Index

Note: Page numbers followed by "n" with numbers indicate notes.

Age, 41, 53, 57, 60–63, 66, 68–71, 100, 102, 109–110, 113, 115–118, 121, 123, 127, 129–130, 153, 164 Anti-globalization movement, 39 Automaton, 29n46, 34 Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Composition of bousehold 63–64 Cyberapartheid, 36 Cultural movements, 38 Deepening divide (see also Digital divide research), 90, 114 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157 contextual amprenach to 5, 162	Adopters, 56–57, 74, 83, 85, 155	Content-related skills, 105–106
121, 123, 127, 129–130, 153, 164 Anti-globalization movement, 39 Automaton, 29n46, 34 Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Demand-side economics of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 immigrants, 116–117 imclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide research), 90, 114 thesis, 114 Demand-side economics of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 116–117 immigrants, 116–117 imclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide (see also	Age, 41, 53, 57, 60–63, 66, 68–71, 100,	Cyberapartheid, 36
divide research), 90, 114 Anti-globalization movement, 39 Automaton, 29n46, 34 Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 divide research), 90, 114 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research), 90, 114 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research), 90, 114 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research), 90, 114 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research), 90, 114 thesis, 114 Demand-side conomies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 95, 88–90, 155 Digital generation, 116–117 immigrants, 116–117 imclusion, 170 media,	102, 109–110, 113, 115–118,	Cultural movements, 38
Anti-globalization movement, 39 Automaton, 29n46, 34 Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 immigrants, 116–117 imclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 116–117 immigrants, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	121, 123, 127, 129–130, 153,	Deepening divide (see also Digital
Anti-globalization movement, 39 Automaton, 29n46, 34 Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 thesis, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 immigrants, 116–117 imclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Demand-side economies of scale (see Network effect) Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 116–117 immigrants, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	164	divide research), 90, 114
(see Network effect) Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Comparative analysis, 21, 63, 77n115, 122–123, 141 Democratization, 49 Democratization, 49 Diffusion of innovations theory (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Anti-globalization movement, 39	
Broadband divide, 85 Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29, 34 informational, 34 industrial, 29, 34 informational, 34 informational, 34 industrial, 29, 34 informational, 34 industrial, 2	Automaton, 29 <i>n</i> 46, 34	Demand-side economies of scale
Broadband Internet (see also Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 industrial, 29, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157		(see Network effect)
Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Speed—of Internet (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Broadband divide, 85	Democratization, 49
Speed—of Internet connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 global informational, 34 informational, 29, 34 informational, 29n46, 34, 40, 177, 179 and Internet, 40n84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Speed—of Internet (DOI), 55, 80–90 critique, 82–84 curves and categorization of adopters, 56 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Broadband Internet (see also	Diffusion of innovations theory
connection), 85 Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20,	Speed—of Internet	
Capital-enhancing online activities, 123 Capitalism, 9, 12–13, 16, 18, 20,	connection), 85	critique, 82–84
Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 88–90 stratification model, 5, 88–90, 155 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157		
Capitalism, 9, 12–13, 16, 18, 20, 22–26, 28, 30, 177 divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 88–90 stratification model, 5, 88–90, 155 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 disconnection with and digital divide research, 80–82 fundamental model of (basic model of) 82–84 normalization model, 88–90 stratification model, 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Capital-enhancing online activities, 123	adopters, 56
global informational, 34 industrial, 29, 34 informational, 29n46, 34, 40,	Capitalism, 9, 12–13, 16, 18, 20,	
industrial, 29, 34 informational, 29n46, 34, 40,	22–26, 28, 30, 177	divide research, 80–82
informational, 29 <i>n</i> 46, 34, 40,	global informational, 34	fundamental model of (basic model
informational, 29n46, 34, 40,	industrial, 29, 34	of) 82–84
and Internet, 40 <i>n</i> 84 recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77 <i>n</i> 115, 122–123, 141 5, 88–90, 155 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (<i>see</i> Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	informational, 29n46, 34, 40,	normalization model, 88-90
recapitalization, 30 restructuring, 32 Communication channel, 2, 55, 81, 135–136, 144, 151, 161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 Digital generation, 116–117 inclusion, 170 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	177, 179	stratification model,
restructuring, 32 generation, 116–117 Communication immigrants, 116–117 channel, 2, 55, 81, 135–136, 144, 151,	and Internet, 40n84	5, 88–90, 155
Communication immigrants, 116–117 inclusion, 170 media, 111 skills, 106–107, 115, 172–173 structure, 34 structure, 34 structure, 34 skills (see Skills, digital) Community technology center project, 51 project, 51 strategy, 114 Comparative analysis, 21, 63, 77n115, 122–123, 141 bigital divide, 94–98 bridging, 40–42, 59–75, 154–157	recapitalization, 30	Digital
channel, 2, 55, 81, 135–136, 144, 151,	restructuring, 32	generation, 116–117
161, 163–165, 176, 177 skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 media, 111 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Communication	immigrants, 116–117
skills, 106–107, 115, 172–173 structure, 34 Community technology center project, 51 Comparative analysis, 21, 63, 77n115, 122–123, 141 natives, 116 skills (see Skills, digital) Digital Agenda for Europe 2020 strategy, 114 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	channel, 2, 55, 81, 135–136, 144, 151,	inclusion, 170
structure, 34 skills (see Skills, digital) Community technology center project, 51 Digital Agenda for Europe 2020 strategy, 114 Comparative analysis, 21, 63, 77n115, 122–123, 141 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	161, 163–165, 176, 177	media, 111
Community technology center project, 51 Digital Agenda for Europe 2020 strategy, 114 Comparative analysis, 21, 63, 77n115, 122–123, 141 Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	skills, 106–107, 115, 172–173	natives, 116
project, 51 strategy, 114 Comparative analysis, 21, 63, 77 <i>n</i> 115, Digital divide, 94–98 122–123, 141 bridging, 40–42, 59–75, 154–157	structure, 34	skills (see Skills, digital)
Comparative analysis, 21, 63, 77 <i>n</i> 115, Digital divide, 94–98 bridging, 40–42, 59–75, 154–157	Community technology center	Digital Agenda for Europe 2020
122–123, 141 bridging, 40–42, 59–75, 154–157	project, 51	strategy, 114
	Comparative analysis, 21, 63, 77 <i>n</i> 115,	Digital divide, 94–98
Composition of household 63-64 contextual approach to 5, 162	122–123, 141	bridging, 40-42, 59-75, 154-157
Composition of household, 03–04 Contextual approach to, 5, 102,	Composition of household, 63–64	contextual approach to, 5, 162,
Computer skills, 104–105, 139 165–173, 177		165–173, 177
Consumption, 21–22, 27, 49, 69, 78 cultural reproduction of, 148		
1 1 00	information, 136	dual, 99
	of luxury goods, 74	gong in internet usego 110 121
of luxury goods, 74 gaps in internet usage, 118–131		
		gang in internet usage 110 121
	C -4 -4 -4 -4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	

gravity of, 2, 5, 75–76, 80, 88, 113,	Ethnicity, 41, 53, 59, 60, 65, 67–68, 75,
124, 131, 137, 154	95, 102
key argument, 95–96, 104 paradox	Euro-American cultural sphere, 15, 75
of the digital divide, 164	European Union (EU), 52, 172, 178,
organically closing digital divide	179
argument, 55–58	Ex-users (see Dropouts)
perpetual resurgence of, 84–87	Exclusion, 33–34, 160
Digital divide research, 1, 45, 58, 176	
adaptation to technological	Facebook, 108, 162, 164, 171, 173
change, 135	Financial resources, insufficient, 103, 153
early research, 48–51	Formal learning, 114
matrix of digital divide dimensions, 92–93	Functional equipment, 120
Digital divide thesis, 4–5, 47–48,	Gender, 41, 53, 66, 75, 95
87, 96, 98, 103, 111, 123,	local gender dynamics, 66
135–136, 140, 148, 151, 157,	Geographic mobility, 166
167–170	Geography of the Internet, 73
assumptions, 84, 133–157	Gini coefficient, 53, 60, 76
validity, 47, 84, 101, 130–131,	Global digital divide, 75–80, 145–146
133–134, 147, 154, 164, 166	Global geometry of new economy, 33–34
Digitization (see also	Global informational capitalism, 34
Informatization), 161	Global institutions, 76
Discursive analysis, 166, 170	Globalization, 20, 30–31, 41
Displacement hypothesis, 141–143	technological dimension, 49
Dropouts, 99, 101, 102	Google, 171
Dual digital divide, 99	Gravity of digital divide, 2, 5,
	75–76, 80, 88, 113, 124, 131,
E-future, 53	137, 154
Economy	
development, 138, 147	HomeNet study, 141–142
neoliberalism, 171	Household, composition of, 63–64
segmentation of, 33	X1.1
Education, 68–69, 78, 89, 98, 102,	Ideology, information society as,
109–110, 121–122, 124, 127, 139, 150, 164	7, 168 Increase hypothesis, 141–142, 144–145
Employment, 71, 68, 97, 99, 140n30	Indispensability, 160
reemployment, 139	Individual learning, 114
structure, 11–12, 26	Individual-blame bias, 150–153, 167
unemployment, 33–34, 72, 102	Industrial Age, 8, 28
Endogeneity trap, 177 <i>n</i> 12	Industrial mode of development, 27
Equipment	Industrial society, 35
functional (see also technology	Inequality, 1, 45
maintenance), 120	categorical, 95–96
ICT, 67, 80	digital, 91
Etatism, 24, 28, 29	ethnic or racial, 67–68

global, 75, 87, 171	Internet, 1, 79, 134–136, 139, 159, 162
income, 53, 70, 78, 138	access, 148–149, 159
local, 87	diffusion, 161
social, 3, 41, 51, 54, 57–58, 71,	geography, 73
75, 80–81, 94–96, 100, 115,	infrastructure, 176
131, 150, 154–156, 167–168,	Internet-mediated communication, 142
173, 177	universal necessity assumption,
source of, 97, 115, 160	147–150
spatial, 71–72	Internet Galaxy, 34
structural, 104, 124	Joho Shakai, 13
Information, 27	ono Shukui, 15
critique of, 11	Knowledge
economy, 9	gap, 124, 127–128, 136
policies, 52, 75, 86, 114, 140, 150,	industry, 8
164–165, 167–173, 177	knowledge-based economy, 9
skills, 105–106, 110, 113	society, 3
society, 134, 137, 170	worker, 8
Information Age, 10, 13, 17, 39, 45,	Knowledgeability, 128, 145, 160, 166
49, 99, 172, 176, 179	Knowledgeability, 128, 143, 100, 100
Information and communication	Labour market 66 69 60 72 74 106
technology (ICT), 1, 2, 57, 85	Labour market, 66, 68–69, 72, 74, 106,
	138–140, 161, 164–165
diffusion, 155	Lapsed users (see Dropouts)
infrastructure, 137	Learning
non-exceptionality of ICT	in communities, 114, 130
argument, 53–55	formal, 114
reduction of, 134–136	individual, 114
skills (see Skills)	informal, 114
Information society theory, 2, 3, 10,	LinkedIn, 162
147, 164–165, 167, 175–180	M 11 F: 0 0 12 20
arguments and versions, 10–16	Machlup, Fitz, 8–9, 13 <i>n</i> 29
comparison of Webster and Duff's	Marxism, 18, 19, 25, 168
typology, 15	Mass media, 3, 8, 35–36, 69, 82, 124,
milestones in development of, 8–10	126–127
Information technology, 134	Mass communication, transformation
paradigm, 28	of, 35–36
revolution, 28	Mass self-communication, 35
Informational capitalism, 29 <i>n</i> 46, 34,	Matthew effect (see Rich-get-richer
40, 177, 179	hypothesis), 125, 126–128
Informational democracy, 42	Metcalfe's law, 61 <i>n</i> 52, 162
Informational mode of development, 27	Microelectronics, 28
Informationalism, 27, 28, 31, 39, 40	Microsoft, 171
Informatization, 14, 171, 175, 180	Mobile phone, 85–87, 135, 162
inevitability of, 153–154	Smartphones, 67
presupposed inevitability, 153–154	SMS communication, 135–136
Innovativeness, 55, 57, 61, 72, 85, 166	Mode of production, 20, 24, 26
Intermittent users, 99	capitalist, 18, 22-23, 26

Modernization, 12, 22, 27, 126, 171	Proxy use, 153
Myspace (social networking	Psychologization, 149
platforms), 162	Public transport infrastructure, 163
N-Gen, 116	Race, 53, 59, 60, 67, 68
National economies, 33	Reflexive modernization theory, 12
National Telecommunications and	Reproduction
Information Administration	cultural of digital divide, 148
(NTIA), 46, 48, 49	intergenerational, 41
Net Evaders, 101	social, 126
Network enterprise, 31, 32	Resistance, transformation of, 38–40
Network effect, 61n52	Rich-get-richer hypothesis, 145–146
Network externality (see Network effect)	
Network society, 24, 29, 177	S-curve of adoption, 55–57, 69, 88,
Networked individualism, 37	89, 153
New economy	Science and technology studies, 178
formation, 30–31	Self-efficacy, 109n240
global geometry, 33–34	Skills, digital
Non-users, 98, 99	communication skills, 106, 107,
proxy use, 153	115, 172–173
psychologization, 149	computer skills, 104–105, 139
typology of, 99	content creation skills, 107
0.11	content-related skills, 105–106
Online activities, 5, 50, 58, 86, 106,	formal skills, 105–106, 109–110
108, 112, 115, 118, 122–130,	information skills, 105–106, 110, 113
134, 137, 143	medium-related skills, 105, 109
Operational skills, 105	operational skills, 105
Organization(al)	performance tests, 110
change, 30–31, 32	strategic skills, 105–106, 111
contemporary forms of, 32 network enterprise, 32	typology of, 105–106
transformations, 32	Sociability, 37n72, 65, 166 displacement hypothesis, 141–143
Outcomes of Internet use, 91, 107,	increase hypothesis, 141–142,
111–113, 129–130	144–145
digital factors of, 146	rich-get-richer hypothesis,
proportional, positive and constant	145–146
outcomes, 136–147	social-compensation hypothesis, 145
2 2000 2000, 2000 2000	supplement hypothesis, 141
Paradox of the digital divide, 164	transformation of, 36–38
Post-industrial society, 3, 9–10	Social
Post-modern society, 3	change, 3, 8, 11–12, 14–17, 19,
Pro-innovation bias, 153–154	21, 23, 25, 28, 38, 40, 43,
Production, 21, 24	155, 178
late-capitalist, 20	distribution of knowledge, 156
mode of, 20, 24, 26	engagement, 166

environment, 150	Subnational spaces, 71, 73–74
formations, 18	Supplement hypothesis, 141
participation via alternative	Techno-economic structure, 9
routes, 137	Technology (see also Information and
responsibility of sociologists, 178	communication technology
Social capital, 141–142	(ICT))
Social construction of information	maintenance, 100
society, 3	spheres, 28
Social networks, 29–30, 160, 161	Technology Opportunities Program, 51
peer effects, 65	Telecommunications, 28, 162
Social structure, 3, 9, 18, 20, 22, 24,	Telephone, 50, 79, 143–144, 155
25, 27, 33, 39, 40, 125–126,	Theory of information society (TIS),
128, 175, 178	2, 7–16, 125, 134, 157, 164
Social support, 38	as ideology, 173
in Internet use, 65, 123, 151–153,	critiques of, 168
160–161	Japanese, 14
Society	universal applicability of, 177
information, 2, 4, 10–13, 16,	validity of, 131, 147, 176
27, 84, 90, 125, 134, 137,	Threshold hypothesis, 143, 147
154, 170–171, 175, 178, 180	Total inclusion principle, 164–165
informational, 14, 27n40,	Totalizing tendency of theory, 175,
101, 176	175 <i>n</i> 3, 176–177
interactive, 36	Touraine, Alain, 17
postindustrial, 10	'Truly unconnected', 99, 101, 102
two-speed, 88	
Socio-technical infrastructure, 178	Unemployment, 33–34, 72, 102
Solaris, 33	United Nations Development
Soviet socialism, 26	Programme, 76
Space	Universal
social, 55, 73	dispensability, 159
socially structured, 71	modernization, 27
subnational, 71, 73–74	Urbanization, 22–23, 78
urban, 17, 20, 21, 24, 31	dependent, 22–23
Spatial inequality on national	forms of, 20
level, 71	indicators, 22
Speed	mass, 41
of economic processes, 138	Usage gap, 124–125
of innovation diffusion, 55	growing usage gap thesis, 126
of Internet connection, 74, 76,	Valatility agamamia 22 41 120
84–86 Sporadic use, 100	Volatility, economic, 33, 41, 138
Strategic skills, 105–106, 111	World Summit on Information
Stratification model, 88–90	Society, 76
Structuralism, 20	World Wide Web (www), 45
on acturation, 20	WOILD WILL WED (WWW), 43