INDEX

Ability, 24 Academic achievement, 127	Artificial intelligence (AI), 17, 90, 92, 183–184,
Accuracy	188
face recognition, 74–75	AI-powered talent
of video interview	algorithms, 30
algorithms, 73–75	algorithms, 98
video interviews, 66–75	to assessment and
voice recognition, 74–75	recruitment,
Adverse impact, 37–38	161–162
extensive adverse impact	ethics framework,
testing, 68	155–156
of video interview	in future of recruitment,
algorithms, 73–75	32
Agreeableness, 28–29	GPS navigator, 161–162
Algorithmic analysis of	models, 74–75
video interview	in recruitment, 147
assessments, 69–70	talent assessment in age
Algorithmic fairness,	of, 30–35
57–58	Artificial neural network,
Algorithmic HR, 38–41	127–128
Algorithmic responsibility,	Assessment algorithms,
40–41	40
Algorithms, 35–36, 51–52	Automated assessment
Amazon, 162–163	system, 56
Ambition, 24, 159–160	Automated coaching and
Anonymity, 153–154	development, 103
Anthropogenic disasters,	Automated scoring
148	algorithms, 59-60

Automation technology, 18–19, 188 Bag of words approaches, 60–61 Balloon Analogue Risk Task, 130–131 Behavioral observations, 67–68 BetterUp company, 103 Biases, 26 of assessments, 176–177 and discrimination, 105 outcome, 161–162 social desirability, 128–129 Bidirectional Encoder Representations from Transformer (BERT), 62–63 Big data, 33 Big Five personality traits, 58–59, 94–95, 128, 131–132 Biodata, 26–28 Biographical data, 27 Black box algorithms, 37–38 Black Mirror, 11 C-Suite, 22 Cambridge Analytica scandal, 104–105 Candidate evaluation of, 54	game-based assessments, 99–100 interviews and, 66 rebalancing relationship between employer and, 186–187 reliability, 71–72 social media profiles, 31 Careers, 2 advice, 180 benefits for, 20–21 career-related self-awareness, 12–13 choices, 1–2 evolution in, 3–4 fulfilling, 179–180 ideally, 2–3 success, 173–174 Classic I-O tenet, 23 Clinical impairment, 127 Cognitive ability, 176–177 game-based assessments for measuring, 124–128 predicting real world outcomes using cognitive ability game-based assessments, 127–128 tests, 122–124, 176–177
-	

digital forms of, 96-97	hiring manager, 53
external, 149–151	human bias effect in,
human, 63-64	175–176
Competencies, 58, 69, 74	monitoring and
Computational	adjusting, 57-58
psychometrics,	Deeper Signals company,
51–53	103
Computer scoring of video	Demographic signals,
interviews, 56	151–153
Confidentiality, 153-154	Digital footprint, 93-94
Conscientiousness, 24,	Digital footprint-powered
28-29	talent assessments,
Content validity, 68-69	95
Context in natural language	Digital interviews. See
processing, 62–63	Video interviews
Convergence, 6	"Digital nomadism", 21
Convergent validity, 68,	Digital panopticon,
70–71	104–106
Coring methodology, 27	Digital platforms and
Correlations, 70–71	devices, 31
Counterproductive work	Digital records, 101-102
behaviors, 19–20	Digital records of
Covid-19, 21	recruitment, 32
Culture fit, 4–5, 98–99	Digital services,
improving diversity and,	advancements in, 90
101–102	Digital talent signal mining
CultureAmp, 99, 102	advancements in
CultureX, 99	technology and
Cyborgs, 148	digital services, 90
Data protection, 153–154	connected technologies,
Data revolution, 18, 22, 24,	89
31–34, 40–41	digital panopticon,
Data science revolution, 8	104–106
Data-driven assessments,	ethical risks and
37–38	limitations,
Decision making	104–106
AI in, 34–35	mining online behavior,
111 III, JT-JJ	92

natural language	Employment
processing and	and interviews, 25-26
talent signals,	self-employment, 20–21
96–100	traditional forms of,
relationship between	20–21
online behavior and	Enthusiasm, 19
psychological	Ethics of future recruitment
variables, 92-93	tools, 10–11
talent assessments,	Evidence-based selection
91–92	practices, 24–25
uses and applications,	Explainability, 155-156
100–104	Extensive adverse impact
Digital technology, 17	testing, 68
"Digital transformation",	Extroversion, 28–29
21	Ezra company, 103
Digitalization, 183–184	F 1
Directly predicting job	Face analysis algorithms,
performance, 52	74–75
Diversity, 4–5, 174–179	Face recognition accuracy,
improving, 101–102	74–75
in workforce, 173-174	Face-scanning technologies,
DropBox, 21	151–153
Eff	Facebook, 33, 92–93,
Effortless performance rule,	96–97, 162–163
23	"Facial action coding"
Ekman's theory, 65	system, 65
Email, 96–97	Feature learning
Emotion(al)	algorithms, 65
framework, 65	Feedback, 154–155
management, 131–132	"Five Factor Model",
stability, 28–29	28–29
Employee	Fiverr platform, 20–21, 103–104
digital footprints, 33–34	
engagement, 98–99	Forced choice tests,
Employer, rebalancing	129–130, 134–135
relationship between	Freud's psychoanalytic
candidate and,	methodologies,
186–187	96–97

Game features, 122-123	Great Brain Experiment,
Game technology, 124	126–127
Game-based assessments,	TT 1 .: 1
9–10, 119–120	Harm reduction approach,
on cognitive ability, 120	37–38
improvement of	Heuristics, 26
traditional	HireVue, 57–58
psychometric tests,	Hiring managers, 34–35,
124	153–154, 183–184
for measuring cognitive	decision making, 53
ability, 124–128	resume screening, 97–98
for personality, 128-135	Human capital
predicting real world	technologies, 156–157
outcomes using	
cognitive ability,	Human creativity, 188 Human ratings prediction,
127–128	70
for use in recruitment	Human resource (HR)
and selection,	algorithmic
122–123	responsibility, 40–41
Game-based psychometric	data literacy, 39–40
assessments,	departments, 183–184
119–120	preparing for
Gamification, 9–10,	algorithmic, 38–41
119–120	tech, 156–157
advantages, 122-124	tools, 172
of personality, 131–132	tracking performance
of psychometric tests,	and business impact,
120–121	38–39
General Inquirer, 61	
Generalized artificial	I-O psychologists, 32
intelligence, 34–35	Images, 132–134
Generation Z, employees	Implicit heuristics, 26
from, 173–174	Inclusion, 4–5
Gig economy, 20–21	Individual differences
Glassdoor, 99	research, 52–53
Glikon, 102	Industrial-Organizational
Glint, 102	Psychology (I-O
Google, 19	psychology), 8, 12

Informed consent,	language-based
151–153	assessment of
Intelligence, 29	personality, 120
Intelligence tests, 54–55	to quantifiable talent
Interactive assessments,	signals, 97
119	use and content, 61-62
Internal recruitment,	Likert scale personality
182–183	tests, 128–129
Internal talent assessment	Linguistic Inquiry and
and analytics, 102	Word Count
International Personality	(LIWC), 62
Item Pool, 128	LinkedIn, 172, 186-187
Interviewers, 175–176	M. d
Interviewing method,	Machine learning, 51–52,
52–53	58–59, 74–75,
Interviews. See also Video	183–184, 188
interviews, 25–26,	algorithm, 52–53,
29	132–133, 160–161
Ivy League qualifications, 4	machine learning-based
T_1.	scoring algorithms, 124
Job	-= ·
benefits to job seeker, 149–151	Man-made disasters, 148
	Matchmaking, 185–186 Maximal performance rule,
interviews, 25, 183–184 search platforms,	22–23
186–187	
data, 72–73	Meritocracy, 174–179
data prediction, 70	Meta-analysis, 27, 29, 55 Microsoft, 19, 102
Job performance, 28–29,	Modern game-based
52, 58, 74, 94–95,	assessments, 120–121
123–124, 127,	Motivation, 52
176–177, 185	Myers Briggs Type
170–177, 103	Indicator (MBTI),
Knee-jerk reaction, 34–35	157–158
Labels, 61–62	
Language, 62–63, 96–97	Narcissistic applicants,
agnostic nature of	175–176
images, 133–134	Natural language processing, 60–63

Bag of Words, 60-61	Performance management,
context, 62-63	184–185
language use and	Performance-based models.
content, 61–62	72–73
and talent signals,	Personality, 23, 52–55,
96–100	58–59
transcription, 60	assessment, 29
Natural Language Toolkit,	dark side personality
61–62	traits, 33
Nepotism, 3–4	game-based assessments
Netflix, 34–35	for, 128–135
Newtons Playground	gamification of,
(computer game),	131–132, 134
130–131	measuring, 134-135
Nonverbal behavior, 58,	prediction of, 95–96
63, 66	taxonomies of, 28-29
facial action units,	tests as games, 130-135
65–66	in workplace, 95-96
spectral audio	Predictive validity, 29–30,
characteristics, 65	72–73
Nonverbal behavioral cues,	Predictors, 27
52	Prehire assessments,
"O1:-1-"	100–101
"One-click" assessment, 100–101	Profiling psychometric
	traits, 52
One-sided job application, 187	Psychological capital, 4
107	Psychological research,
Openness, 28–29	92–93
Opportunity allocation, 182–183	Psychological trait, 74
	Psychology, 2
Organization-level	Psychometric assessment,
engagement, 20	28–30, 54–56,
Organizational	67–68, 171–172,
psychologists, 173	176–177, 183–184
Outcome bias, 161–162	video analytics
Pareto's principle, 22	replicates, 54-55
Patagonia, 162–163	Psychometric inventories,
People Analytics, 33–34	31–32

Psychometric standards, 69, 73, 120–121	fulfilling career, 179–180
Psychometric surveys, 91–92	future recruitment tools, 148–156
Psychometric test, 69	gone, 4–5
challenge for, 121–122	informed consent,
gamification of, 120–121	151–153
Psychometrics, 28	innovation, 7–11
Psychopathic applicants,	matchmaking, 185–186
175–176	meritocracy and
Questionnaires	diversity, 174–179
fatigue, 123–124	outcome bias, 161–162
forced choice, 128–129	performance
Torced enoice, 120 12)	management,
Recruiters, 153–154	184–185
Recruitment, 1–3, 147	performance measures,
adverse impact, 160-161	162–163
AI in, 147	psychological research,
"ambition", 159–160	2–3
anonymity, 153-154	psychologically safe and
apocalyptic fears of	productive
cyborgs, 148	workplace, 180–183
benefits to job seeker,	psychometric
149–151	assessments, 67–68
components of	rebalancing relationship
recruitment tools,	between employer
156–157	and candidate,
confidentiality, 153-154	186–187
data protection,	science-practice gap,
153–154	157–158
digital records and AI in	task of, 171–172
future of, 32	technologies of future,
dreams and possibilities	183–189
for, 173–183	time, 6
evolution in careers, 3-4	universal overarching
explainability, 155–156	principle
feedback and self-	parameters,
awareness, 154-155	158–159

virtue signaling,	Self-report, 128–129
163–164	questionnaires, 52–53
Red Bull Wingfinder	self-reported job
assessment,	performance, 56–57
132–133	self-reported
Reliability, 36–37, 71–72	psychological traits
Resume screening, 97–98	prediction, 70
Robust hiring practices,	Seminal meta-analysis,
101–102	25–26
Rule of vital few, 22	Sensor-packed devices, 30
C : 1 1	Serious games, 119
Scenario-based game	Serious games, 124-125
assessment,	Sine-qua-non for ethical
131–132	recruitment,
Selection method, 176–177	157–158
dreams and possibilities	Slack, 33-34, 96-97
for, 173–183	SMS, 96–97
fulfilling career, 179–180	Social capital, 3–4
matchmaking, 185–186	Social media platforms,
meritocracy and	92–93, 96–97,
diversity, 174–179	100–101, 186–187
performance	Social skills, 24
management, 184–185	Spectral audio
	characteristics, 65
psychologically safe and	Spotify, 34–35
productive	Standardized interviews,
workplace, 180–183	54–55
rebalancing relationship	Standardized psychometric
between employer	assessments, 54–55
and candidate, 186–187	Storytelling, 131–132
task of, 171–172	Structured interviews,
The state of the s	52–53, 69, 171–172,
technologies of future, 183–189	176–177
	and standardized
Self report questionnaires, 58–59	analysis at scale,
Self-awareness, 154–155	55–56
Self-employment, 20–21	Structured recruitment
sen-employment, 20–21	processes, 54

Talent. See also	war for or on talent,
Recruitment, 23	18–24
advantages for, 53-58	Taxonomies of personality,
assessments, 91–92,	28–29
99–100	Team-level engagement, 20
better data, 56-57	Technological dystopias, 11
culture fit and employee	Technological innovation,
engagement, 98–99	52–53
current practices, 24–30	Technology, 148, 156,
identification, 18	172–173
internal talent	advancements in, 90
assessment and	to implement structured
analytics, 102	interviewing, 56
interviews, 25–26	Textio tool, 98
management	Textkernel tool, 98
interventions, 23	Theory of talent signals, 32,
monitoring and	90
adjusting decision	Tracking performance,
making, 57–58	38–39
natural language	Traditional psychometric
processing and,	assessments,
96–100	123–124
passports, 103-104	Traditional psychometric
resume screening,	tests, 120–121
97–98	Traditionally measure
signals, 18	psychometric traits,
signals, 151-153	52
structured interviews	Transcription algorithms,
and standardized	74–75
analysis at scale,	Transcription algorithms,
55–56	60
talent assessment in age	Twitter, 94–95, 172, 186
of AI, 30–35	Uhar 20 21 162 162
theory of talent signals,	Uber, 20–21, 162–163 Unemployment. <i>See also</i>
32, 90	
understanding	Employment, 1–2
effectiveness of new	Upwork platform, 20–21, 103–104
tools, 35–38	103-104

Validity, 36–37	War for talent, 18-24
coefficient for interviews,	War on talent, 18-24
25–26	Washington Post, The,
Verbal behavior, 58	151–153
Video analytics, 51, 53-54	Weapons of math
Video interviews, 54, 120,	destruction
151, 153, 171–172	(WMDs), 40
advantages for talent	"Web 2. 0", 92–93
identification, 53-58	Webcams, 51–52
adverse impact and	Wechsler Adult Intelligence
accuracy of video	scales, 126-127
interview	WhatsApp, 96–97
algorithms, 73–75	Wikipedia, 89
algorithm, 159	Word Error Rate, 60
analytics, 58, 66, 70	Words, 58–60
computer scoring of, 56	Work
fairness and accuracy	automation, 188–189
across groups,	performance prediction,
66–75	27
natural language	work-life balance,
processing, 60–63	21–22
nonverbal behavior,	work-related data, 187
63–66	Workforce, diversity in,
practical implications,	173–174
75–76	Workplace
psychometric standards,	personality in, 95–96
69–73	psychologically safe and
and video analytics,	productive, 180–183
51–53	YouTube, 89, 156-157
words, 58–60	
Virtue signaling, 163–164	Zoom app, 21, 33–34, 151,
Voice recognition accuracy,	153
74–75	