

Index

Aagaard, Kaare, 4, 38, 119, 120, 140, 141, 174, 177
academia, 2, 4, 5, 7, 9–11, 13, 14, 16, 19, 26, 30, 32,
33, 36, 37, 40–43, 45, 48
community, 3, 6, 10–14, 23, 30, 32, 42, 49, 65,
66, 81, 96, 114, 131, 138, 143, 164, 171, 195
labor, 6–9, 11, 15, 16, 20, 31–35, 40, 48, 56–58,
62, 75, 88, 96, 100
pressure, 143, 148, 163–164, 168–172, 184, 185,
191
profession, 3, 57
publication-oriented, 2, 29, 47, 49, 152, 163,
170, 171, 176
questionable, 16, 160, 161, 163, 165, 167
staff, 25, 26, 53, 81, 113, 128, 139, 144
teaching, 25, 39, 55, 109, 131, 147–149, 151,
163, 167, 175, 195
tribes, 46, 126
accountability, 5, 13, 22, 23, 25, 48, 53, 57, 59, 61,
65, 66, 69, 97, 98, 99, 116, 117, 148, 149,
168, 182, 184
Alexander I, 80
Antonowicz, Dominik, 55, 64, 97, 115, 167
Argentina, 5, 21, 164
political science, 163
Aronova, Elena, 91
article, 2, 50, 81, 83, 105, 124, 133, 141, 143, 144,
149, 151, 161–163, 165, 176, 178–180
co-authored, 37, 158, 181
journal, 3, 31, 34, 37, 56, 80, 102, 104, 113, 115,
118, 119, 121, 132, 134, 137, 149, 165, 167,
168, 170, 172, 177, 187
single-authored, 37, 194
Asia, 110, 133, 154
Audit Society, *The*, 66
Australia, 5, 9, 12, 13, 15, 19, 21–24, 74, 75, 77, 92,
93, 100, 103, 112, 115, 155–156, 174, 176,
185
Backing Australia’s Ability, 22, 117
Engagement and Impact Assessment, 118
Excellence in Research for Australia, 21, 117
government, 111
research evaluation system, 22, 116–118, 183,
184
Research Quality Framework, 21, 117
universities, 22, 116–118
Bal, Roland, 36, 57
Beall, Jeffrey, 161, 162, 165
Scholarly Open Access, 161
Beer, David, 49, 65
Beigel, Fernanda, 24
Belgium, 177
Flemish (Belgian) model, 120
Bellis, Nicola De, 90
Beria, Lavrenty, 70
Bernal, John Desmond, 18, 19, 52, 61, 90
bibliometrics, 68, 100, 105, 108, 110, 112, 125, 129,
186
community, 90, 104
Bonaccorsi, Andrea, 179
book, 119, 131, 152, 153, 161, 166, 181
Festschrift, 32
scholarly, 38, 83, 104, 106, 120, 142, 148, 170,
173, 176, 177
Botswana, 46
Bourdieu, Pierre, 33
Braudel, Fernand, 55
bureaucratization, 15, 25, 52–55, 57, 62, 73, 79, 85
Butler, Linda, 4, 117, 155, 177
Campbell, Donald T., 40, 50, 168
Campbell’s Law, 40, 120
Canada, 5, 103, 129
capitalism, 15, 52, 71, 75, 77, 78, 84, 189
academic, 32, 53, 54, 56, 58, 59
causality, 140, 143
central planning, 5, 18, 23, 51, 53, 57, 71–73, 76, 82,
89, 91–93, 95, 122
Chaskielewicz, Stefan, 87, 92
China, 15, 19, 96, 111, 122, 124, 133, 134, 153, 172,
183, 193
Chinese Academy of Sciences, 124

- China (cont.)
 Chinese journals, 123
 Chinese Science Citation Database, 124, 126
 Chinese Social Sciences Citation Index, 124
 Cultural Revolution, 122
 Double First Class University Plan, 122
 journals, 171
 modernization, 123
 Project 211, 122, 126
 Project 985, 122, 126
 reforms, 123
 research evaluation, 121–124
 citation, 29, 69, 87, 97, 103–105, 119, 189, 190
 international citation indexes, 8, 15, 101–102,
 106–109, 112, 113, 127, 131, 153, 169
 self-citation, 104, 107, 169
 Clarivate Analytics, 6, 56, 100, 104, 107, 124, 126,
 128, 187, 196
 Cobra effect, 40
 Cold War, 18, 77
 communication, 9, 59, 110
 action, 34, 182
 global, 31
 of research, 24, 72, 122, 148, 152, 160, 161,
 165, 168, 170, 186 (*See also* of scientific
 knowledge)
 scholarly, 3, 5–10, 13, 14, 16, 29, 30, 37, 50,
 102, 106, 108, 124, 135, 139, 145, 147–152,
 155, 160, 170, 171, 177, 178, 185, 186, 188,
 191–196
 transformations, 142, 169
 communism, 17, 18, 71, 77
 competitiveness, 21, 37, 38, 53–55, 58, 59, 109, 154,
 177, 190
 conference, 16, 31, 128, 131, 146, 158, 159, 162,
 164, 166, 167
 Connelly, John, 86
 country, 37, 38, 79
 First World, 77
 Global East, 61, 73, 74, 77, 78, 88, 93, 96, 101,
 111, 161, 165, 178 (*See also* Europe, Eastern)
 Global North, 69, 73–75, 77, 78, 82, 84, 88, 92,
 93, 101, 111, 121, 123, 164
 Global South, 74, 77, 78, 88, 101, 111, 161, 165,
 167
 post-socialist, 5, 23, 77, 96, 97, 114, 174
 Second World, 74, 77
 Third World, 77
 underdeveloped, 77
 Western, 6, 13, 15, 19, 73–75, 79, 89
 COVID-19 pandemic, 19, 193
 critique, 4, 10, 11, 49, 50, 51, 57, 84, 87, 103, 106
 Cronin, Blaise, 90, 105
 Curie, Pierre, 17
 Czech Republic, 21, 46, 75, 86, 92–95, 100, 116,
 126, 151, 174, 176, 178
 Charles University, 137, 138
 research evaluation system, 137, 138, 145
 Dahler-Larsen, Peter, 4, 8, 19, 20, 32, 45, 76, 116
 data, 24, 31, 64, 65, 68, 106, 107, 108, 110, 115,
 120, 125, 128, 140, 141, 144, 152, 153, 157,
 177, 178, 181, 187, 191, 196
 bibliographic, 6, 106–108, 178
 bibliometric, 6, 68, 110, 157, 169
 database, 38, 39, 51, 56, 65, 69, 103, 107, 108, 119,
 121, 126, 137, 141, 147, 153, 154, 157, 159,
 163, 169, 170, 176, 177, 187
 Arts & Humanities Citation Index, 103
 Dimensions, 107
 Google Scholar, 107
 JCR, Journal Citation Reports, 103, 130, 157,
 163, 169
 Microsoft Academic, 107
 Science Citation Index, 91, 102, 103, 106, 123
 Scopus, 38, 106, 107, 121, 137, 157, 169, 177
 Ulrichsweb Global Serial Directory, 171
 WoS, Web of Science, 38, 56, 106, 107, 111,
 126, 137, 177
 Denmark, 13, 15, 75, 84, 94, 100, 108, 111, 112,
 119, 120, 133, 153, 170, 174, 177, 178
 BFI, Danish Bibliometric Research Indicator,
 120, 121
 Danish Ministry of Higher Education and
 Science, 121
Discipline and Punish
 discipline, 28, 29, 51, 57, 111, 113
 discipline, scientific, 11, 22, 31, 34–36, 38, 56, 68,
 83, 86, 87, 95, 106, 117, 126, 130–132, 141,
 146, 149, 155, 162, 165, 166, 170–172, 175,
 177, 179, 184, 185, 190, 194
 loyalty to, 31, 35, 36, 147, 156
 Dobrov, Gennady, 23, 61, 88, 90, 91
 DORA, San Francisco Declaration on Research
 Assessment, 187
 Eastern Bloc, 6, 9, 12, 15, 18, 19, 22, 23, 84, 94, 96
 economization, 12–15, 48, 51, 53, 56–60, 67, 73,
 88, 92, 93, 102, 105, 109, 111, 112, 116,
 118, 121, 122, 125, 127, 130, 134–136, 139,
 150–152, 160, 163, 177, 181–184, 186–188,
 190, 191
 definition, 62
 logic of, 13, 16, 54, 55
 neoliberal, 13, 53, 56
 profit margin, 13, 48, 51, 57, 60, 61
 socialist, 61
 economy, 12, 17–19, 58–62, 80, 82–85, 88, 93, 122,
 183, 189, 193
 centrally governed. *See*, centrally planned
 centrally planned, 22
 critical political, 59
 knowledge. *See*, economy, knowledge-based
 knowledge-based, 5, 22, 53, 54, 56–61, 66, 69,
 84, 117
 market, 95–97
 prestige, 50

- Einstein, Albert, 3
 Eisenhower, Dwight D., 71
 Elsevier, 6, 56, 100, 107, 110, 157, 169, 171, 187, 195, 196 (*See also* Scopus)
Engaging Science, Technology, and Society, 170
 Espeland, Wendy Nelson, 4, 33, 40, 52, 58, 62, 63, 65, 109, 111
 Euroasia, 77
 Europe, 19, 31, 83, 93, 108, 110, 111, 118, 129, 130, 133, 137, 153, 177, 178, 184
 Central, 9, 15, 77, 79, 96, 114, 150, 154, 171
 cOAlition S, 153
 Eastern, 9, 15, 77, 79, 96, 114, 150, 154, 171
 EU, European Union, 77
 European Commission, 19, 64, 65, 68, 102, 169
 European Network for Research Evaluation in the Social Sciences and the Humanities, viii, 178
 European Reference Index for the Humanities, 130
 European Research Council, 65
 Western, 12, 15, 75, 79, 96, 127
European Research Studies Journal, 157–160, 167
Evaluating Science and Scientists, 96
 evaluation game, 5, 6, 9, 11–16, 30, 33, 36–41, 43, 45, 71, 89, 100, 129, 136, 139, 143, 146, 156, 157, 182, 185, 195
 adaptation, 176, 179, 182
 conditions, 179
 context, 161
 emergence, 39, 43, 78
 factors, 102
 forms, 43, 72, 101, 121, 133, 135, 136, 155, 165, 171, 175
 players, 39, 43, 46, 128, 138, 139, 144, 155, 157, 160, 181, 185
 playing, 38, 88, 95, 97, 111, 136, 139, 143–146, 155–157, 160, 161, 168–170, 174, 176, 179–181, 184, 185, 192
 evaluation society, 20
Evaluation Society, The, 76
 evaluative power, 9, 13, 15, 16, 32, 33, 35, 40, 45, 46, 95, 97, 101, 102, 106, 108–111, 116, 128, 129, 131, 138, 139, 144–146, 153, 176, 179, 183, 184
 diversity of, 15
 global, 8, 67, 101, 102, 108, 111, 128, 135
 of the JIF, 103, 105
 national, 101, 111
 reactions to, 16, 146, 148, 182, 184
 resistance to, 15, 33, 37, 182
 of the state, 8, 10, 20, 30, 37, 39, 98, 113, 122, 124, 129, 140
 technologies of, 13, 100, 101, 102, 105, 112, 125, 126, 128, 185, 192
 Finland, 13, 15, 21, 84, 92, 94, 100, 111, 112, 119, 120, 121, 153, 178
 Finnish publication indicator, 120
 Fleck, Ludwik, 1
 thought collective, 1
Forum Akademickie, 159
 Foucault, Michel, 26–29, 32, 33, 111
 France, 5, 24, 80, 129
 Revolution, 76
 funding, 19, 21, 23, 24, 38, 41, 48–51, 61, 86, 93, 94, 96, 99, 100, 114, 116, 118–122, 125, 126, 135, 137, 138, 149–151, 176, 182, 189, 191, 193
 allocation of, 22
 block, 19
 centralized, 96, 97
 competitive, 19, 47
 distribution, 93, 99, 100, 110, 112–114, 118, 121–123
 external, 65, 69, 88, 114, 115, 118
 federal, 151
 hybrid, 19
 institutions, 29, 38, 67, 99, 112, 114, 140, 148, 186, 189, 193
 instruments, 95, 151
 internal, 120
 levels, 50, 146
 model, 119, 120, 121
 state, 21
 system, 145, 151, 186
 Galiullina, R. H., 81, 82, 171
 gaming, 14, 97, 139, 143–146
 metrics, 163
 Garfield, Eugene, 69, 90, 91, 103–107
 Gastev, Alexei, 83
 Gläser, Jochen, 68, 83, 151
 globalization, 6, 58
 neoliberal, 73
 Godin, Benoît, 4, 6, 53, 62, 64, 83, 102
 Goffman, Erving, 33
 Goodhart's Law, 40
 Graham, Loren R., 57, 75, 76, 79, 82, 83, 85, 88, 125
 Gran Telescopio Canarias, 3
 Grimm, Stefan, 47–51, 57, 61, 114, 170
Handbook of Science and Technology Indicators, The, 90
 Hazelkorn, Ellen, 53, 109
 Hicks, Diana, 21, 53, 100, 104, 141, 178, 187
 Higgs, Peter, 2, 57
 higher education research, 125, 160 (*See also* higher education studies)
 Hong Kong, 112
 Humboldt, Wilhelm von, 25, 57, 60
 India, 164, 167
 indicator, 4, 8, 20, 21, 23, 24, 32, 39–42, 45, 53, 62, 64–66, 69, 73, 83, 85, 88, 90, 92, 105, 106, 108, 117–121, 125–127, 130, 140, 141, 159, 187, 196

indicator (cont.)

- author impact factor, 105
- bibliometric, 6, 9, 10, 37, 38, 40, 54, 67, 68, 83, 95, 96, 99, 100, 102–104, 106, 107, 110, 112, 113, 118, 119, 121, 122, 125, 128–133, 141, 142, 147, 153, 154, 157, 159, 161, 166, 184, 186, 192, 195, 196
- complex, 87
- composite, 65
- definition, 64
- economic, 126
- Eigenfactor, 105
- Essential Science Indicators, 123
- formal, 126
- game, 33, 57
- global, 127, 175
- h-index, Hirsch index, 126, 130, 187
- JIF, Journal Impact Factor, 15, 83, 99, 102–106, 108, 109, 111, 120, 123, 131, 132, 135, 136, 142, 153, 154, 182, 186–188
- national-level, 174
- non-bibliometric, 131
- objectivity of, 108
- performance, 25, 45, 53, 80, 126
- qualitative, 88
- quantitative, 9, 39, 40, 88, 96, 117, 187
- scientometric, 10, 69, 83, 103, 128, 129
- Source Normalized Impact per Paper, 105
- technology of power, 4
- thinking with, 176, 179
- Total Impact Factor, 105
- WoS, 123
- Innovation Union Competitiveness report*, 64
- institution, 3, 8, 16, 18–20, 25, 27, 28, 31–38, 43–45, 48, 49, 52–54, 61, 64, 65, 69, 80, 84, 85, 95, 102, 104, 105, 107, 132, 134, 136, 139, 141, 144, 146, 147, 150, 151, 153, 155, 157, 162, 163, 166–168, 170, 182–185, 189, 190, 194
- of academia, 2, 7, 38, 109, 150, 168, 193
- control of, 101
- development of, 132
- evaluation, 115, 116
- evaluation of, 138, 187, 194
- funding. *See* funding, institutions
- higher education, 7, 16, 19, 48, 51, 53, 100, 111, 114, 118, 120, 172, 173, 195
- innovation-oriented, 25
- institutionalization, 73
- local, 49, 56, 147, 169, 177
- longue durée, 55
- loyalty to, 31, 34, 35, 147, 152, 156, 160, 166–168, 181, 184
- management of, 49, 175
- performance of, 65
- political, 7, 17, 20, 21, 25, 26, 29, 30, 33, 35, 46, 74
- practices of, 20, 45

- private, 20, 25, 140, 151
- public, 7, 8, 20, 25, 108, 140, 192
- ranking, 6, 109, 110
- research, 4, 17, 20, 34, 50, 59, 60, 70, 73, 86, 88, 94, 95, 97, 103, 114, 125, 139, 151, 169, 173, 192
- scientific, 81, 149, 180
- state, 7, 17, 35, 93
- supranational, 6, 39, 49, 102, 184
- intellectual property rights, 60
- Iron Curtain, 18, 74, 93, 114
- Italy, 13, 21, 24, 92, 94, 100, 111, 129, 130, 153, 167, 180
- citation clubs, 180
- Italian National Scientific Qualification, 129
- Japan, 70
- Jessop, Bob, 6, 50, 53, 56, 58, 59
- Joliot-Curie, Frédéric, 24, 70
- Joliot-Curie, Irène, 17, 24
- journal, 50, 107, 119, 144, 148
 - article processing charges, 165, 188
 - editors, 107, 147, 162, 168
 - evaluation, 185
 - Gold Open Access, 158, 159
 - international, 167, 176, 179, 180
 - list of, 116, 119, 120, 128, 153
 - local, 149, 153, 168, 171, 176
 - new, 128, 152, 153, 163, 165
 - open access, 157, 188, 195
 - questionable, 9, 16, 138, 160, 166–168, 181
 - scientific, 24, 72, 81, 82, 99, 123, 152, 157, 171, 172
 - Scopus-indexed, 133, 137, 138, 177
 - top-tier, 24, 26, 31, 38, 45, 54, 56, 132, 151, 154, 170, 193
 - WoS-indexed, 138, 177
- knowledge, 30, 36, 50, 65, 74, 77, 78, 82, 94, 126, 140, 142, 143, 189
 - expert, 142, 143
 - Power/Knowledge, 28
 - production of, 58–61, 67, 68, 74, 77, 82, 109, 122, 123
 - quantitative, 62
 - scientific, 7, 20, 26, 72, 81
- Kokowski, Michał, 91
- Kolotyrykin, Iakov, 89
- Krzeski, Jakub, 172, 179
- Kuhn, Thomas, 1
 - paradigm shift, 1
- Kula, Witold, 29, 62–64, 67
- language, 34, 49, 58, 119, 160, 176, 178, 179
 - dominant, 16
 - English, 35, 86, 163, 165, 176–179
 - of hierarchy, 89
 - national, 6, 39, 128, 150, 165, 179

- non-English, 35, 104, 176, 178
 - official, 81
- Large Hadron Collider, 3
- Larivière, Vincent, 169, 195
- Laudel, Grit, 68, 83
- Lobachevsky, Nikolai I., 81
- Lucas critique, 40
- Lukes, Steven, 26–29
- Malaysia, 164
- managers, 5, 16, 25, 35–43, 48, 49, 83, 88, 89, 107, 109, 111, 114, 128, 136, 138, 141, 145–147, 150–152, 154, 157, 158, 160, 168, 175, 180, 182, 183, 191, 192
- Manhattan Project, 3, 70
- Marginson, Simon, 57, 59, 117, 151
- market, 59, 171
 - control, 127
 - domestic, 124
 - forces, 71
 - free, 22, 58, 60, 61, 98
 - global, 5, 33, 53, 59, 107, 122
 - higher education, 116, 147, 170
 - labor, 59, 112
 - logic, 52
 - mechanisms, 127
 - neoliberal, 88, 183
 - place in, 54
 - public sector, 58
 - publishing, 148, 153, 163, 169
 - scientific, 177
- Matthew effect, 133
- measure, 11, 21, 29, 39, 62–69, 85, 88, 169, 188
 - ability to, 191
 - balanced, 119
 - construction of, 10, 20, 24, 29, 30, 37, 43
 - form of, 87
 - game, 33, 139
 - history of, 9, 62
 - need to, 92
 - object, 41, 50, 82, 141
 - objectivity, 22, 80
 - performance, 7–9, 42, 44
 - potential of, 184
 - power of, 4
 - of publications, 54
 - reactivity of, 63
 - role of, 14, 62, 120
 - of science, 92, 106, 183
 - use of, 30, 39, 43
- Measures and Men*, 29
- Merton, Robert K., 18, 44–46, 50, 90, 133
- metricization, 4, 15, 48, 51, 53, 56, 58, 65–69, 72, 92, 100–102, 108, 111, 112, 114, 122, 124, 125, 127, 131, 134, 135, 151, 160, 177, 181, 182, 186, 187, 190, 191
 - of academia, 47, 62, 65, 66, 73, 88
 - effects of, 139, 160, 163, 193
 - history of, 189
 - as logic, 54
 - of research, 94, 113, 121
 - rise of, 69
 - of science, 12, 62, 93, 100, 102, 125, 183
- metrics, 22, 23, 48, 53, 54, 62–65, 87, 94, 96, 105, 106, 123, 156, 182, 187, 192
 - altmetrics, 186
 - autonomy of, 68
 - bogus, 161, 162, 166
 - construction of, 108
 - design of, 12, 14, 50, 68, 194
 - determination of, 67
 - faith in, 185
 - fixation, 50
 - following, 160, 168–176, 185
 - forms of, 49
 - global, 124, 126, 127
 - inevitability of, 16, 49, 191
 - influence of, 187
 - objectivized, 69
 - obsession with, 16
 - power of, 20, 48, 191
 - publication, 4, 6
 - reactive, 13
 - rejection of, 189
 - resistance against, 23
 - role of, 69, 80, 102, 111, 122, 127, 131
 - state, 37
 - studies on, 66
 - trust in, 156
 - use of, 11, 51, 65–67, 69, 73, 100, 136, 183, 186, 188, 191
- Mexico, 111, 180
- modernity, 52
 - modernization, 9, 49, 52, 61, 66, 69, 71, 73, 75, 76, 79, 85, 91, 102, 122, 189, 191
 - multiple, 72, 73
 - Westernization, 72, 75
- monetary rewards system, 4, 54, 55, 101, 105, 111, 116, 123, 124, 132–135
- monograph, 114, 115, 119, 137, 138, 142, 150, 151, 177, 194
- Mozdrzeń, Alojzy, 17
- Müller, Martin, 4, 74, 77, 176
- Nalimov, Vassily V., 89–92
- Nature*, 83, 123, 161
 - Leiden Manifesto, 187
- Neave, Guy, 7, 25, 29, 148
- neoliberalism, 51, 52, 56, 58–60, 73, 96
 - logic of, 56
- Netherlands, 19, 46
- New Public Management, 6, 8, 13, 15, 21, 22, 27, 32, 53, 55–59, 65, 66, 69, 76, 80, 92–94, 98, 113, 117, 132 (*See also* managerialism)
 - audit culture, 4, 15, 32, 57, 65, 117
 - imperatives, 33

- Nigeria, 163, 164
 Nobel Prize, 1, 17, 57, 110, 111
 Norway, 5, 13, 15, 21, 75, 84, 94, 100, 111, 112, 153, 174, 176, 178
 Norwegian Association of Higher Education Institutions, 121
 Norwegian model, 118–121
 OECD, Organization for Economic Co-operation and Development, 6, 56, 59, 64, 102, 106
 open access, 153, 159, 162, 163, 188, 196 (*See also* journal, open access)
 Initiative for Open Abstracts, 196
 Initiative for Open Citations, 196
 Open Access movement, 195
 OpenAlex, 196
 Ossowska, Maria, 91
 Ossowski, Stanisław, 91
 Pakistan, 164, 167
 performance-based funding model, 119, 121 (*See also* performance-based research funding system)
 performance-based research funding system, 9, 21, 84, 100, 101, 105, 110–115, 117, 118, 120, 183
 perspective, glonacal, 6, 57, 97, 101
 Peter the Great, 76, 79, 80
 Petty, William, 62
 Poland, 5, 9, 15, 21, 23, 43, 46, 74–77, 84, 86–88, 92–95, 100, 108, 111, 112, 114, 117, 126, 129, 155, 166, 167, 174, 177, 183, 185
 academic promotion system, 101
 central planning, 88
 Communist Party, 17
 Comprehensive Evaluation of Scientific Units, 21
 Congress of Polish Science, 17, 70, 129
 Degrees and Titles Committee, 130, 131
 heritage, 97
 journals, 172
 The Ministry of Science and Higher Education, 138
 Military University of Technology, 158
 National Research Institute, 115
 Polish Academy of Sciences, 17, 86, 92, 114, 115
 Polish Journal Ranking, 115, 157, 158, 165, 167, 172
 Polish model, 120
 Polish People's Republic, 86
 Polish Society for the Advancement of Science and the Arts, 95
 Polish State Committee for Scientific Research, 95, 114, 115
 research evaluation system, 114–116, 129, 136, 142, 157, 159, 160, 167, 176
 Research Excellence Council, 130
 scientific landscape, 18, 24
 Six-Year Plan, 17
 social impact assessment, 115
 socialist government, 174
 Polanyi, Michael, 18, 19, 60, 61
 policy, 179
 advice, 118
 agenda, 9
 aims, 4, 20, 21, 23, 24, 26, 56, 110, 119, 159
 decisions, 23, 26, 67
 designers, 8
 evaluation, 51
 global, 153
 government, 98, 125
 human resources, 41
 implementation, 140
 instruments, 20–22, 24, 28, 69, 77, 78, 91, 112, 120, 133, 140, 141, 143
 makers, 2, 3, 5, 8, 10, 12, 14, 16, 28, 30, 41, 43, 45, 102, 105, 107, 109, 114, 126, 146, 147, 154–155, 157, 165, 167, 168, 170, 182
 officers, 6
 paradigm, 59
 perspective, 168
 priorities, 19
 public, 60, 62, 98, 140, 142, 143
 regimes, 20, 26, 42
 regulations, 26
 science, vii, 4, 7, 10, 13, 26, 27, 55, 56, 60, 65, 71, 83, 84, 90, 91, 124, 127, 140, 142, 153, 165, 169
 social, 62
 state, 7, 80, 119
 statements, 21, 26, 40, 104, 126
 Power, Michael, 4, 57, 63, 65, 66
Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 173
 predatory
 and questionable, 161
 conference, 5, 161, 162, 164
 definition, 161
 journal, 5, 14, 16, 133, 137, 144, 145, 160–166, 168
 publisher, 145, 161, 165
 publishing, 161, 164, 165
 Price, Derek J. de Solla, 3, 69, 90
 Price Award, 90
 publication
 oligopoly, 153
 pattern, 10, 16, 38, 69, 103, 121, 141, 145, 160, 176–178, 180, 185
 publish or perish culture, 2, 5, 15, 49, 53, 56, 57, 138, 142, 163, 170, 183
 salami publishing, 2, 144, 181
 publisher
 journal, 185
 Puerto Rico, 46
 quantification, 4, 16, 52, 56, 58, 62, 63, 67, 72, 79, 114, 168

- ranking
 - game, 34
 - global, 109, 122, 125, 127, 152, 155, 169, 186
 - pressures, 38
- ranking, journal, 22, 103, 105, 117, 121, 166, 172
- ranking, university, 4, 6, 15, 37, 51, 53, 54, 57, 61, 73, 84, 92, 101, 102, 106–112, 135, 147, 151, 154, 155, 167, 169, 170, 175
- QS World University Rankings, 109, 110, 126
- Shanghai Ranking, Shanghai Ranking Consultancy, 6, 109, 122, 126
- World University Rankings, Times Higher Education, 6, 110, 126, 128
- ratchet effect, 42, 43
- rationality, 39
 - political, 27
- research
 - impact, 15, 19, 22, 23, 81, 95, 112
 - output, 114, 115, 142, 147
 - quality, 22, 37, 96, 99, 120, 170
- research evaluation, 5, 10, 51, 66, 68, 69, 102, 106, 152, 165, 166, 187, 189, 196
 - criteria, 174
 - effects of, 4, 5
 - history, 5, 9, 70–97
 - methods, 13, 68, 128
 - national, 104
 - peer-reviewed, 118
 - practices, 174
 - scholar of, 5, 6, 49, 56, 100, 108, 184
 - study of, 12, 21, 38, 65, 118, 160, 183
- research evaluation regimes. *See* research evaluation system
- research evaluation system, 5–7, 9, 10, 13, 16, 20, 46, 49, 51, 53, 100–102, 110, 111, 117, 132, 134, 135, 151, 153, 154, 168, 170, 173, 175–178, 182, 183, 188, 192
 - context of implementation, 8, 12, 21, 23, 38, 39, 41, 44, 52, 55, 100, 139, 170
 - definition, 21
 - design of, 42, 184
 - effects of, 7–9, 11, 28, 44, 45, 53, 131, 139–143, 155, 165, 179, 180, 184
 - global, 7, 45
 - history of, 13, 69, 171
 - incentives, 139, 176
 - national, 5, 7, 9, 10, 21, 45, 99, 100, 110, 112, 118, 151, 152, 155, 156, 165, 166, 183, 184, 186, 189
 - post-socialist, 74, 78, 82, 184
 - resistance to, 24
 - technology of power, 20, 24, 30, 33, 36, 100, 139
 - transformative power, 12
- researcher, 2, 3, 5, 10, 11, 26, 31, 35, 37, 40, 140, 147–150
 - burnout, 11, 50
 - demands, 10
 - individual, 7, 15, 20, 190, 191, 194
 - motivation, 44, 103, 132, 134, 147–150, 185
 - productivity, 76
 - real, 12
 - REFable, 179
 - self-interest, 192
 - work conditions, 26, 36, 58, 129
- Rijcke, Sarah de, 4, 33, 116, 137, 176
- Russia
 - Excellence Initiative “5Top100”, 125
 - Imperial Academy of Sciences, 76, 79
 - Imperial Kazan University, 81
 - Ministry of National Education, 80
 - Revolution of 1917, 76
 - RSCI, Russian Science Citation Index, 125
 - Russian Academy of Sciences, 76
 - Russia’s Scientific Electronic Library, 126
- Sauder, Michael, 4, 63, 65, 109, 111
- Schneider, Jesper W., 4, 120, 140, 141, 176, 177
- science
 - big, 3
 - discovery, 1, 83, 147–150, 190, 193
 - grand societal challenges, 19, 95
 - output, 64
 - republic of, 18, 19, 59
- scientometrics, 12, 62, 68, 69, 95, 125, 128, 186
 - analysis of, 15, 23
 - community, 68, 90
 - founding of, 69, 72, 73
 - history of, 72, 73, 89–92
- Shapin, Steven, 3, 189
- Sivertsen, Gunnar, 69, 84, 118, 119, 123, 177, 178
- Skłodowska-Curie, Maria, 17
- Slovakia, 75, 108, 171, 177, 178
- Social Function of Science, The*, 18
- Socrates, 3
- Sokolov, Mikhail, 9, 76, 80, 82, 96, 125, 126, 127, 171
- South Africa, 111, 133, 164
- South Korea, 133, 134, 164
 - KCI, Korean Journal Database, 126
- Soviet Union, 5
 - Academy of Sciences, 183
 - approach, 126
 - Bolsheviks, 84, 85, 102
 - fall of, 124
 - Gosplan, State Planning Committee, 84
 - ideology, 90, 127
 - legacy, 9, 114
 - organization of science, 124
 - science policy, 174
 - sciences, 125
 - Soviet Academy of Sciences, 76
 - Soviet man, 18, 85, 94
 - Soviet Russia, 69, 76, 84, 88, 93
 - Sputnik, 70, 71, 85
- Spain, 100, 111, 129, 141, 184

- state
 administration, 28, 32, 189
 bureaucracy, 25, 28, 72
 evaluative, 25, 26, 28, 29, 32, 36
 power, 23, 24, 26, 39
 regulations, 26, 32, 132
 Stöckelová, Tereza, 137, 138, 146
 Strielkowski, Wadim, 137–139, 143, 145, 146
 Suits, Bernard, 34, 36
 Suvorov, N. P., 83
 Swinnerton-Dyer, Peter, 99, 113
 Szadkowski, Krystian, 173, 174, 179
- Taiwan, 164
 Taylor, Frederick Winslow, 83
 Thatcher, Margaret, 98–100, 113, 183
 Thatcherism, 98
 Thomson Reuters Corporation, 107, 159 (*See also*
 Thomson Scientific & Healthcare)
 threshold effect, 43–45
 Timofeeff-Ressovsky, Nikolay Vladimirovich, 70
 Triple Helix thesis, 21
 Turkey, 111, 133, 134, 153, 164, 167
 Energy Education Science and Technology, 169
 Tuszko, Aleksander, 87, 92
Tyranny of Metrics, The, 40
- Ukraine, 24, 76, 133
 war against, 127
 UNESCO, 102, 106, 164
 United Kingdom, 5, 12, 13, 15, 19, 21, 23, 24, 46,
 55, 74, 75, 77, 92–94, 101, 105, 111–113,
 115, 118, 129, 151, 156, 174, 175, 179, 180,
 183, 185
 Further and Higher Education Act, 113
 Higher Education Funding Council for England, 99
 Imperial College London, 47, 61
 London School of Economics, 66
 REF, Research Excellence Framework, 21, 51,
 55, 99, 112–114, 179
 REF2014, 105
 Research Assessment Exercise, 66
 research evaluation system, 113
 Royal Society of Edinburgh, 72
 RSE, Research Selectivity Exercise, 99
 University Grants Committee, 99, 112, 113
- United States, 5, 31, 61, 71, 83, 85, 96, 103, 109,
 121, 122, 127, 129, 151, 164, 177, 180, 193
 America's Best Colleges report, 109
 American Association for the Advancement of
 Science, 95
 ARPA, Advanced Research Project Agency, 71
 Institute for Scientific Information in
 Philadelphia, 107
 NASA, National Aeronautics and Space
 Administration, 71
 National Defense Education Act, 71
 National Institutes of Health, 19
 US National Science Foundation, 83, 96
- university
 massification, 114
 mission, 25, 54, 167
 neoliberal, 15, 32, 76
 tenure, 5, 11, 58, 83, 101, 103, 104, 111, 116,
 129, 133, 169, 176, 177
- values, 13, 14, 19, 30, 31, 34, 35, 49, 51–55, 74, 76,
 84, 92, 94, 95, 167, 191
 collective, 7, 12, 30–32, 35, 36, 41–43, 98, 144,
 145, 148, 185
 common, 13
 conflict of, 56
 definition, 52
 economic, 58, 192
 global, 4, 6
 and processes, 52, 53
 in Research Excellence Framework, 55
 neoliberal, 13, 52, 58, 151
 state, 6, 184
- Vavilov, Sergey I., 84, 85
 Vishlenkova, Elena, 81, 82
- Wallerstein, Immanuel, 7, 74, 78, 79
 Weber, Max, 25, 28, 52, 57, 73, 74
 Weigl, Rudolf, 1, 2, 4, 36
 World Bank, 6, 56, 67, 102, 106
 World Federation of Scientific Workers, 17
 World War II, 1, 3, 70, 86
 world-systems approach, 7, 74, 78, 79
 Wouters, Paul, 23, 32, 90, 91
- Znanięcki, Florian, 45, 52, 91