

INDEX

- Abuse of power, 24
Acceptance approach, 147
Accountability, 125
Advanced Big Data Value Chain for
Public Safety and Personal
Security (AEGIS), 84
Algorithms, 23
American Society for Public
Administration (ASPA), 35
Analogue surveillance in digital world,
178–179
ANOM, 184–188
Anonymity, 39, 204
Anti-apartheid Movement (AAM), 182
Anticipation, 26
Arab Spring, 2
Artificial intelligence (AI), 73–74,
189–191
Australian Federal Police (AFP), 184
Australian National Health and
Medical Research Council
(ANHMRC), 29–30
Autoethnography, 47
Autonomy, 24
emerging demands for, 20–21
Being Covert, 4
Bias, embedding of persistent outliers
and, 61–65
Big Data, 7, 208–209
and ‘datafication’ of society, 72–73
analytics, 62
continuity (or not) of data science
research ethics, 74–75
divide, 81–85
as enabler of growth, 73–74
Governance and Legislation, 85
and its impact on privacy, 75–81
from public sector perspective, 84–85
for public use, 84–85
Big Data Value Association (BDVA), 79
Black box, 63
Bottom-up approaches, 149–151
British Social Attitudes (BSA), 187
British Society of Criminology (BSC),
34
British Sociological Association
(BSA), 31
Bundesverfassungsgericht (BVerfG),
122–123
Capabilities, 133
Capacity of individuals, 19
Care, 10
Care Act 2014, 101
Causation, 56–58, 64
Charter of Fundamental Rights
(CFR), 120
Chemical, Biological, Radiological
and Nuclear weapons
(CBRN weapons), 133
Chicago sociology, 3
Citizen engagement, 26
Closed Circuit Television (CCTV), 22,
124–125, 178
Code of ethics, 42
Coercion, 11
Commercial advertising, 3
Commercial uses of surveillance, 13
Community policing, 22
Community-based approaches, 8,
147–148
Concept mapping, 168
Confidential Human Source, 185
Confidentiality, 33, 39, 97, 163, 204
Confidentiality Advisory Group
(CAG), 101
Confirmability, 171
Confounding variable, 57
Confrontational, 22

- Consent, 31–33, 204 (*see also* Informed consent)
 - research without, 36–37
- Consented/consensual surveillance, 201
- Consenting, 3
- Consumers, 3
- Context, 201–202, 207–208
- Contrived methods, 168
- Control, 10, 31–33
- Corporate espionage, 12
- Corporate practices, 11
- Correlation, 58–59
 - of data, 56
 - predicting future on strength of past, 65–68
- Coventry dilemma, 11
- Covert
 - being, 4
 - studies, 5–6
- Covert observation, 2
- Covert research, 2, 36, 42
 - ‘asking for subjects’ consent, 46–47
 - autoethnography and online research, 47
 - covert method most suitable way of getting into field, 45–46
 - covert research, 48
 - guidance for policymakers on, 205–209
 - guidance for reviewers on, 200–205
 - informed consent, 44
 - informed consent inevitably concerns only initial research design, 45
 - informing subjects, 43–44
 - learned through unintentional covert research, 44–45
 - lying must be exception, 43
 - moderate defence of grounds for, 43
 - overt and covert research not clearly distinguishable, 43
 - radical approach, 48–50
 - researcher chooses to hide identity, 46
 - risk of causing harm with qualitative research, 47
 - superiority of situated ethics, 48
- Covert surveillance
 - of activist groups by undercover police, 178–184
 - by human beings, 178–179
- COVID-19 pandemic, 2, 12, 14
- Credibility, 170
- Crime, 20
 - prevention technologies, 24
- Criminal acts, 34
- Criminal law, 34
- Critical security studies, 146
- Cross-validation, 36
- Cryptography, 24
- Culture of surveillance, 22
- Dark Internet, 21
- Data analytics, 78, 203
- Data collection on people, 59–60
- Data management, 23
- Data ownership, 85–88
- Data processing technologies, 23
- Data protection, 31, 32, 120, 122–123, 125
- Data slippage, 18, 23
- Data sovereignty, 87
- Data tracking technologies, 191
- Datafication, 81
 - of society, 72–73
- Dataveillance, 85
- Deception, 2–3, 6, 206–207
- Deceptive research
 - guidance for policymakers on, 205–209
 - guidance for reviewers on, 200–205
- Decryption, rights and wrongs of, 186–188
- Deductive reasoning, 161–162
- Deductive research, 162
- Deep internet, 21
- Dependability, 171
- Deterrents, 133
- Deutsche Demokratische Republik* (DDR), 121
- Digital ecosystem, 20
- Digital modernity, 19
- Digital recording, 163
- Digital revolution, 20

- Digital technologies, 21
- Digitalisation, 19
- Discrimination, 81–85
- Distrust, 2, 208
- Domestic extremists, 183–184
- Dual use, 24, 133
 - capacity, 133
 - DURC, 139–141
 - framework for defining
 - accountability and responsibility in research, 133–139
- Dual use research of concern (DURC), 133, 139–141
- Due Process, 35
- Duties of researchers, 37–39
- Duty of confidentiality, 34

- Economic and Social Research Council (ESRC), 32
- Economics, 19
- Education, 188–191
- Educational technology (EdTech), 187, 189–191
- Embedding of persistent outliers and bias, 61–65
- Emotional AI, 188–191
- Encryption, rights and wrongs of, 186–188
- End-users, 168–169
- Entitlement, 10
- Equality, 35
- Espionage, 11
- Establishing trust, 169–171
- Ethical engagement, 10
- Ethical grid, 193
- Ethical issues, 178
 - of dual use, 24
- Ethical research, 37–39
 - approach, 162–165
 - in sensitive security domains, 171–172
- Ethical review, 37
- Ethical rules, 29
- Ethics
 - of care, 26
 - challenges, 81
 - of espionage, 11
 - of journalism, 13
 - of monitoring, 11–12
 - review committees, 7
- Ethnicity of students, 59
- Ethnographic methods, 167
- EU Agency for Network and Information Security (ENISA), 77–78
- Europe, privacy in, 119–120
- European Convention on Human Rights (ECHR), 110
- European Data Protection Supervisor (EDPS), 74
- ‘European legal and ethical standards for the protection of citizens’ privacy, 127–128
- European Privacy Association, 80
- European Union (EU), 75, 120
- Evidence-gathering activity, 4
- Exploitation, 11

- Fabrication, 21
- Face recognition in social media, 24
- Facial recognition systems, 14
- Fairness, 35
- False positives, 23
- Falsification, 21
- Financial model, 13
- Focus groups, 167

- Gender equality in science, 26
- General Data Protection Regulation (GDPR), 120
- General practitioners (GPs), 60, 96
- General Regulation on the Protection of Personal Data (GDPR), 76
- German Census Case (1983), 122–123
- German experiences of security agencies, 120–122
- Germany, privacy in, 119–120
- Gestapo*, 120–122
- Google, 38
- Google Classroom, 188
- Governance, 26
 - of education technology in schools, 189
- Government institutions, 150

- Harm, 2, 4
- Harmless surveillance, 10
- Health and Social Care Act 2012, 102
- Health and Social Care Information Centre, 102
- Health data, 60
- Health Protection, 99–100
- Health Research Authority (HRA), 101
- Health Service Regulations 2002, 98–99
- Health surveillance using health data, 96–98
- Health-related surveillance, 94
- Helsinki Declaration, 61
- Hidden bias, 62–63
- Historic data processing, 60
- Human agency, 20
- Human behaviour, 2
- Human dignity, 38, 75–77
- Human factors approach, 166
- Human rights, 33, 38
- Humanitarian space, 146
- Humanitarian workers, 146

- ICTs, 19, 22–23
- Immersive fieldwork, 5
- Inappropriate surveillance technologies, 24
- Inclusiveness, 26
- Incomplete disclosure, 5
- Independent advisory board, 111–113
- Independent oversight, 125
- ‘Individuals’ control over personal data, 75
- Inductive reasoning, 161–162
- Inductive research, 162
- Inequality, 2
- Infiltration, 181
- Inform policy, 208–209
- Information privacy, 31–33
- Informed consent, 36, 44, 60
 - inevitably concerns, 45
- Innovative methodological approaches, 3
- Institutional Review Boards (IRBs), 3, 6, 42, 132, 134, 138–139
- Integrity, 26

- International authorship, 7
- International Data Space Association (IDSA), 87
- Internet, 21, 123
 - environment, 20
- Internet of things (IoT), 124
- Intrusive threat, 160
- Intrusiveness, 7

- Journalism, 13
- Journalists, 4

- Knowledge communicating back to end-users and stakeholders, 168–169
- Knowledge elicitation
 - conducting, 165–166
 - methods, 166–168
- Knowledge management in security, 153–155
- Knowledge of truth, 48

- Language Model for Dialogue Applications (LaMDA), 189
- Large-scale data analytics, 56–57
- Late modernity, 19
- Laundering surveillance, 185–186
- Law and judicial control, 108
 - judicial review, 111
 - limits to ability to scrutinise merits of individual decisions, 109–111
 - room for conflicting legislative purposes, 108–109
- Law enforcement authorities, 21
- Leaky containers, 23–24
- Legality, 61
- Legislation, 61
- Legitimacy, 58–61
- Liberal democracies, 2
- 4 Little Trees, 190–191

- Memorandum of Understanding (MoU), 94
- Metropolitan Police, 181
- Micro-targeting, 13

- Military, 137
- Mixed methods, 162
- Modern civilisation, 39
- Motor insurance policies, 63
- Mutual augmentation, 21

- National Health Service Act 2006, 96
- National Public Order Intelligence Unit (NPOIU), 179–180
- National Security Agency (NSA), 178
- Naturalistic observation methods, 7
- Non-health surveillance using health data, 102–103
- Non-health-related purposes
 - law and judicial control, 108–111
 - social legitimacy of health data
 - sharing through institutional design, 105–108
 - UK legal framework for use of health data, 95–105
- Non-proportionate surveillance technologies, 24
- Non-reactivity, 163
- ‘Notice and consent’ model, 80–81
- Novelists, 4
- Nuremberg Code, 36, 61

- Observation, 5
- Observational methods, 167
- Observational studies, 5
- Oligopoly, 22
- Online research, 47
- Open access to research data and publications, 26
- Operation Trojan Shield, 184–188
- Organisational approaches (*see* Systems-based approaches)
- Organisational research, 31–32

- Patient information, 94
- Persistent outliers and bias, embedding of, 61–65
- Personal data protection, 23
- Personal data space (PDS), 79
- Personal data store approach, 77–80
- Phantom Secure, 184

- Phone interception, 24
- PIAG, 97–98, 101
- Placebo, 3
- Plagiarism, 21
- Policing, 11
- Policymakers, 2, 207–209
- Political advertising, 13
- Political angle, 13
- Political threat, 161
- Politics, 19
- Post-academic research, 19
- Post-modern society surveillance in context of, 18–20
- Preferred approach, 10
- Privacy, 7, 10, 24, 30–31, 120, 122–123, 126–127
 - and current state of technological development, 123–125
 - by design, 78
 - by design and by default, 126–127
 - in Germany and Europe, 119–120
 - information, 31–33
 - limits of, 33–35
 - protection, 23
- Privacy Enhancing Technologies (PETs), 78
- Private investigators, 13–14
- Private sector, 14
- Private surveillance, 13
- Proportionality, 110
- ProPublica, 192
- Public administrations, 19
- Public interest, 105, 204–205
- Public sector, 14
- Public space, 178
- Public sphere, 33
- Purposive sampling, 163–164

- Qualitative research, 7
 - risk of causing harm with, 47
- Quantified self practices, 22

- Radical approach, 48–50
- Recruitment of participants through professional networks, 164
- Reflexivity, 26

- Representativeness, 35
- Research (*see also* Covert research)
- ANHMRC, 29–30
 - approaches, 200–201
 - without consent, 36–37
 - ethical research, 37–39
 - ethics, 26, 133–134, 136
 - governance, 136–138
 - information privacy, 31–33
 - integrity, 135–136
 - limits of privacy, 33–35
 - philosophy, 49
 - privacy, 30–31
 - relationship, 202
 - in sensitive domains, 160–161
- Research Ethics Committees (RECs), 3, 6, 42, 132, 134, 138–139, 141
- Researcher positionality, 208
- Reserved territory, 33
- Responsible Research and Innovation (RRI), 26
- Responsible surveillance, 25–26
- Responsiveness, 26, 35
- Restricting informed consent, 5
- Rights (human), 33, 38
- Rights, 33
- Rights of citizenship, 38
- Rings of steel, 14
- Rules, Expectations & Security
- through Privacy-Enhanced Convenient Technologies Project (RESPECT Project), 23
- Safeguarding participants and researchers, 164–165
- Sanctions, threat of, 161
- Scenarios, 167
- scenario-based modelling, 168
- Science, 2
- education, 26
 - and innovation, 19–20
- Scientific method, 2
- Security, 11, 126–127
- emerging demands for, 20–21
- Security risk management, 146
- approaches to, 147–149
 - conflict between procedures and experience, 151–152
 - field experience, 152
 - knowledge management in security, 153–155
 - top-down and bottom-up approaches, 149–151
 - training, 152–153
- Seedhouse, 193
- Self-surveillance, 22
- Sensitive domains, research in, 160–161
- Sensitive security domains, ethical research in, 171–172
- Sensory power, 191
- Sharing the wealth model, 77–80
- Signals intelligence, 11
- Situated ethics, 202
- Smartphones, 124
- Social cooling, 81–85
- Social costs, 23
- Social costs of surveillance, 18, 22–25
- Social demands, 18, 20
- Social institutions, 19
- Social legitimacy, 94
- demographic information, 105–106
 - of health data sharing through institutional design, 105
 - legislative purpose and (social) legitimacy, 106–108
- Social movements, 121
- Social policy, 34–35
- Social Policy Association (SPA), 33
- Social profiling, 21
- Social Research Association (SRA), 34
- Social sorting, 18, 23, 81–85
- Social subjectivity, 20–21
- Social welfare, 11–12
- Socialisation, lack of, 25
- Socialist Workers Party (SWP), 183
- Societal trust, 22–25
- Sousveillance, 22, 25
- Special Demonstration Squad (SDS), 179, 182–183

- Spy satellites, 12
- Spycops' Scandal
 - analogue surveillance in digital world, 178–179
 - domestic extremists, 183–184
 - issues raised during UCPI, 179–180
 - other harms of undercover surveillance, 181
 - proportionality of political intelligence gathering
 - by undercover police, 182–183
 - undercover surveillance and human rights, 180–181
- Stakeholders, 168–169
- Stanford psychology, 3
- Stasi*, 120–122
- State actors, 25
- State security, 120
- State surveillance, 11, 21
- Stigmatisation and manipulation of
 - civil rights, 77
- Subjectivity of people, 19
- Subversives, 183–184
- Superiority of situated ethics, 48
- Surveillance, 11, 18, 60, 121, 188–191
 - commercial uses of, 13
 - in context of post-modern society, 18–20
 - creep, 18
 - culture, 18
 - design of, 20
 - ethics, 10–11
 - objection, 60
 - of others, 22
 - in private, 12
 - in public places, 11
 - responsible surveillance, 25–26
 - social costs of, 18, 22–25
 - social subjectivity and emerging demands for security and autonomy, 20–21
 - surveillance/function creep, 23
 - surveillance/research distinction, 101
 - understandings of, 21–22
- Surveillance research, 4
 - guidance for reviewers on, 200–205
- Surveillance society, 18
- Surveillance Studies Network, 10, 18
- Surveillance Study Network, 22, 27n2
- Systems-based approaches, 8, 148–149
- Targeting advertising, 13
- Task analysis, 167
- Tearoom Trade* (Humphrey), 47
- Technological surveillance, 178
- Terrorism, 11, 20–21
- Top-down approaches, 149–151
- Training, 152–153
- Transferability, 170–171
- Transparency, 125
- Transparency in evolving world of big data analytics, 80–81
- Treaty of Lisbon, 120
- Triangulation, 36
- Triple helix innovation model, 19
- Trust, 49
 - public, 21, 24
 - social, 18, 24
 - social costs of surveillance and societal trust, 22–25
- Trustworthiness of qualitative data, 169–171
- Twitter, 38
- UK legal framework for use of health data, 95
 - additional requirements, 98–99
 - background and legal context, 95–96
 - disclosure to home office under MOU, 103–105
 - Health Protection, 99–100
 - health surveillance using health data, 96–98
 - non-health surveillance using health data, 102–103
 - surveillance/research distinction, 101
- Undercover police, 178–184

- Undercover Policing Inquiry (UCPI),
 - 179
 - issues raised during, 179–180
- Undercover work, 181
- Undisclosed research, 36
- Unethical *en masse*, 57
- Unethical research procedures, 2
- United Kingdom (UK), 94
- Universal Declaration of Human Rights states, 30
- University recruitment, 62
- US *National Security Agency* (NSA), 122
- US Supreme Court, 14
- Value, 73
- Variety, 73
- Velocity, 73
- Veracity, 73
- Verbal protocol analysis, 168
- Volume, 73
- Voluntary participation, 3
- Vulnerability, 3
- Watchdog, 112
- Welfare (public/social), 11, 67
- Wired*, 186
- Workplace surveillance, 11