INDEX

Abstraction, 134–137	Always Be Charging (ABC), 41
Accelerated migration, 108	Amazon, 75
Acceleration, 212–213	American Academy of Pediatrics
of change, 114–116	(AAP), 187
correlates of personalization,	American culture, 18
91–97	Answer–response model, 136
mediators, 108–116	Anthropocene, 215–216
moderators of extreme	Anthropomorphism, 20–22
personalization,	Apple Watch, 125
97–108	Argonauts, The, 112
personalization and power,	Arkangel, 43
89–91	Art curators, 200
symptoms of extreme	Assessments, 56–58
personalization,	Assimilation, 231
116–121	Attention Merchants, The, 47
Accommodation, 231	Austerity, 109
Actor–network theories, 177–178	Authentic instruction, 27–28
Adaptation, 32–33	Authenticity, 111
Adaptive learning, 141-142, 221	Autobiographical selves, 217
Adaptive personalization, 2–3,	Automated choices, 72-77
141–142	Automated personalization, 2-3
Agency, 12, 65–68, 166, 211–212	Automated technology, 58
5As of agentic personalization,	Automatic personalization,
86–88	68–72
agentic and automated choices,	Autonomy, attachment,
72–77	authenticity, aesthetics
agentic and automatic	and authorship of
personalization, 68–72	agentic personalization
bi-composition, 67	(5As of agentic
hypothesis, 77-88	personalization), 12,
optimal levels, 81-84	86–88
paradox, 63, 78	Avatars, 71–72
privacy paradox, 84–86	
Agentic choices, 72–77	Behavioral genetics, 36
Agentic personalization, 68–72	Belonging, 166
Alexa, 21, 41	Bioconservatist perspectives, 37
Alternative metaphors, 154–155	Bitmojis, 147
Alternative selves, 217	Black Mirror, 43
*	•

Bloggers, 225	Collective narcissism, 118
Body-related personalization,	"Comic about comics", 76
124–127	Comics, 15
Brain cells, 143	Commercial models of
Bring your own device (BYOD),	personalization, 150
163	Commercial personalization,
Bubble tests, 55	beginnings of, 94–97
	Commercialization, 48
Cambridge Analytica Scandal, 25	Commercially produced
Capital, 104–105	personalized books,
Capitalism, 97–98	191–192
"Capitalism Without Capital", 100	Common Sense Media, 43
Capitalist corporations, 47	Computer as human brain
"Caring and sharing" scheme, 120	metaphor, 151–154
Catharsis, 198–199	Computers act As Persuasive
Child(ren)	Technologies
abilities, 222–223	(CAPTology), 225
assessments and personalized	Congruence between ideal and
education, 56–58	actual "self", 131-134
child-centered education, 27, 78	Constructionism, 138
child-centered media	Context of use, content of activity,
production, 70	children's individual
child-oriented instruction, 28	characteristics
childhood poverty, 110	and traditions of
complexity of personal data,	community (4Cs), 211
59–61	Contextualization, 200–202
data-driven education, 54-56	Contextualized talk, 189-190
extreme amplification, 46-49	Contrast-driven elections, 110
internet for children, 49–50	Conversations, 190, 202-204
making, 29, 32	Coronavirus apps, 84
optimal quantities of personal	Covid-19 pandemic, 117
data, 61–63	Creative making, 71
persuasive design of	Creative writing, 201
technologies, 44–45	Creativity, 70
psychology theories, 8	Customer
quantities of personal data,	choice, 73
50–54	persona, 21
TV programs, 226	Customization, 31–33
use of technologies, 41	Customized products, 3–4
Children's Digital Story Books,	Customized shirt, 30
186–188	Cybernetics, 151
Children's Story Books, 185	•
Choices, 2, 72, 96	Data, 5 (see also Personal data)
"Clan-like" philosophy, 101	colonialism, 11
Coding movement, 71	data-based instruction, 55
Cognitive load, 80	data-driven education, 54-56
Cognitive psychology research, 167	data-free zones, 20
Collective migrations, 108–116	future, 62

Datafication, scale of, 39–41	Disaster selfies, 229–230
Datafied selves, 217	Discernment, 178
Dating apps, 106	Disequilibrium state, 231
Decentralized data servers, 226	Disinterested interest, 215
Decontextualized talk, 189–190	Distance, 183, 214–217
Deep personalization, 19	distancing techniques, 15
"Deep reading" processes, 188	personal resonance, 204–207
Default network, 143	personalized story books,
Density, 123, 213–214	188–192
abstraction, 134–137	stories and narratives, 183–188
adaptive personalization and	Distancing hypothesis, 192
adaptive learning,	contextualization, 200–202
141–142	conversation, 202–204
body-related personalization,	empathy options in relation to
124–127	stories, 197
congruence between ideal and	immersion/identification
actual "self", 131–134	options in stories,
desired difficulties, 137–141	196
extended self theory, 128–129	quadrants of social cognition,
networked self, 130	196
optimal personalization density,	techniques, 199-200
150–155	Drag nets, 26
personalized brain, 143-146	
relational self, 146-150	E-books (see Digital—books)
replicating instead of extending	Early childhood, 26–30
our bodies, 127-128	Ebay, 75
Designer babies, 113	Edtech market, 164
Desired difficulties, 137–141	Education Endowment
Determinism, 8	Foundation, 231
Dialecticism, 204	Education(al), 214
Dialogic learning functions, 173	approaches, 27-28
Dialogical approaches to	futures, 177
education, 14	geneism, 179
Dialogue, 171	genomics, 179
in education, 171–177	meteorological metaphor
Differentiated education, 27	personalization,
Differentiated learning, 3-4	180–182
Difficult transaction model, 73	myths, 167-168
Digital	technology, 162-165
amnesia, 57	EDUCE adaptive educational
books, 186	system, 138-139
detox, 99	Edwardian model of education, 55
information, 39	Effective Pre-school, Primary and
library, 26	Secondary Education
personalization, 3, 5	Project, 228–229
self, 147–149	Enantiodromia, 34
Digitized personal data,	Encoding variability, 59
24–25	Endowment effect, 75

Engaged pluralization, 224	Government regulation, 25-26
Engagement, 169–170	Great Acceleration, 114
Equilibration, 231	Gross domestic product (GDP), 96
Ergodic literature, 199	GSM telephone system, 143
European General Data Protection	
regulation, 25	Handbook on Wealth and the
Everywear, 125	Super-Rich, 105
Expanded selves, 217	Handle technique, 149
Expectancy-value theory, 193	Happiness, 69
Extended self theories, 13–14,	Hawthorne effect, 85
128–129	Historic biases, 54
External body extensions, 126	Hook Model, 44
Extreme personalization (see	Hoped-for possible selves, 132
<i>also</i> Optimal	Human brain-computer analogy,
personalization)	152
moderators of, 97-108	Human teaching, 162–165
symptoms of, 116–121	Human-computer interaction
	(HCI), 219
Face-based personalization, 49	studies, 76
FANG firms, 51	Humankind, 39
Fear of failure, 119	'Hungry Caterpillar' (Carles), 31
Fear of missing out (FOMO), 119	
Fear of other, 109	Ideal self, 132–133, 217
Fictional stories, 200	Identity, 132, 146, 209
Films, 15	chameleons, 113
Finger-Reader TM , 126	IKEA effect, 74
Fitbit apps, 125	Image-based method of word
Forced migration, 108	learning, 149
Fourth Industrial Revolution, 39	Imagination Library, 24
Fragmentation-amplification	In-group empathy (see Parochial
process, 209	empathy)
"Free dating" apps, 106	Individualism–collectivism, 222
Free play, 27	dualism, 17–18
Free will, 224	Individualization, 32–33
FRIENDS program, 229	Individualized education, 27
Future personalized books,	Inequality, 91–97
206–207	Influencers, 47
C (01	Infosphere, 11, 39, 130
Game of power, 91	Innovative edtech, 161
Generation Alpha, 1	"Inspirational" campaigns, 119
"Generation Me", 18	Instagram stars, 47–48
"Generation Wealth"	Intellectual humility, 204
(documentary), 99	Inter-textuality, 200
Gig economy, 52, 102, 105–106	Internal body extensions, 126
Global business travel, 110	Internet, 49
Google, Apple, Facebook and	for children, 49–50
Amazon firm (GAFA	internet of Things, 130
firm), 51	Intuitive system, 205

iPads, 41–42	Moderators of extreme
iPhone, 21	personalization,
IQ test, 221–222	97–108
iRead system, 221	Montessori Method, 28
	"More is better" model, 51, 53, 58,
Jacob's ladder of motivation, 167	61–63, 96, 210
Jellies App, 29	Multi-dimensionality of
Juxtaposed learning, 175	personalization, 17
	Multimedia, 39
Kidfluencers, 48	multimedia/literacy choices, 73
Kloneworld™, 127	stories, 71–72
Knowledge building community	
systems, 174	Name Jar, The (Choi), 23
Knowledge Forum, 175	Name-based personalization,
,	22–24, 49
"Labor-saving" technologies, 90	Name-effect, 22
Layers, The, 130	Narratives, 183–188
Learning, 134, 138–139	Nature and nurture in "self",
Lego, 74	36–38
Literary novels, 15	Nearby-hand hypothesis, 170
Live literacies, 73	Neoliberal capitalism, 97–108
Localization, 31	Netflix
LOGO robot, 160	for films, 102
,	netflix-inspired commercial
Maker Movement, 29	model, 11
Market economy, 98	netflix-inspired personalized
Market society, 98	education, 54
Martin's hypothesis, 59	Networked self, 13-14, 130, 217
Mastery learning, 163	Neurodiversity movement in
Match. com, 228	education, 77
Me Books TM app, 192	Neuroimaging studies, 143
"Me Generation", 9	New global nomads, 111
"Me Mobiles", 9	New literacy studies, 177–178
Me Too movement, 100	New media humanism, 11-12
Mediators, 108–116	Newtonian determinism, 9
Medicine, 142	"No means no" messages, 61
"Mere ownership" effect, 75	Non-digital personalization, 3
Meritocracy, 97–108	Non-personalization, 30–33
Meteorological metaphor	Non-transparent algorithm, 100
personalization,	Novelty, 170
180–182	•
Meteorology measurements, 181	Observational studies, 42
Migration, 108	Online platforms, 132–133
Millennials, 11	Open-ended apps, 176
Mind-wandering, 143	Open-ended design, 74–77
Minecraft, 28, 74	Optimal personalization (see
Mister Rogers' Neighborhood, 229	also Extreme
Mobility, 107, 115	personalization)
** *	. ,

alternative metaphors, 154-155	Personalization and pluralization
for children, 20	(P–P), 14, 227
computer as human brain	balance, 34–36, 38, 81–82, 209,
metaphor, 151–154	216–217
density, 150	curriculum, 170–171
Oral story-telling, 15	design solutions, 50, 140
'Others', 171	Personalized algorithms, 50
Out-group empathy, 194	Personalized anonymity models,
Ownership, 23	220–221
	Personalized assessments, 159-162
PAD emotions, 225	Personalized books, 9, 191–192
Paradox of choice, 72	Personalized brain, 142-146
Parochial empathy, 193-195	Personalized design, 28-30
Peer review of information, 46	Personalized donor-recipient
Personal confusion, 116	matching, 124
Personal data, 7, 11	Personalized education, 2, 10,
complexity, 59-61	27–28, 56–58, 69,
economy, 1	158–159
optimal quantities, 61-63	Personalized figurines, 127–128
quantities of, 50–54	Personalized gifts, 2
Personal knowledge, 220	Personalized healthcare, 95
Personal migrations, 108–116,	Personalized learning, 3, 27, 230
111–114	Personalized life hacks, 71
Personal possession, 220	Personalized medicine, 2, 7
Personal resonance, 204–207	Personalized mnemonics, 149–150
Personalization, 2, 4, 9, 17, 30–31,	Personalized news, 2
44, 89–91, 146,	Personalized online world, 150
166–170, 188	Personalized shirt, 30
applications, 10	Personalized space, 104–108
based on diverse personal data,	Personalized story books, 188
24–26	commercially produced
commercial and educational use	personalized books,
of, 19–20	191–192
correlates, 91–97	shared book reading, 189–191
and early childhood, 26–30	Personalized time, 100–103
educational approaches to, 2	Personalized treatment, 126
effects on consumer behavior, 7	Personification, 20–22
name-based personalization,	Persuasive design of technologies,
22–24	44–45
nature and nurture in "self",	Physics analogy, 9
36–38	Pinwheel self, 216
personalization–inequality	Play, 135
relationship, 96	Playful curriculum, 28
revolution, 114	Pluralization 10, 33, 34, 166, 168
revolution, 13	Pluralization, 10, 33–34, 166–168 Plutocratic capitalism, 98
revolution, 94 techniques, 3	Polyphony, 35–36
theory of, 1–2	Pop-up selfie museums, 148
incory or, 1–2	1 op-up seme museums, 140

PopJam, 28	Screen-space, 104
Population, 46	Scribblitt, 185
Portable self, 111	Scribd, 102
Positionality, 100	Self, 1, 10, 18, 26, 61, 123, 129,
Post-Millennials, 11	172 (see also Relational
Power, 89–91	self)
Precise personalized medicine	Self-actualization, 37
model, 179	Self-determination, 71, 166
Pretend play, 135	Self-distanced talk, 203–204
Printing, 39	Self-efficacy, 66
Privacy paradox, 84–86	Self-esteem, 66
Private Life of the Brain, The, 143	Self-image, 66
Programmatic pluralization,	Self-presentation theory, 131
139–140	Self-reference effect, 7, 131
Psychographics, 124	Self-referential
Psychometrics, 124	information, 131
Public education system, 233	speech, 7
	talk, 203–204
Quantities of personal data, 50–54	Self-regulation, 66
Quantity of digital data, 39	Self-relevance, 205
children's use of technologies,	Self-representation, 71
41–63	Self-talk, 135
scale of datafication, 39-41	Self-worth, 66
Quantum physics, 8–9	Selfies, 147–149
	generation, 18
Randomized controlled trials	Self-other distance in texts, 15
(RCTs), 233	Sequence, 157, 214
Rasas, 206	dialogue in education, 171-177
Reactive design, 29–30	educational futures, 177–182
Reading stories, 15, 183	educational technology $vs.$
Real self, 132	human teaching,
Reality, 21, 100	162–165
Reciprocity, 166	myth, 14, 168-170
Reflective cognitive system, 205	personalization vs.
Relational self, 146, 217	pluralization, 166–168
personalized mnemonics,	personalized and standardized
149–150	assessments, 159–162
selfies, 147–149	personalized vs. standardized
theories, 13–14	education, 158-159
Relativism, 8	P–P curriculum, 170–171
Remediation, 222	Shared book reading, 189–191
Remembered self, 154	Sharing economy, 102, 228
Responsive design, 29–30	Shelfies, 147
Ressentiment, 118	Skylanders, 28
Ruling capitalist class, 90	"Slow down" movement, 120
	Slow TV, 229
Satellites, 180	Small Basket of Happiness, 154
Screen time, 103–104	Smart toys, 136–137

Snapchat, 28	Uber economy, 102
Social cues, 69	Ultra-personalization, 19
Social cultural developmental	"Ultra-personalized" body
theory, 154	extensions, 127
Social proof, 46	Unbound selves, 217
Social robots, 69	Unboundedness of online self, 129
Society of The Spectacle, The, 99	Uncanny Valley Theory, 79-80
Socio-cultural education, 219	Uncertainty (see Personal
Socio-cultural learning theory, 172	confusion)
Spotify for music, 102	Unfair algorithm, 100
Standardization, 96	Universal design, 77
Standardized assessments, 159-162	US tattoo industry, 127
Standardized education, 158-159	User profiling, 70
Sterile practices, 53	Usie, 147
Stories, 15, 183–188, 234	Utility value interventions, 193
Story-telling curriculum (Paley),	
68	Video production, 71
StoryBird, 185	Violence, 109–110
StoryJumper, 185	Virtual reality (VR), 16, 133
Student-focused instruction, 28	researchers, 134
	Visual communication, theory of,
Targeted online services, 223	224–225
Tattoos, 126–127	Volition, 71
Technology, 223	Voter nostalgia, 120
in children's lives, 41	
determinism, 168	Weather radars, 180
developers, 29	Web 2. 0, 2, 132, 152
technology-driven personalized	Web 3. 0, 152
education, 164–165	WeNeedDiverseBooks, 185
technology-free kindergartens,	Western acceptance of
41	individualistic values,
technology-free zones, 20	99
Template-based apps, 176	Western democracies, 110
Test-oriented education, 159	Western education ideals, 162
Testing Charade, The, 158–159	Wiki walking, 188
Theory of diversity, 59	Word-learning technique, 149
Three-dimensional space, 11	Wordpress blogging site, 225
ToyTalk Ltd., 224	Writing, 39
Traditional institutions, 110	
Transactional model, 36	You-Tube
Transhumanist perspectives, 37	algorithm, 41
Transitional objects, 20	entrepreneurs, 47–48
Transparency, 83	
True selves, 132, 217	Zone of proximal development,
Twitch, 29	172