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

Activism, 114	Application programming interface
Adjusted R-squared values, 145	(API), 122, 143
Age	Archive documents, 28
and ASR participation, 31–32	Avoidance-based strategies, 77
section membership controlling	D. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
for, 33–35	Behavioral advertising, 139
Air Force Research Laboratory	Behavioral economics, 139
(AFRL), 131	Big data, 52–53
AlphaBay, 114	Bitcoin (btc), 135
American Sociological Association	Bitcoin Fog, 135
(ASA), 4, 11–12, 26, 42	Black-hat hackers' crisis information
co-membership matrices, 9	processing
section clusters, 37–38	analysis plans, 123–124
American Sociological Review (ASR),	anonymity and OpSec, 120
26	black-hat research, 114–115
building digital archive, 27–29	crisis contexts, 121–122
multiple section memberships	crisis information processing in
and opportunities for	Darknet communities,
innovation, 35–39	116–118
participation, 29	Darknet black-hat community
participation and section	as hidden organization,
membership controlling for	115–116
age and gender, 33–35	data collection, 122-123
reasons for differences in	Forum "W", 118
participation, 31–33	market information, 120-121
section membership and ASR	overall posting activities, 124–130
participation, 29–30	pseudonymity, 121
section participation in, 29	registration and rules, 118-120
American Sociologist article, 43	social structure, 120
Anonymity, 117, 120	"Black-hat" activities, 114
anonymity-based social	Block, 135
processing, 117	future contact, 90–91
Anonymous social processing, 117, 119	Blockchain, 135
Antagonism toward ex-partner, 87	
Anti-social messages, 117, 125	CakePHP, 135
Anti-social/disinhibition, 119	Cambridge Analytica, 138–139
Anxiety, 116, 119	Campaign slogans, 142

Center for Social Science Research (CSSR), 27	intellectual growth and organizational position, 5–6
(CSSR), 27 Chat, 51	long-term budget worksheet for, 19
Clearnet sites (see Surface-web sites)	membership over time, 31
Clicktivism, 138	non-ASA CITAMS listserv, 15
	partial assessments of impact of
and political participation, 140–141	-
Clicktivist-like actions prediction on	CITASA to CITAMS name
candidates' Facebook posts,	change, 6–11
141, 147–148	planning for section's financial
clicktivism and political	future, 16–20
participation, 140–141	strategic planning, 20–22
data collection, 143–144	Communication acts, 117, 125–126
Facebook in hybrid media system,	Communication and Information
141	Technology Section of
ICTs, 140	American Sociological
methods, 144–145	Association (CITASA), 5,
regression models, 148–149	26, 42
results, 145–147	Community intelligence, 114
voter online engagement, 138–139	CompApps90, 47, 49–51, 54
ways to analyzing political	Competing campaigns, 102
Facebook content, 141–143	"Complete thought" unit, 123
Clustering, 106	Computational methods, 115
algorithm groups vertices, 36	Computer
clustered lattice, 103, 106	hardware and software
clustered ties, 102, 103	development, 49-50
Co-creating digital traces, 81	simulations, 102, 109
Co-memberships, 8	Computer-Assisted Qualitative Data
data, 7	Analysis, 56
Co-sponsoring ASA sessions, 20	Computer-mediated interaction, 54
Cohesiveness, 144	Concealment strategies, 119
Collective Behavior and Social	Connectivity, 51
Movements (CBSM), 7	Constructive activism, 116
Collective problem solving, 117	Contemporary hybrid media system,
Communication, 4, 51	141
on Internet, 53–54	Content analysis, 123
strategies, 138	Content-based dimensions, 144–145
Communication, Information	Coping strategies, 75
Technologies, and Media	Coping strategies for romantic
Sociology (CITAMS), 4,	dissolution, 76–79
27, 42	Coveillance, 88
administration, 11	Creating continuity across years, 20–22
growing CITAMS membership,	Crisis, 114, 116
12–16	contexts, 121–122
improving organizational record	coping, 117, 119
keeping, 11–12	events, 122
KCCPIIIg, 11-12	CVC1110, 122

Index 163

Crisis information processing in	media, 6
Darknet communities,	media stressors, 77
116–118	networks, 101
Crisis Information Processing in	spaces, 67
Hidden Organizations	technology, 6, 66-70
(CIPHO), 115–117, 119	Digitality, 66–68
Crisis management processes, 116	Discretionary section events, 18
Crypto-network, 115	Disk Operating System (DOS), 46
Cryptomarket	Dissemination equality, 100
cryptomarket-based communities,	Distress, 74–76
116	Drinking from fire hose, 52–53
shutdowns, 121–122	
Cyber-adversaries, 114	Eigenvector centrality, 10
Cyber-intelligence database, 122	Email, 51
Cybercriminal Internet Chat Relay	Emotionality, 68
networks, 115	Emotions, 149
	emotion-focused coping, 77, 92
Dark data, 115	emotional expression, 75, 78, 86–88
Darknet, 115	emotional tone, 144
black-hat community, 115–116	ENRON email data set, 54
crisis information processing in	Ensemble instruction, 49
Darknet communities,	Erasing and avoiding digital traces, 81–84
116–118	Escrow, 135
Data	Ethos, 142
analytics, 139	Exit scam, 135
archives and repositories, 51, 53	Experiential processing, 117, 119
generated as part of online life, 54	Exponentiated logistic regression
and metadata from communication	coefficients, 34
on Internet, 53–54	Expressive writing, 86
mining techniques, 115	
Data-driven approach, 4	Face-to-face counterparts, 68
Database system, 122	Facebook, 16, 52, 67, 74, 78, 101, 109,
Defcon, 122	139, 140, 149
Delete Facebook connections, 84	communication regulation, 84-86
Deliberation, 119	digital traces, 82
Democratic potentials, 114	in hybrid media system, 141
Demographics, 27	post types, 142
Depression, 74	Facebook official, 81–82
Diffusion	First-person singular pronouns, 145
disparities, 108	Forum "W", 118, 122
model, 103	Friendship and kin networks, 88
Digital	•
archive, 27–29	Garlic Routing (see Invisible Internet
connectedness, 64–65	Project (I2P)
life, 51	GDELT Project, 145

Gender, 33	data and metadata from
section membership controlling for,	communication on Internet,
33–35	53–54
Global and Transnational and Sex and	data archives and repositories, 51,
Gender co-memberships, 8	53
Global moderators, 120	data collection methods adapted
Global social influence, 102	for Internet, 53
Goal-directed coping, 76–77	data generated as part of online
"Grave-dressing" phase, 77	life, 54
Group information processing, 117	drinking from fire hose, 52–53
1 1	early stages, 47–50
Harel-Koren Fast Multiscale layout	history of section, 42–44
algorithm, 35–36	Internet, 51
Hashtags, 102, 142–143	intersection of history and
Health-related behaviors, 102	biography, 44–46
Hesitators, 103	online life, 52
Hidden organization, Darknet black-	role for researchers, 54-56
hat community as, 115–116	Information-rich environments, 100
"High-stakes" stressor, 75	Institutional memory, 12
Human–computer evolution, 54–55	Intellectual communities, 4
Hybrid media system, Facebook in,	Intellectual enterprise, 4
141	Intellectual growth and organizational
	position of CITAMS, 5–6
Idea Works, 46	Intellectual networks, 27
Identifying membership, 14	Intellectual property, 48
Identity concealment strategies, 117	Intelligence Advanced Research
In-degree centrality, 10, 129	Projects Activity (IARPA),
Independence of cyberspace, 114	131
Individual memberships, 7	Inter-site dark networks, 115
Individual-level membership data, 7, 12	Internet, 44, 51, 67, 78
Inequalities, 106	anonymity, 114
Information	data and metadata from
avoidance, 90	communication on, 53-54
diffusion, 101, 110	traditional data collection methods
needs for information processing,	adapted for, 53
117, 119	Interpersonal coordination, 64
providing, 117, 119, 123, 125, 130	Interpersonal electronic surveillance,
seeking, 88–89	88–89
Information and Communication	Interview schedule, 98
Technologies (ICTs), 101,	Intimacy, 68
109, 139–140	Invisible Internet Project (I2P),
Information technology (IT), 42	115, 135
broad overviews from era, 46	•
connectivity and communication,	JSON-file, 122
51	•
current status, 50	Kruskal–Wallis <i>H</i> tests, 125, 127

Index 165

Laboratory for Applied Expert Systems	National Science Foundation (NSF),
Research (LAESR), 45	26, 44–45
Law enforcement (LE), 135	Negative emotions, 144
Limit or eliminate Facebook use, 85–86	Network analysis, 115, 123–124
Linguistic Inquiry and Word Count	Network hubs, 110
program (LIWC), 144	NewTech89 book, 47
Live-blogging, 67	NodeXL, 35–36
Live-commenting, 67	Non-ASA CITAMS listserv, 15
Live-streaming, 67	Non-content-based dimensions,
Logistic regression analysis of	144–145
participation in ASR	"Noncrisis" category, 124
publication, 34	
Long ties as equalizers, 100, 102–103	Office of the Director of National
discussions, limitations, and future	Intelligence (ODNI), 131
research, 109–110	Online
local and global diffusion patterns	behavioral advertising, 139
in social networks, 103	forums, 118
methods, 103-105	political participation, 140
political incumbents, 100-101	social networking service, 102
results, 105–108	survey software, 53
social network structure, 101-102	Online life, 52
Long-term budget worksheet for	data generated as part of, 54
CITAMS section, 19	Operational security (OpSec),
Long-term budgeting plan, 18	119–120, 130, 132 <i>n</i> 1, 135
	Ordinary least-squared regression
Market information, 120-121	analyses (OLS regression
Market shutdown, 115	analyses), 144
Mass media, 5, 141	Organizational/organizations
Mathematical Sociology score, 11	record keeping, 11–12
Media, 74	sections as, 11
coverage, 145	visibility, 116
systems, 6	Organizations, Occupations and Work
Member-level data, 12	(OOW), 7
Membership committee, 16	Out-degree centrality, 129
Messages and posts/updates, 84	
Methodology Section, 27, 30, 32–36, 39	Paradigms, 27
Microcomputer Revolution, 48	Partial assessments of impact of
Microcomputers, 45	CITASA to CITAMS name
Microcomputing Users Group	change, 6–11
(MUG), 42	Participants, 83
Microsoft Research, 5, 14, 18	Participation
Multimodal network, 128	age and ASR participation, 31–32
Multimodal social network analysis,	CITAMS membership over time, 31
123	gender and ASR participation, 33
Multiple reinforcement mechanism,	reasons for differences in, 31
102	in social media, 78

Pathos, 142	interview schedule, 98
Peer review process, 27	limitations, and future research, 93
Personal narratives, 119, 125	preventative measures, 90–91
Personal pronouns, 142	procedure, 79–80
Personalization, 144	regulating Facebook
Persuasive language, 142	communication, 84–86
PGP-Keys, 135	romantic breakups, 91
Phatic communion, 149	sample, 79
Photographs, 83	support seeking, 88
PMI, 16, 18	Rumor Interaction Analysis System
Political engagement, 138, 140	(RIAS), 117–118
Political incumbents, 100–101	
Political participation, clicktivism and,	Satoshi Nakamoto, 135
140–141	Scanning process, 29
Positive emotions, 144	Science, Knowledge, & Technology
Post-traumatic stress disorder (PTSD),	(SKAT), 7
75	Science of Science, 27
Pretty Good Privacy (PGP), 135	Secretary/Treasurer, 12, 17–18
Preventative measures, 90–91	Section membership, 29–30
Private key, 135	controlling for age and gender, 33–35
Pro-community, 117, 119, 125	Section participation in ASR, 29
Problem-focused coping, 77, 92	Section-co-membership data, 4
Procedural directives, 117, 119	Section's financial future, planning for
Programming, 6	16–20
Pseudonymity, 121	Sections as organizations, 11
Public key, 135	Security concerns, 90
	Seeding
Quasi-simultaneity, 65	asymmetries, 108
	imbalances, 109
Random networks, 106	Seeking support, 88
Rational processing, 117, 119, 125	Self-restraint, 90
Regression models, 143	Silk Road 2 (SR2), 122
Relationship status, 82	Simultaneity, 64–68
Rely on membership data, 4	Skepticism, 45
Researchers, role for, 54–56	Small world, 106
Romantic breakup, 75–76, 79–80, 81	Social
Romantic dissolution	connectedness, 68
coping strategies for, 76–79	institution, 69
data analysis, 80	organization, 69
and distress, 75–76	psychology, 8
emotional expression, 86–88	psychology co-memberships, 8
erasing and avoiding digital traces,	solidarity, 64
81–84	structure, 120
Facebook, 77, 79	synchronicity, 64-66, 70
information avoidance, 90	Social media, 52, 54, 66–68, 138
information seeking, 88–89	adoption, 74

Index 167

Social networks, 77, 91, 100–101, 109 The American Sociologist (TAS), 47 Facebook, 16, 52, 67, 74, 78, 101, The Onion Routing (Tor), 115, 135 109, 139–140, 149 Theory-driven analytic framework, 115 graph, 128 sites, 74 Three-dimensional framework, 117 Time-sensitive applications, 56 structure, 101–102 Twitter, 16, 52, 67, 101, 109 Topic modeling, 115 Social science Tor-hosted forums, 114-115 research, 42-43 Traditional data collection methods researchers, 52 adapted for Internet, 53 Sociologists, 43 Traditional media, 149 Sociology, 20, 35 Traditional political participation, 140 of communication, 5 Trail, 135 evolution, 27 Traumatic events, 76 Sociomental experiences, 65 Twitter, 16, 52, 67, 101, 109 Source credibility, 119 Statistical Package for the Social Uncertainty, 116, 119 Science (SPSS), 144 Unitizing, 123 Strategic communication firms, 138 University of Missouri (MU), 44-45 Structural diversity, 100 US primary election, 139 UserRank algorithms, 115 Structurally diverse networks, 100 Surface-web sites, 115 Utopia, 121–122 Surveillance, 88-89 Videoconferencing, 51 Technical culture, 48 Virtual Private Network (VPN), 135 Technological determinism, 20 Virtual reams of tutorials, 120 Technology-enhanced activities, 68 voIP conversation, 51 Technology-rich society, 70 Voter online engagement, 138–139 Telegraph, 139 Temporal outlook, 144 World Wide Web, 44, 51 Temporal symmetry, 64-67

YouTube, 67

Terrorism recruitment, 109