CAMBRIDGE

Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

Index

Achen, Christopher and Larry Bartels 133, 139
agency
  space for 97
  in structural injustice 30, 34
Ahmed, Sarah 135, 136
AI Act (2021) (EU) 7, 69, 78
AI companies 83, 84
algorithms 50, 73
  and AI-originated data 82
  credit scores 56
  digitised interviewing 55–56
  US case of *State* v. *Loomis* (recidivism risk assessment) 56
  use in recruitment 54–55
Allen, Danielle S. 83
Amazon
  Mechanical Turk 52
  recruitment algorithm 55
Amoore, Louise 52, 67
anti-sweatshop movement 29
Apple 87
Arendt, Hannah 5
  assertion of guilt 17–18, 47
  automation 62
  on Nazi Germany 17, 18, 23
  pluralistic thought 23
  plurality of humanity 24, 128
  political judgement 23
  political membership 20
  political responsibility 19, 42
  thoughtlessness 22–48, 54, 62
  Young's engagement with 20–42
artificial intelligence (AI) 6–7
  AI-generated harm 53–61
  algorithms 50, 51, 54–56, 82
  'black box' of neural networks 61, 77
  and consequences of structural actions 46
  consolidation of human bias 53
  experts and 152
  generative AI 59
  ground truth 50–53, 83
  and human labour 63–68
  impact on society 62, 76–77, 83
  inability to detect discrimination 58*n*
  and innovation 49
  and liability 6, 68–70, 78, 81–82, 83
  machine learning 6, 51
  opacity 61, 72–79
  and politics 82–85
  racialised understandings of human body 58
  as reductive 54
  'Responsible AI' 50
  software 54, 56, 66
  and structural injustice 59–60
  substitution of human labour 6, 49
  supervised learning 52
  surveillance 83
  UK governance of 68–82
  unsupervised (deep) learning 52, 61
  and voluntary ethical codes 72–79
Attenborough, David 46
automation 62, 64, 65

Barry, Christian 127
  with Kate MacDonald 28–29
Bartasi, Gina 96
Benhabib, Seyla 22*n*
Benjamin, Ruha 58, 150
  criminalization and surveillance 59
Bickerton, Christopher and Carlo Invernizzi Accetti 122
Bild newspaper, and AI 65

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

Bostrom, Nick 99
Brown, Wendy 122
Browne, Jude 93, 95, **161**
  segregation 136
Buchanan, Allen 102
Butler, Judith 53, 119

capture scholarship 123
  cognitive capture 123
  corrosive capture' 124
  'cultural (social) capture' 123
  'economists' capture' 123
  'information capture' 123
care policies 94
causation 25, 28–29, 60, 83
  embedded 34
charity 38
ChatGPT 50, 70
Cheshire, Sally 108
Citizens' Assembly 143, 157
  Irish Citizens' Assembly 144–147
  livestreaming of proceedings 146, 151
  on Social Care (2018) 143
  for speculative thinking 147
civil society, 21, 21*n*
  and anti-sweatshop movement 30
  See also social movements
climate change 46
collective political action 18, 19, 25, 39, 43
  See also social movements
complacency 1
conspiracy theories 59
copyright 70*n*
critical thinking 24, 62
  and thoughtlessness 23

Dahl, Robert 127, 142*n*
Data Protection Act (2018) 76
deliberative democracy 128, 134, 143, 148
democracy 114, 132, 140, 156, 157
'democratization of prudence' 140, 147
Deregulation Act (2015), Growth Duty 112
discrimination 34
  indirect 31, 34
  racial 59
disinformation 59
Djerassi, Carl 8, 101, 118
  egg freezing 86, 90, 97, 115
doctrine 23
Downs, Anthony, 'rational ignorance' 133
Dunn, John 140, 147

duty 36
  imperfect 38
Dworkin, Ronald, theory of justice 38*n*

Edwards, Robert 105
egg freezing, elective (proactive) 8, 86, 87–90, 115–116
  drivers of 90–97
  as employment benefit (multinational companies' policies) 87, 91, 93, 95
  as fertility insurance 88, 90, 96
  processes 88
  social effects of 115
  structural dynamics of 87, 95 *See also* gene editing
EggBanxx fertility platform 96
Enterprise Bill (2016) 111
  Business Impact Target 112
European Institute of Gender Equality 136*n*
European Union
  draft directive (COM 614) 136
  regulation of AI 68–70

Facebook 87, 96
fake news 59
fault-based injustices 12, 14, 16, 30
  AI and 59–60
  establishing causation 25, 60
  imbricated with structural injustices 12, 27, 47
  See also structural injustice
fertility insurance 88, 90, 96
Fishkin, James 134, 147, 151
Floridi, Luciano 50, 62
focus groups 80, 137, 139
'folk theory of democracy' 139
France, national AI strategy 77
Franklin, Sarah 97, 106, 109, 117
Fraser, Nancy 95, 137
  'human waste' 56
  progressive neoliberalism 92
Frey, Carl and Michael Osborne 64

gender equality 92, 136
  workplace 93, 136
gene editing 9, 88
  Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) 98, 108
  heritable 98
  mitochondrial donation treatment (MDT) 107

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

positive-trait gene selection 99–101
pre-implantation genetic technologies (PGTs) 8, 88, 97
somatic 98
gene technologies 1, 97–99
genetic testing 97
regulation. *See* Human Fertilisation & Embryology Authority (HFEA)
General Data Protection Regulation (2016) 68
genetic conditions 102
genetic supermarket 8, 86, 99, 101, 102, 118
'God Trick' 156
Goldman Sachs 91, 95*n*
Goodin, Robert E. 127
Google 50, 53, 87
and regulation 71
Vision Cloud 58
governing technology
political approaches to 7
See also artificial intelligence (AI); Repro-tech; UK government
ground truth 50–53
in training data 53
guilt, Arendt's view of 17–18, 47
Gürtin, Zeynep and Emily Tiemann 96, 103

Habermas, Jürgen 102
Hancock, Matt 79
Harari, Yuval Noah 66
Haraway, Donna 156
Harding, Verity 106, 117
Harries, Lord Harries of Pentregarth 111
Harris, Tristan 59
Haslanger, Sally 96
'choice architecture' 91, 97
Hassan, Katie 102
Hawking, Stephen 67
He Jiankui 98
Heidegger, Martin, 'releasement' from technology 62
Helberger, Natali and Nicholas Daikopoulos 70
Hill Collins, Patricia 14, 129
historical injustices 42
House of Lords
Select Committee, 'AI in the UK' report 71, 77
voluntary AI Code of Ethics 72
human capital 102–103
human diversity 24, 103
See also plurality
human enhancement 102
Human Fertilisation and Embryology Act (1990) 105, 109
Human Fertilisation and Embryology Act (2008) 109
Human Fertilisation & Embryology Authority (HFEA) 9, 104, 105–106
and CRISPR technique 108
funding 113–114, 118
and MDT technique 107
membership 116–117
and public interest 113, 114
remit limited to liability 118
threat of abolition 109, 114
See also Warnock Committee
human rights, imperfect obligations 39
human trafficking 27, 29

imperfect duty 38
imperfect political responsibility 36–39, 43, 151
in vitro fertilisation (IVF) 86, 89, 101, 105
in vitro genetic technologies 86, 108
synthetic embryos 101
in vitro pre-implantation genetic technologies (PGTs) 8, 88, 98
Inhorn, Marcia, *Motherhood on Ice* 87
injustice
forms of 45
intersectional 129
See also fault-based injustices; historical injustice; structural injustice
innovation
AI and 49, 68, 71, 75, 79–80
and economic growth 112
and Repro-tech 106, 109
interest groups, and Citizens' Assembly 145
Irish Citizens' Assembly (*An Tionól Saoránach*) (2016) 144–147
and ban on abortion 144
membership 145
proceedings 145
repeal of Eight Amendment of Constitution 144, 146

Janeway, Bill 66
Judd, Lord 114
Jugov, Tara and Lea Ypi 37, 141

Katz, Cindi, 'human waste' 56
Keynes, John Maynard, 'technological unemployment' 63, 75

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

King, Sir Mervyn 123
Kozyrkov, Cassie 7
  cat algorithmic test 53

labour, human, and technological unemployment 7, 49, 63–68
lay governance 10, 142, 157
  of HFEA 116–117
  and plurality 151
  of public bodies 149, 152–153, 158
  See also mini-public
legal responsibility 18, 46
liability 36–48
  human, for algorithmic judgement 73
  limits of 117–118
liability approach
  to AI regulation 68, 81–82, 84
  care policies 94
  to proactive egg freezing 94
liability model of responsibility 4, 47
  and risk-based approach to AI 71
  Young and 18, 29, 153
liability scale problem 36, 39
liability-based approach 43, 68, 84, 94, 120, 150
liability-based politics 26, 46
Lu, Catherine 42

MacAskill, William 100
McClaren, Anne 106*n*
machine learning 6, 51, 61
  training data for 52
McKeown, Maeve
  critique of Young 29, 30
  structural injustice 29–31
Mansbridge, Jane 130
Marx, Karl, 'reserve army of labour' 66
Maude, Francis, and public body reform 109, 110, 112
mechanism of governance 20
  See also lay governance; mini-public; public bodies; state institutions
Metzl, James 8, 98, 103
Microsoft 6
  and regulation 71
mini-public 142–148, 157
  design 143
  limitations of 147
  livestreaming of proceedings 146, 151
Mitchell, Melanie 66
moral responsibility 18, 38, 44, 46

neoliberalism, progressive 92
Nozick, Robert 8, 86, 88, 101
Nuffield Council on Bioethics 113
Nussbaum, Martha 39, 151
  critique of Young 34–36

Obama, Michelle 15*n*
OECD 49*n*, 74*n*
O'Neil, Cathy 56
oocyte cryopreservation. *See* egg freezing
OpenAI 83
ordinary injustice 19, 24, **160**

Parfit's 'harmless torturer' 32, 33
Phillips, Anne 96, 134, 135, 136
Pitkin, Hannah, political representation 135
plurality
  and descriptive representation 135
  of humanity (Arendt) 24, 56, 128
  and lay governance 151, 158
  plurality of presence 150
  reduction of human capabilities 83, 103
political representation 135
  based in essentialism 135
  'descriptive' 135
political responsibility 154–158, **161**
  action as motivating factor 20
  and collective political action 18, 19, 25, 43
  discretional 37
  imperfect 36–39, 43, 151
  and perception of structural injustice 140
  and public interest 127–133
  transition to 42–48
politics
  and AI 82–85
  diversity in 134, 139
  populist 134
Powers, Madison and Ruth Faden 27–28
pre-implantation genetic technologies (PGTs) 8, 88, 97
  genetic testing 97
private interests, in background conditions of structural injustice 118, 126, 152, 156
proactive egg freezing. *See* egg freezing
public bodies 148–153
  and lay governance 149, 152–153, 158
  membership 149
  mini-public features 149–151
  and mitigation of market failure 132
  and policy recommendations 149
  and public interest 114, 126, 127, 148

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

and regulatory gifting 125
regulatory powers 149
for speculative thinking 150
See also Human Fertilisation & Embryology Authority (HFEA)
Public Bodies Act (2011) 109, 110, 114
public choice, and regulatory gifting 126*n*
public consultation 114, 137, 139
public engagement (political) 133–142
focus groups 139
opinion polls 137–138
public good, public interest and 128
public interest 24
aggregate interpretation 128
AI and 67, 76–77
and political responsibility 127–133
procedural interpretation 128
and public bodies 114, 126, 148
and structural speculation 129, 130
unitary interpretation 128
used as grounds for governance mechanisms 131
PWC, on automation 64

Raskin, Aza, *The Social Dilemma* 58
'rational ignorance' 133
regulation
and innovation 68, 71, 75, 79–80, 109
voluntary ethical codes 72–79
See also UK government regulation
regulatory capture 9, 122
regulatory gifting 124–125, 156
direction of intent 125
political significance 126
public nature of 125
Reiman, Jeffrey
critique of Young 37
imperfect duty 38
reproductive and genetic technologies (Repro-tech) 8–9, 87–90
experts and 152
and limits of liability 117–118
regulation of 9, 104–117
See also egg freezing; gene editing; Human Fertilisation & Embryology Authority (HFEA)
responsibility
liability model 4, 18, 47, 154
social connection model 20, 41
See also moral responsibility; political responsibility
'Risks of Bias Algorithmic Decision-Making' 79–80
'Rosa', story of 35–36, 44
Runciman, David 84, 127, 132, 156

Sandberg, Sheryl, *Lean In: Women, Work and the Will to Lead* 96
Sandel, Michael 102, 128
'Sandy', story of (Young) 15–37, 38
Sangiovanni, Andrea 31–34, 45
liability model of structural injustice 33
Parfit's 'harmless torturer' 32, 33
and Young's social connection model 32, 34
Savulescu, Julian
on HFEA 113
liberal eugenics 98, 100
scamming, using AI 51
Sen, Amartya 39
Shapiro, Ian 131
on mini-publics 148
Sluga, Hans 129, 131
Smith, Adam 14*n*
Smith, Brad 6
social media 58, 140, 157
social movements
Black Lives Matter 122
Extinction Rebellion 122
methods of protest 121–122, 157
and transformative technologies 155
See also civil society
speculation
negative connotation 26
public bodies' commitment to 142, 147, 150, 151
and thoughtlessness 26
See also structural speculation
Spring Fertility company 88
state
AI strategies 49
coordinating power of 2, 10, 122, 155
failure to address structural injustice 121–127
macro-level power of 10, 127
'state capture' 9, 10
state governance
of AI 68–82
and regulation 9, 153
Repro-tech 104–117
state institutions 20, 20*n*, 156
Steptoe, Patrick 105
stories 141

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

structural actions 14, 24, 31, 47, 133
  as indirect discrimination 31, 34
  untraceability 43
structural dynamics 2, 40, 60
  AI algorithms 71, 84
  and governance 103
  of proactive egg freezing 87
  untraceability 4, 155
structural injustice 13–22
  agency in 30, 34
  and AI 59–60, 67, 83, 84–85
  avoidable 30
  background conditions (public and private interests) 118, 126, 152, 156
  connections to individuals, groups and institutions 12, 13, 15, 25
  deliberate 30
  and harms 40, 41
  imbricated with fault-based injustices 12, 27, 47
  interpretations of 3, 13
  pure 30
  remedies 41
  state failure to address 121–127
  traceable liability 5, 12, 28
  untraceability 4, 28, 29, 45
  who benefits from 39–42
  See also fault-based injustices
structural responsibility 45
structural speculation 26, 45, 139, 157
  and public interest 129, 130
synthetic embryos 100, 109*n*

technocracy 122, 130, 132
technological unemployment 63–68
  and education levels 75–76
  Frey and Osborne 64
  Keynes 63
  productivity gains 65
  Winchester 64
thoughtlessness 22–48, 54, 62
  and reliance on AI 62, 63
  and speculation 26
Thunberg, Greta 43–45, 122
  call to action 44
  objectives and method 44
  speech at UN Climate Change Conference 43
total fertility rate (TFR) 90
traceable liability 5, 12, 28
  AI regulation 70, 81–82
transformative technologies 3
  governance of 104, 131, 140, 142
  impact on society 119, 154
  interests at play 10
  regulation of 149
  and social movements 155
  See also artificial intelligence; Repro-tech
Turing, Alan 62

UK government regulation of AI 6, 68–82
  AI Council 81
  Centre for Data Ethics and Innovation (CDEI) 79
  Industrial Strategy 71
  National AI Strategy 68, 81
  non-statutory approach 68, 71, 79–80
  Office for Artificial Intelligence 81
  pro-innovation approach 68, 71, 75, 79–80
  voluntary AI Code of Ethics 72
UK government regulation of Repro-tech 104–117
  See also Human Fertilisation & Embryology Authority
United Kingdom
  Cabinet Office 110
  Efficiency and Reform Group 111
  Declaration on Government Reform (2021) 125
  Department of Health 113, 115
  Ministry of Defence, Defence AI Strategy 72–74
  non-departmental public bodies 104, 110–113
United Nations, and autonomous weaponry 72
United Students Against Sweatshops 29
Universal Declaration of Human Rights 39
untraceability
  algorithmic decisions 61
  of structural dynamics 4, 141
untraceable structural injustice 28, 29

Villani, Cédric 77

Walzer, Michael 129
Warnock Committee 105, 106, 116
  Report (1984) 106
  See also Human Fertilisation & Embryology Authority (HFEA)
Warnock Consensus 106, 117
Warnock, Mary, Baroness 9, 105, 107, 117

© in this web service Cambridge University Press & Assessment www.cambridge.org

CAMBRIDGE
Cambridge University Press & Assessment
978-1-009-44735-5 — Political Responsibility and Tech Governance
AI, Repro-tech and Structural Injustice
Jude Browne
Index
More Information

weaponry, autonomous 72
Webb, Amy 1–2, 82, 155
Weber, Max 14*n*
Winchester, Simon 64
Wolff, Jonathan 13, 40
women
  and recruitment algorithms 55
  and reproduction 92
  See also egg freezing
World Economic Forum, on automation of jobs 65

YouGov 138
  2023 poll 81
Young, Iris Marion
  anti-sweatshop movement 29
  assumption of unity 129
  and duty 36
  engagement with Hannah Arendt 20–42
  liability model of responsibility 4, 18, 27, 28–29, 44
  ordinary injustice 19, 24, **160**
  political responsibility 18, 19, 21, 26, 35, 36
  Responsibility for Justice (2011) 3
  social connection model 20, 32, 41, 133, 136
  and state institutions 20, 20*n*, 121
  'story of Sandy' 15–37, 38
  structural injustice 4, 25, 141
  thoughtlessness 22
  untraceability of structural injustice 61
Yudkowsky, Eliezer 119

Zernicka-Goetz, Magdalena 100
Zheng, Robin 39, 43
Zuckerberg, Mark 85*n*

© in this web service Cambridge University Press & Assessment www.cambridge.org