax collection system, 239 E-Konsullata (mobile application), 196–197 Economic Freedom Index (2017), 278 Economic freedom Index (2017	models, 25–27	E-commerce, 238
results, 31 Digital activism, 13, 19 Digital Agenda for Europe, 160 Digital Communications, 117–118 Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Rosovo initiative, 198 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital single market, 160–161 Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Document frequency (DF), 63 Document-level techniques, 80 Dommule PrimarlDear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
Digital activism, 13, 19 Digital Agenda for Europe, 160 Digital communications, 117–118 Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Nosovo initiative, 198 Digital Patform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 Digital single market, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
Digital Agenda for Europe, 160 Digital Communications, 117–118 Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Economy and Society Index (DESI), 161–162 Digital Rearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document-level techniques, 80 Domunule Primarl Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
Digital communications, 117–118 Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Mosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document-level techniques, 80 Dommule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
Digital democracy, 205 Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (see also Information and communication technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule PrimarlDear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		_
Digital diplomacy, 189–190 cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primarl/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,	•	
cheerleaders of, 199 in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Rosovo initiative, 198 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primarl/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
in context of ministries of foreign affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188  Digital Diplomacy Review, 188, 192, 196–200  Digital Economy and Society Index (DESI), 161–162  Digital Economy and Society Index (DESI), 161–162  Digital platform, 241–242  Digital platform, 241–242  Digital single market, 160–161  Digital technologies (see also Information and communication technologies (see also Information and communication approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Dommule PrimarlDear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,		
affairs, 190–191 country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Dommule Primarl Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
country profiles, 195–200 digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Moscovo initiative, 198 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document-level techniques, 80 Dommule Primarl Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
digital platforms, 194 frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital platform, 241–242 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,	*	
frequency of publishing on social media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Rosovo initiative, 198 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Double-spend attack, 178 Durable top management support,		
media, 195 population and social media penetration, 193 in practice, 192–195 reports, 188 Digital Diplomacy Review, 188, 192, 196–200 Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Rosovo initiative, 198 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Education, 213 factor, 153 Effort justification effect, 249 Egypt, internet and democratization in, 15–16, 19 Emotions (see also Public mood and emotion modeling), 60 mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 European Data Portal, 106 European Data Portection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
population and social media penetration, 193 in practice, 192–195 reports, 188  Digital Diplomacy Review, 188, 192, 196–200  Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162  Digital Media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153 Effort justification effect, 249 Egypt, internet and democratization in, 15–16, 19 Emotions (see also Public mood and emotion modeling), 60 mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EDOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
penetration, 193 in practice, 192–195 reports, 188  Digital Diplomacy Review, 188, 192,		
in practice, 192–195 reports, 188  Digital Diplomacy Review, 188, 192, 196–200  Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Mosovo initiative, 198 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Double-spend attack, 178 Durable top management support,  Egypt, internet and democratization in, 15–16, 19  Emotions (see also Public mood and emotion modeling), 60 mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 European Banking Authority, 179 European Data Portaction Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 European Union Data Protection	• •	The state of the s
reports, 188  Digital Diplomacy Review, 188, 192, 196–200  Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Dommule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		
Digital Diplomacy Review, 188, 192, 196–200  Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule PrimarlDear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Digital Diplomacy Strategy, 198 mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 Evilyation (ER), 79 Ethical behavior, 206 European Data Protection Supervisor (EDPS), 96 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection	-	
Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primarl Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Digital Economy and Society Index (DESI), 161–162 mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
Digital Diplomacy Strategy, 198 Digital Economy and Society Index (DESI), 161–162 Digital Kosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  mining, 59 Encryption (see also Data protection), 101 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 Eurasian Economic Union (EAEU), 273 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
Digital Economy and Society Index (DESI), 161–162  Digital Kosovo initiative, 198  Digital media, 11  Digital Pearl Harbor, 123  Digital platform, 241–242  Digital single market, 160–161  Digital technologies (see also  Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191  Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,		
DESI), 161–162 Digital Kosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Digital Mosovo initiative, 198 mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 Eurasian Economic Union (EAEU), 273 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
Digital Kosovo initiative, 198 Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  mobile devices, 134 Enterprise resource planning system (ERP system), 247 Entity recognition (ER), 79 EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 Eurasian Economic Union (EAEU), 273 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
Digital media, 11 Digital Pearl Harbor, 123 Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224 "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Digital media, 11 (ERP system), 247 Entity recognition (ER), 79 Eurogenition (ER), 79 Eurogenition (ER), 79 European in models, 26 Ethereum, 172 Ethical behavior, 206 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 European Union Data Protection		* /*
Digital Pearl Harbor, 123  Digital platform, 241–242  Digital single market, 160–161  Digital technologies (see also  Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191  Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  Digital tiger (ERP system), 247  Entity recognition (ER), 79  EOS, 172  Epidemic models, 26  Ethereum, 172  Ethical behavior, 206  European Banking Authority, 179  European Data Portal, 106  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Union Data Protection	_	*
Digital platform, 241–242 Digital single market, 160–161 Digital technologies (see also		
Digital single market, 160–161 Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  EOS, 172 Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 Eurasian Economic Union (EAEU), 273 European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		•
Digital technologies (see also Information and communication technologies (ICTs)), 159–160, 224  "Digital tiger", 191 Diplometrics, 190 Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Epidemic models, 26 Ethereum, 172 Ethical behavior, 206 Eurasian Economic Union (EAEU), 273  European Banking Authority, 179 European Data Protection Supervisor (EDPS), 96 European Union (EU), 5  DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection		
Information and communication technologies (ICTs)), 159–160, 224 (EAEU), 273  "Digital tiger", 191 European Banking Authority, 179 Diplometrics, 190 European Data Portal, 106 Dismiss, distort, distract, dismay approach (4D approach), 153–154 European Union (EU), 5 Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,		Epidemic models, 26
technologies (ICTs)), 159–160, 224  "Digital tiger", 191  Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Dommule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  "European Banking Authority, 179  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Union Data Protection		
159–160, 224  "Digital tiger", 191  Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  "EAEU), 273  European Banking Authority, 179  European Data Protection Supervisor  (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services,  160–161  ICTs, 160–161  European Data Protection	communication	Ethical behavior, 206
"Digital tiger", 191  Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  European Banking Authority, 179  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Banking Authority, 179  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  European Union Data Protection	technologies (ICTs)),	Eurasian Economic Union
Diplometrics, 190  Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  Dismiss, distort, dismay European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  European Union Data Protection	159–160, 224	(EAEU), 273
Dismiss, distort, distract, dismay approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services,  160–161  ICTs, 160–161  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services,  160–161  European Data Protection Supervisor (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services,  160–161  European Union Data Protection Supervisor (EDPS), 96  European Union (EU), 5	"Digital tiger", 191	European Banking Authority, 179
approach (4D approach), 153–154  Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  (EDPS), 96  European Union (EU), 5  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Union Data Protection	Diplometrics, 190	European Data Portal, 106
Distributive justice effect, 251 Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  Distributive justice effect, 251 DESI, 161–162 digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection	Dismiss, distort, distract, dismay	European Data Protection Supervisor
Distributive justice effect, 251  Document frequency (DF), 63  Document-level techniques, 80  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178  Durable top management support,  DESI, 161–162  digital single market, inclusion, and public services, 160–161  ICTs, 160–161  European Union Data Protection	approach (4D approach),	
Document frequency (DF), 63 Document-level techniques, 80 Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  digital single market, inclusion, and public services, 160–161 ICTs, 160–161 European Union Data Protection	153–154	
Document-level techniques, 80 and public services,  Domnule Primar/Dear Mr. Mayor, 166  Double-spend attack, 178 ICTs, 160–161  Durable top management support, European Union Data Protection		
Domnule Primar/Dear Mr. Mayor, 166 Double-spend attack, 178 Durable top management support,  European Union Data Protection		
Double-spend attack, 178 ICTs, 160–161 Durable top management support, European Union Data Protection	Document-level techniques, 80	and public services,
Durable top management support, European Union Data Protection		
	_	
252–253 Directive (1995), 82		
	252–253	Directive (1995), 82

Event studies, 27 32	Gagging clauses, 121
adaptation to social network	"Game theory" strategy, 123
analysis, 28	Gazeta (Russian newspaper), 147
event characterization, 29	General Data Protection Regulation
Exchange strategies, 246, 251	(GDPR), 5, 74, 82–84,
Exposure effect, 249	89–90
Extended Technology Acceptance	data protection techniques as
Model, 223	means to compliance with,
Extractive summarization, 79	101–102
,	General Inquirer (GI), 66
Facebook, 24, 53, 59, 61-62, 83, 134,	Generalized autoregressive
165, 194, 198–199	conditional
Feature selection method, 63	heteroskedasticity
Feature weighting method, 63	(GARCH), 30–31, 36
Federal Service for Supervision of	Genetic data, 91–92
Communications, 146	Gephi Twitter Streaming Importer, 29
File-based encryption, 134	Global Competitiveness Report, 227
Financial markets, 58	Global value chains (GVC), 260
impact of ICT and Development	backward and forward
on, 60–61	participation, 276
Finland, digital developments	ICT and, 274–277
in, 162	model of cooperation, 277
First Amendment, 116n2	share of export-added value, 277
51% attack, 178	Google, 62
Flickr, 25, 194, 196, 198–199, 200	Android 7.0 Google, 134
Foreign affairs, digital diplomacy in	NLP, 210
context of ministries of,	server, 135
190–191	Google-Profile of Mood States, 60
Foreign and Commonwealth Office	Google+, 194
(FCO), 190	Governments, 131
Foreign direct investment (FDI), 267	institutions, 207
Foreign Trade Integrated System, 272	sector development, 242
"Forerunner" countries, 224	
"Forward" transactions, 275	Harmonized System (HS), 261
Four-stage model, 224	Herzegovina, digital diplomacy in, 197
Fourth Amendment, 116n2	Homeland Security Act (HSA), 118–119
Fourth Industrial Revolution, 1	Hon Hai Precision Industry
Foxconn Technology Group (see Hon	Company, 67
Hai Precision Industry	HTML tags, 66
Company)	Human Development Index (HDI), 18
Free speech, 10–11, 24	Human dynamics, 25
Freedom of internet, 14	Human trafficking, 139
ICT and democratization, 10–15	Hybrid threats, 144
internet and democratization in	
Africa, 15–20	iCloud (Apple), 135
Freedom of press, 19–20	Identity theft, 132

iDiplomacy, 191	perspective social media impact on
Illegal activity, 139	politics, 208
Import Duty (II), 272	politics and, 2–8
Independent cascades model	role, and size of market, 260-265
(IC model), 26	in Romania, 162
Indirect data provision, 224	value-added in ICT sector, 264
Induced compliance effect, 249	world exports of
Industrialized markets, 268–269	telecommunications and
Industrialized Product Tax (IPI), 272	computer and information
Inequality Adjusted Human	services, 266
Development Index	Information Security Doctrine
(IHDI), 18	(Russia), 147
Information (see also Big Data)	Information security risks
blocking tools, 13	information war concept and
diffusion in social networks, 25	propaganda in Russia,
extraction, 79	145–148
privacy, 106	recommendations for CEE states,
security, 144	153–155
weapon, 146	risks to CEE state security, 150,
Information and communication	152–153
technologies (ICTs), 2, 10,	Russian information war and
57–58, 130–131, 159–160,	propaganda in CEE,
172, 204, 259–260	148–150, 151
as Anticorruption Tools, 162–165	Information systems project (IS
best practices as participatory	project), 245–246
tools in Romania,	politics and political influence in,
166–167	247–251
comparison of continents' creative	top management support, 246–247
industries and share of	two-stage process, 251–255
GNP, 264	Information war, 144
and democratization, 10–15	and propaganda in Russia,
and development, 277–281	145–148
Development Index, 17	Instagram, 59, 70, 194, 196
development path along software	Intelligence Reform and Terrorism
value chain, 279	Prevention Act (IRTPA), 119
difficulties suppliers, 279	Intergovernmental Panel on Climate
employment as share of total	Change, 260
employment, 265	International Labour Organization, 260
in EU, 160–161	International Monetary Fund
features of international market	(IMF), 261
for, 260	International Open Data Charter
goods, 261, 263	(2018), 103
and GVCs, 274–277	International Telecommunication
impact and development, 59–62	Union (ITU), 58
level of competition, 280	International trade, 260, 265

Internet, 10, 24, 149, 159–160	Mass communication, 6, 10-12
in Africa, 15–20	Mass media, 146
in Belarus, 50-51	Mass mobilization, 11, 13, 15
censorship, 13	Media actors in Belarus, 50–51
freedom, 20	Merchandised Product and Service
protocol addresses, 90	Circulation Tax (ICMS), 272
traffic information, 119	Message processing effect, 250
users, 73	Micro-targeting, 75
Voice over IP traffic, 134–135	Microblogging, 12, 32, 59
Inverse document frequency (IDF), 63	Miners, 173–174
Islamic State, 191 <i>n</i> 3	Mining, 173
Italian legislation, 104	emotion, 59
Italian Open Data License, 108	Mobile device, 134
	Mobile internet, 50
JavaScript, 66	Mobile phones, 11–12
	Mobile social media penetration,
k-anonymity, 101	193 <i>n</i> 4
Kingdom of Saudi Arabia (KSA),	Modernity, 117
222, 227	Montenegro, digital diplomacy in, 199
Knowledge discovery from data	Moore's law, 177
(KDD), 76	Morphemes, 78
Kosovo, digital diplomacy in, 197-198	Morphological analysis, 78
	MPLA, 16
1-diversity, 100–101	MySpace, 61
Lag-1, 67	
"Laggard" countries, 224	Naive Bayes (NB), 63
Learning, 242	Nanya Technology Corporation
machine, 63, 80–81	(NTC), 67
supervised, 60, 81	National contact center, 237–238,
unsupervised, 81	241, 243
Legislation, 163	National security, 120–121
cyber-surveillance, 118-119	clauses, 121
Italian, 104	National Security Agency, 121–122, 124
Legitimate interests pursued by	PRISM program, 121
controller, 95–97	National security/terrorist/threat, 139
Linear threshold model (LT model), 26	National Taiwan University
LinkedIn, 59, 194, 197	Sentiment Dictionary
LiveJournal blog, 60, 146	(NTUSD), 65
Local data at-rest, 134	National Transformation Program, 227
	NATO scepticism, 150
Macedonia, digital diplomacy in,	Natural language processing (NLP),
198–199	76, 78, 80, 136
Machine learning, 63, 80–81	morphological and lexical
Market capitalization, 172	analysis, 78
Market penetration, 193n4	syntactic analysis, 78–79

Negativity bias effect, 250	privacy and, 105–106
Netherlands, digital developments	profiling and automated individual
in, 162	decision making, 95
Network (see also Social network)	publishing, 107–110
capacity, 13	set feedback, 226
construction, 29–30	set request, 226
graphs, 76	set specifications, 226
peer-to-peer, 173	status of data controller, 93–95
structural, 24	technical issue of data disclosure,
VPN, 12	108–109
Non-governmental organizations	Open Definition (2018), 103
(NGOs), 12, 14, 46, 155,	Open Government Data (OGD), 7,
166–167, 277	221–222
Non-governmental sector, 155	adherence, 224
Non-profit organizations, 209	evaluation of national OGD
Non-tariff barriers (NTBs), 260,	portal, 227–229
268, 270	facilitators and hindrances in
Non-tariff protections (NTP), 269	re-using datasets, 230–232
North Atlantic Treaty Organization	initiatives, 222
(NATO), 144	portals, 226
(14110), 144	related research, 223–227
Occupy movements (2011), 13, 191	research directions, 233
Oil crisis (2018), 16	social and practical implications, 229
"Oligarchization" of democracy, 152	Open Government License (OGL), 108
One-bit communication devices, 25	Open Government Maturity Model
Online	*
	(OGMM), 188, 195 levels and rankings of observed
communication, 43–44, 51 identifiers, 90	countries, 196
	Open Knowledge Foundation, 103
mobilization, 204	
petition, 52–53	Opinion mining (see Sentiment
OPEC, 27	analysis)
Open data, 102–105	OpinionFinder tool, 60
anonymization and	Organization for Economic
pseudonymization, 97–98	Co-operation and
booklet/guideline, 228	Development (OECD), 261
data protection and, 107	Over-the-top content (OTT content),
data protection techniques, 98–102	134–135
initiatives, 223	<b>B</b> : ( <b>G</b> , ( <b>1</b> : )
legal issue of data disclosure,	Parsing (see Syntactic analysis)
109–110	Participatory open data model, 225
legitimate interests pursued by	Peer-to-peer network (P2P network), 173
controller, 95–97	Personal computers, 261
lifecycle, 110–112	Personal data, 89–90, 107
openness and, 102–105	different types of personal data, 91–93
personal data types, 91–93	relating to criminal convictions
portal of Saudi Arabia, 227	and offences, 92

Personal information, 109, 138–139	Press Agency of Slovak Republic
Personal relationships, 248	(TASR), 155
Pew Research Center, 130 <i>n</i> 2	Prioritatile orașului tau/Priorities of
Pew Survey data, 136	your city, 166–167
Piata de spagal/The bribery market, 166	PRISM program, 119–125, 125
Pinterest, 59	Privacy, 131, 139
Polarity, 138–139	and open data, 105–106
lexicon usage, 66	Privacy Panel Survey, 135
Policy	Project
data, 228	crises, 252
economic, 179	managers, 248–249
social, 43	team members, 248–249
virtual currency impact, 178–181	Protectionism, 267
	*
Policymakers, 206–207	Pseudonymization, 90, 97–98, 101
Political campaigns, 82	"Psychology tricks", 209
future research, 85–86	Public Diplomacy 2.0 initiative, 190
social media and, 74–75	Public diplomacy scholars, 189
Political/politics, 24, 260	Public engagement, 48–49
activity, 48–49	in Belarus, 43–54
attitude's perspective, 205–206	Public management practices, 224
behaviors, 246	Public mood and emotion modeling
choice of political influence	financial news of single company
strategies,, 251–255	and TAIEX prediction, 67
events, 29	ICT, 57–58
and ICT, 1–8	impact of ICT and development,
impact of ICT and development,	59–62
61–62	political news and TAIEX price
ICT's perspective, 208	prediction, 68–69
in IS project, 247–251	research methodology, 65–66
maneuvering, 8, 246	sentiment classification and
news and TAIEX price prediction,	analysis, 62–64
68–69	Taiwan 50 financial news and
parties, 46, 82–85, 207	TAIEX price prediction,
perspectives of social media	67–68
impact, 205	Public mood dynamic prediction
power in, 77	model, 61
service, 58	Public sector information (PSI), 103
stakeholder's perspective,	Public security, 215
206–208	
"Politics 2.0", 73–74	Quality demands, 268
Post-Soviet space, 154	
Poverty, 16	Radio frequency identification tags, 90
reduction, 14–15	Rational persuasion strategy, 246,
Pragmatic economic approaches, 48	249–251
Predator/child pornography, 139	Ratiu Center for Democracy, 167
Predictive analytics, 82	Reciprocal obligation, 251

Rede Globo initiative, 209	e-government in, 237–238
Reforms of cyber intelligence,	social impacts of E-government,
124–125	241–242
Regex algorithm in python, 209–210	specific impacts of E-government,
Reinforcement effect, 251	240–241
Relation extraction (RE), 79	Yesser project in, 238
Remote data at-rest, 134–135	Security (see also Information security
Resource Center for Public	risks), 118–119
Participation, 167	national, 44–45
Resources, 224	public, 215
provision, 247	security-oriented technologies,
"Responsive democratization", 11	117–118
Revolution 4.0, 261–262	Sentence-level techniques, 80
"Revolution" in ICT, 11	Sentiment analysis, 5, 59, 62–65,
Ribonucleic acid (RNA), 91	80, 131
Risk (see also Information security	constructing corpuses, 136
risks)	data transit, 134–135
assessment, 99	encrypting mobile devices, 134
associated with private data,	literature review, 131
132–133	modeling and research findings,
calculus, 118	137–140
to CEE state security, 150, 152–153	privacy, 131
identification, 99	remote data at-rest, 135
in virtual currency, 177–178	research methodology, 136
Romania	research study, 135–136
best practices in using ICTs as	risks associated with private data,
participatory tools in,	132–133
166–167	Sentiment mining (see Sentiment
corruption in, 164–165	analysis)
culture of transparency, 163	Sentiment polarity modeling, 66
ICTs in, 162	Serbia, digital diplomacy in,
RSS Feed, 194, 199–200	199–200
Russia Today (RT), 146	"Seventh sense", 44
Russian information	Shared Key Control, 174–175
landscape, 144	Simple cue effect, 249–250
war and propaganda in CEE,	Slovak Foreign Policy Association
148–150, 151	(SFPA), 154–155
Russian Information Security	Small-and medium-size enterprises
Doctrine, 146	(SMEs), 260
Russian propaganda, 144–145	Smartphone location tracking,
information war concept and,	118
145–148	SMS text messages, 134–135
173-170	Snapchat, 59
Saudi Arabia	Snowden, Edward, 117
case study of Saudi Arabian OGD	and debate over US cyber
Initiative, 227–229	intelligence, 121–124

Social	Stakeholder
capital, 224, 246, 248–249	dialogue, 110
engagement strategy, 246, 249	perspective social media impact on
event studies adaptation to social	politics, 206–208
network analysis, 28	State authorities, 13–14
influence analysis, 77–78	Statistical inferences, 132
interactions, 25	Statistical procedure, 95
mobilization, 14	Stock market trend prediction, 66
movements, 13	Stock price movement, 60
network sentiment, 38	Strategic Communications Centre of
policy, 43	Excellence (StratCom), 155
security number, 132	Subjectivity analysis (see Sentiment
social-economic factor, 153	analysis)
Social media, 4, 7, 58, 61, 138, 149,	Superpanopticon, 116, 118
152–153, 207	Supervised learning, 81
in Belarus, 43–54	Supervised machine learning
ICT impact and development, 59	algorithms, 60
impact on politics, 205–208	Support Scores, 74
mining, 59	Support vector machine (SVM), 63
penetration, 193 <i>n</i> 4	Surveillance, 115–116, 118, 134–135
platform, 63	Sustainable administration, 181
and political campaigns, 74–75	Sustainable Development Goals
as PR tool, 75	(2015), 15, 181
tools, 187–189	SVO triplets, 79
Social media analytics, 74, 76	Sweden, digital developments in, 162
big data, 76	Swedish International Development
community detection, 77	Cooperation framework, 14
data mining, 76	Symbolic capital, 224
machine learning, 80–81	Syntactic analysis, 78–79
natural language processing, 78–79	
predictive analytics, 82	t-closeness, 100–101
social influence analysis, 77–78	Tadawul, 237–238, 240, 243
text analytics, 79–80	Taiwan Capitalization Weighted
Social networking services (SNS),	Stock Index (TAIEX), 61
24–25, 27, 51	financial news of single company
Social networks, 76–77	and, 67
information diffusion in, 25	political news and, 68–69
sites, 59, 165	Taiwan 50 financial news and,
Social platforms in Belarus, 51–54	67–68
Society, 238–239, 241–242	Taiwan Science and Technology
Socio-economic structure	Park, 58
decentralization, 175	Taiwan Semiconductor
Socio-political discourse, 45	Manufacturing Company
Sovetskaya Belorussiya, 50	(TSMC), 67
Speculative investment in virtual	Tariff protection, 268
currencies, 178	Tariff war, USA-China, 23, 29-30

Taxonomy, 92–93	in activity of public officials, civil
Technical and organizational	servants, board members,
measures, 95	163
Technical attacks, 14	in operation supervision, 177
Telecommunications, 134–135	True Blues, 132
Temporal models, 26–27	Trust
Term frequency-inverse document	low, 253
frequency (TF-IDF), 63	in project team, 253
Term presence (TP), 63	Tunisia, internet and democratization
Text analytics, 76, 79	in, 15–16
information extraction, 79	Twitter, 23–24, 26, 31, 53, 59–62, 83,
sentiment analysis, 80	194, 198–199
summarization, 79	
Text mining, 5, 59	UK Anonymization Network
research domain, 136	guidance (UKAN), 109
"The Brazil I Want" initiative	UN Conference on Trade and
(TBIW initiative), 204	Development (UNCTAD),
Brazilian issues, 208–215	261
comparison between CNI answers	UN development goals, 262
and TBIW correspondence,	Unemployment, 15, 210, 215
213	Unified Theory of Acceptance and Use
count of most commented	of Technology model, 223
keywords, 212	United States (US), 116
data gathering, extraction, and	cybersecurity arrangement, 124
handling process, 210	National Security Agency, 119-120
perspectives of social media impact	Universal Declaration of Human
on politics, 205–208	Rights (UDHR), 84-85
sample of keywords equivalence	Uruguay Round of GATT, 268
TBIW $\times$ CNI, 211	US Trade Representative Office
sample of salience result of	(USTR), 28
keyword employment in,	USA-China network construction,
211	29–30
sample of subtitle, 211	User practices, 224
Third Amendment, 116n2	User-generated content, 76
Topological models, 26	
Trade	Value-added tax (VAT), 272–273
barriers to, 265–274	Violation of user rights, 14
international, 260, 265	Viral content, 27
trading volume, 172	Virality, 27
weighted tariffs applied average	Virtual currency, 6, 171–172
tariffs rates in, 269	applications, 175–177
Traditional media, 144	function, 172–175
channels, 206	impact on policy and decision-
Transnational companies (TNC), 261	making, 178–181
Transparency, 104, 177, 205–206, 241	risks and threats, 177–178

Virtual private networks (VPN), 12 Virtual public sphere, 13 Volume, velocity, and variety (3V's of Big Data), 76 Voter engagement, 75 Voting systems, 179 Vulnerability Index, 150 Vulnerability of legal rights, 177

"Weaponization of culture and ideas", 154
Web 2.0, 160
Web traffic, 134–135
Web-based collaborative systems, 215
Webpage mining, 59
WeChat, 59

Western Balkan communicators, 189
Western Balkan Countries, 192–195
WhatsApp, 19, 134
World Customs Organization
Harmonized System, 261
World Health Organization, 260
World Trade Organization (WTO),
8, 260
tariff reductions and increasing
membership, 268

Yesser project, 237–238, 240–241, 243 YouTube, 61–62, 194, 196, 198–200

Zerocash, 177