Appendix A – supplementary materials

Figure A.1: Annual change in household disposable income (upper panel) and household labor income (lower panel) based on <u>dominant household class</u>, in %

■ Low−skilled working class ■ Skilled working class ■ Middle class ■ Upper−middle class

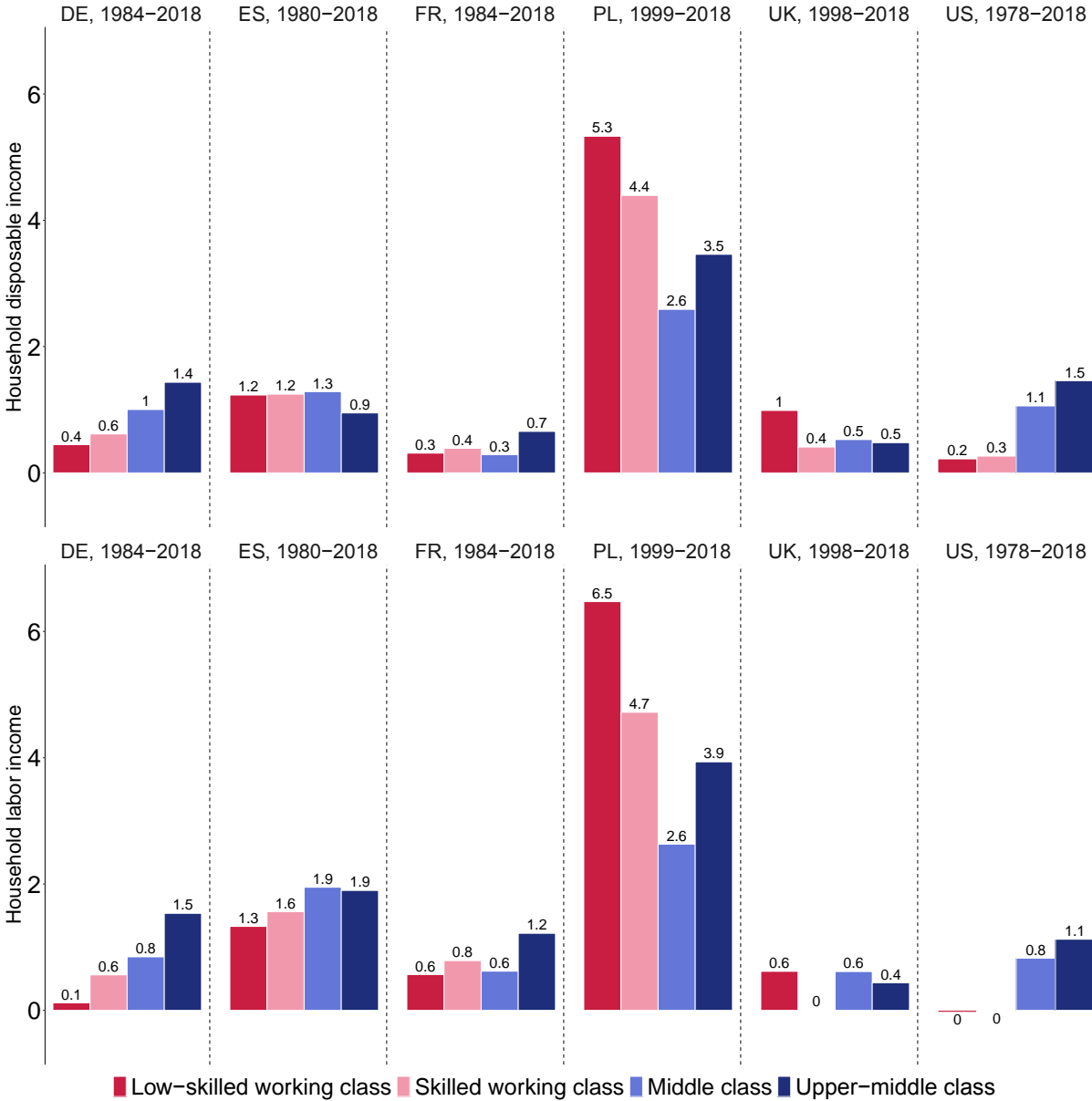Figure A.2: Annual mean change in household disposable income by income quartile, in %

Figure A.2: Annual mean change in household disposable income by income quartile, in %
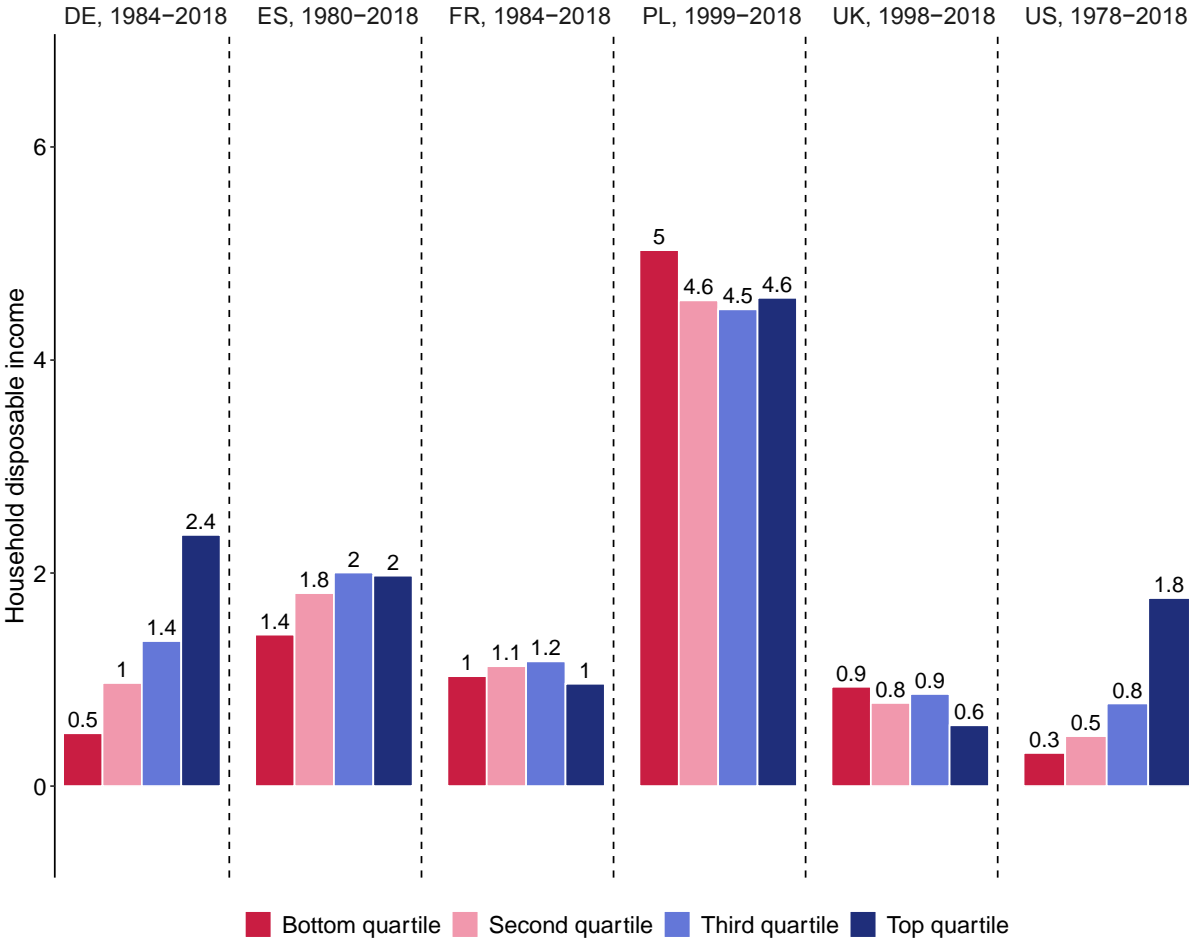
Figure A.3: Annual mean change in household disposable income by class and decade, in %

DE 1984 − 1990: Low-skilled 2.4, Skilled 3.3, Middle 2.2, Upper-middle 4.3
DE 1990 − 2000: Low-skilled −0.6, Skilled −0.6, Middle 0.1, Upper-middle 0.1
DE 2000 − 2010: Low-skilled −0.2, Skilled −0.1, Middle 0.3, Upper-middle 1
DE 2010 − 2018: Low-skilled 1.2, Skilled 1.1, Middle 1.7, Upper-middle 0.8

ES 1980 − 1990: Low-skilled 1.9, Skilled 1.9, Middle 1.5, Upper-middle 0.5
ES 1990 − 2000: Low-skilled 2.2, Skilled 1.8, Middle 3, Upper-middle 3.6
ES 2000 − 2010: Low-skilled 1.4, Skilled 2, Middle 0.1, Upper-middle 1
ES 2010 − 2018: Low-skilled −1.4, Skilled −1.5, Middle −0.2, Upper-middle −1.7

FR 1984 − 1989: Low-skilled −1.4, Skilled −1.7, Middle 0.9, Upper-middle 0
FR 1989 − 2000: Low-skilled 0.3, Skilled 1.4, Middle 0.5, Upper-middle 1.6
FR 2000 − 2010: Low-skilled 1.2, Skilled 0.8, Middle 0.7, Upper-middle 1.2
FR 2010 − 2018: Low-skilled 0.4, Skilled −0.1, Middle −0.9, Upper-middle −0.9

PL missing
PL missing
PL 1999 − 2010: Low-skilled 3.4, Skilled 3.1, Middle 2.5, Upper-middle 4.1
PL 2010 − 2018: Low-skilled 5.8, Skilled 4.7, Middle 2.2, Upper-middle 1.8

UK missing
UK missing
UK 1998 − 2010: Low-skilled 1.4, Skilled 0.3, Middle 0.5, Upper-middle 1.2
UK 2010 − 2018: Low-skilled 0.3, Skilled 0.5, Middle 0.6, Upper-middle −0.5

US 1978 − 1990: Low-skilled −0.3, Skilled −0.2, Middle 1.3, Upper-middle 1.5
US 1990 − 2000: Low-skilled 0.9, Skilled 0.9, Middle 1.1, Upper-middle 1.9
US 2000 − 2010: Low-skilled −0.6, Skilled −0.4, Middle 0, Upper-middle −0.1
US 2010 − 2018: Low-skilled 1.3, Skilled 1.1, Middle 1.4, Upper-middle 1.8

Legend: Low−skilled working class, Skilled working class, Middle class, Upper−middle class

Figure A.4: Employment change by class over a common 20-year period (in percentage points)

DE, 1998–2018   ES, 1998–2018   FR, 1998–2018   PL, 1999–2018   UK, 1998–2018   US, 1998–2018

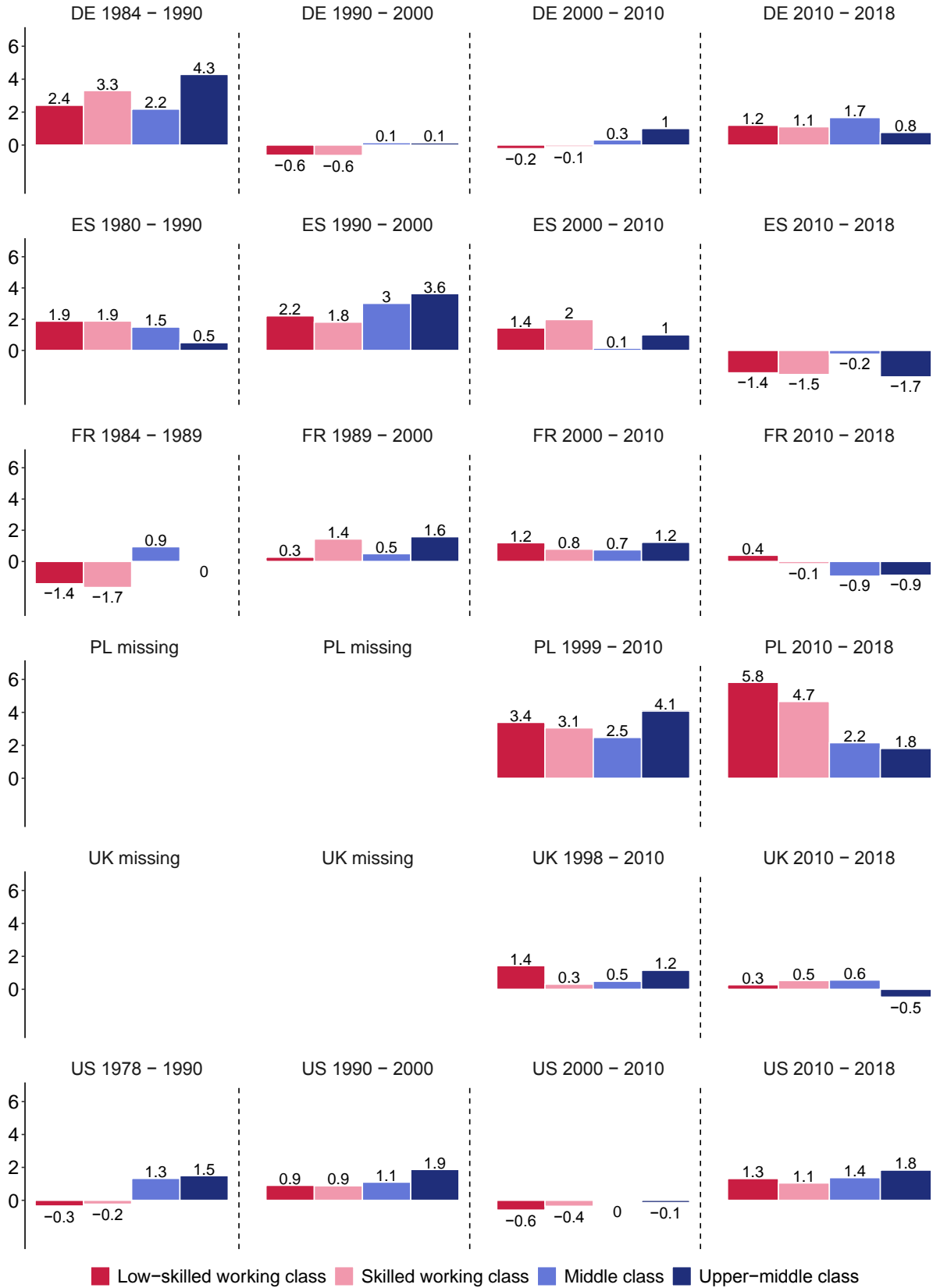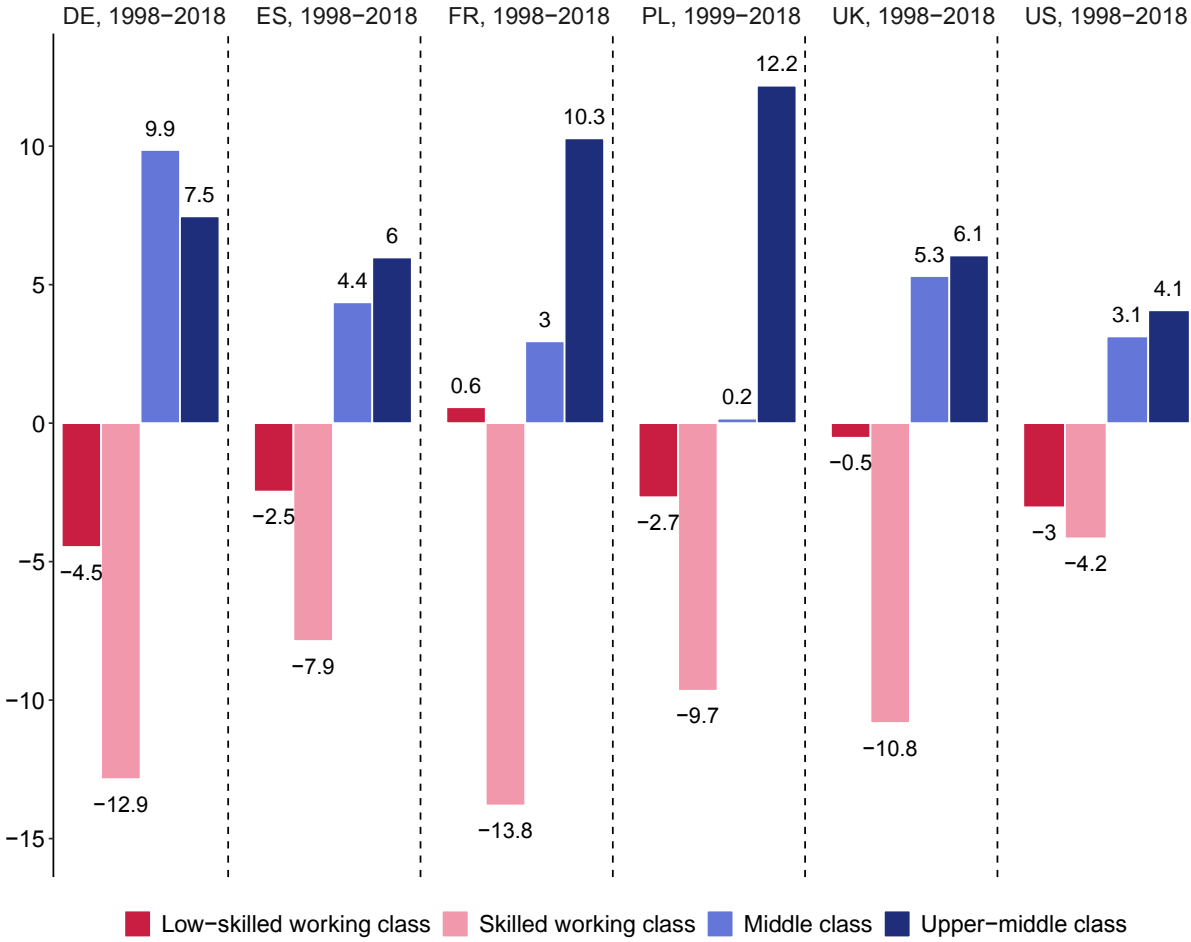Low–skilled working class   Skilled working class   Middle class   Upper–middle class

Figure A.5: Annual mean change in household disposable income by class over a common 20-year period, in %
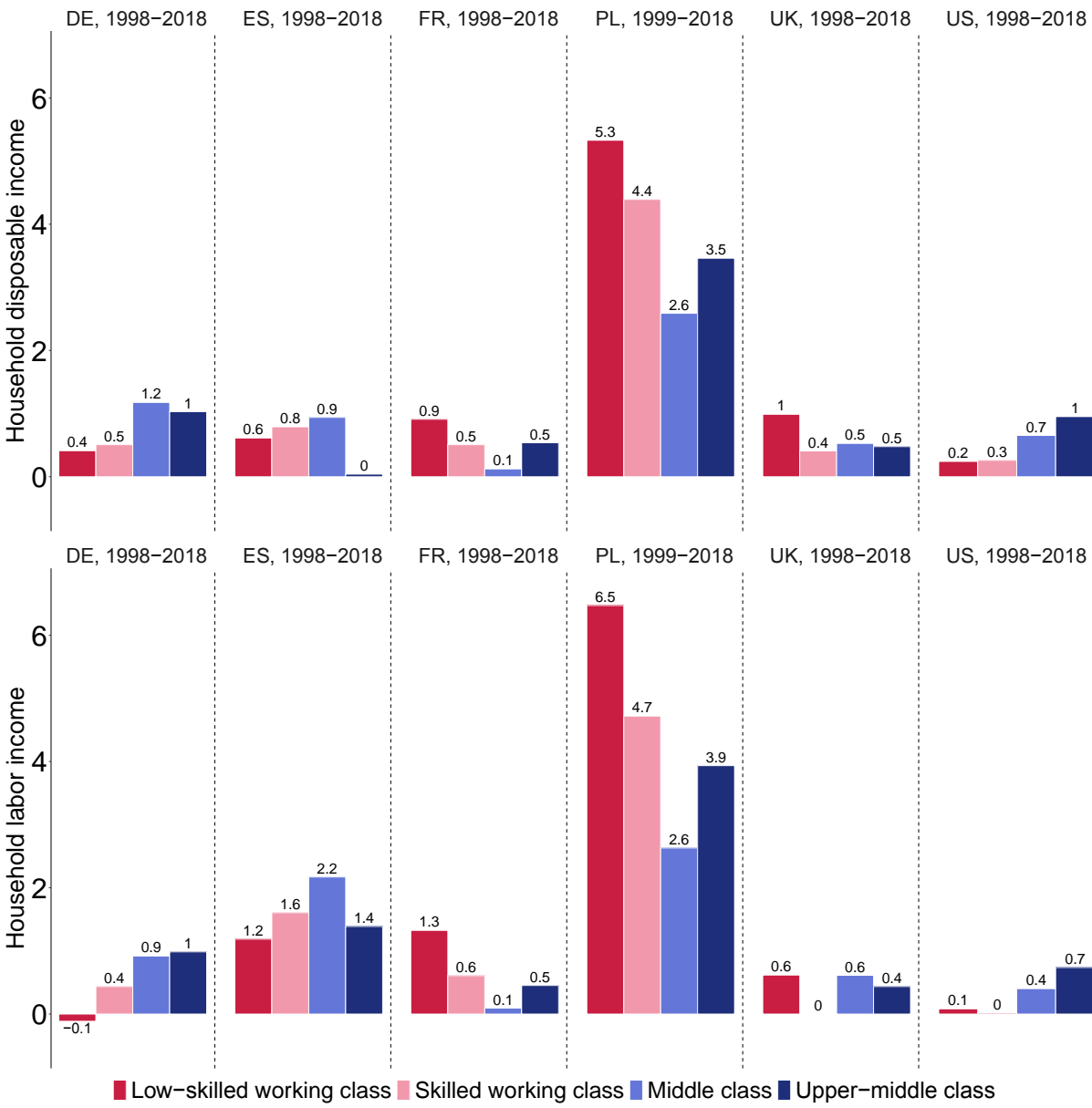
Figure A.6: Employment change by class in small and affluent European countries (in percentage points)

AT, 1994–2018   CH, 1992–2018   DK, 1992–2018   FI, 1987–2016   IE, 1994–2018   NL, 1990–2018

■ Low–skilled working class   ■ Skilled working class   ■ Middle class   ■ Upper–middle class
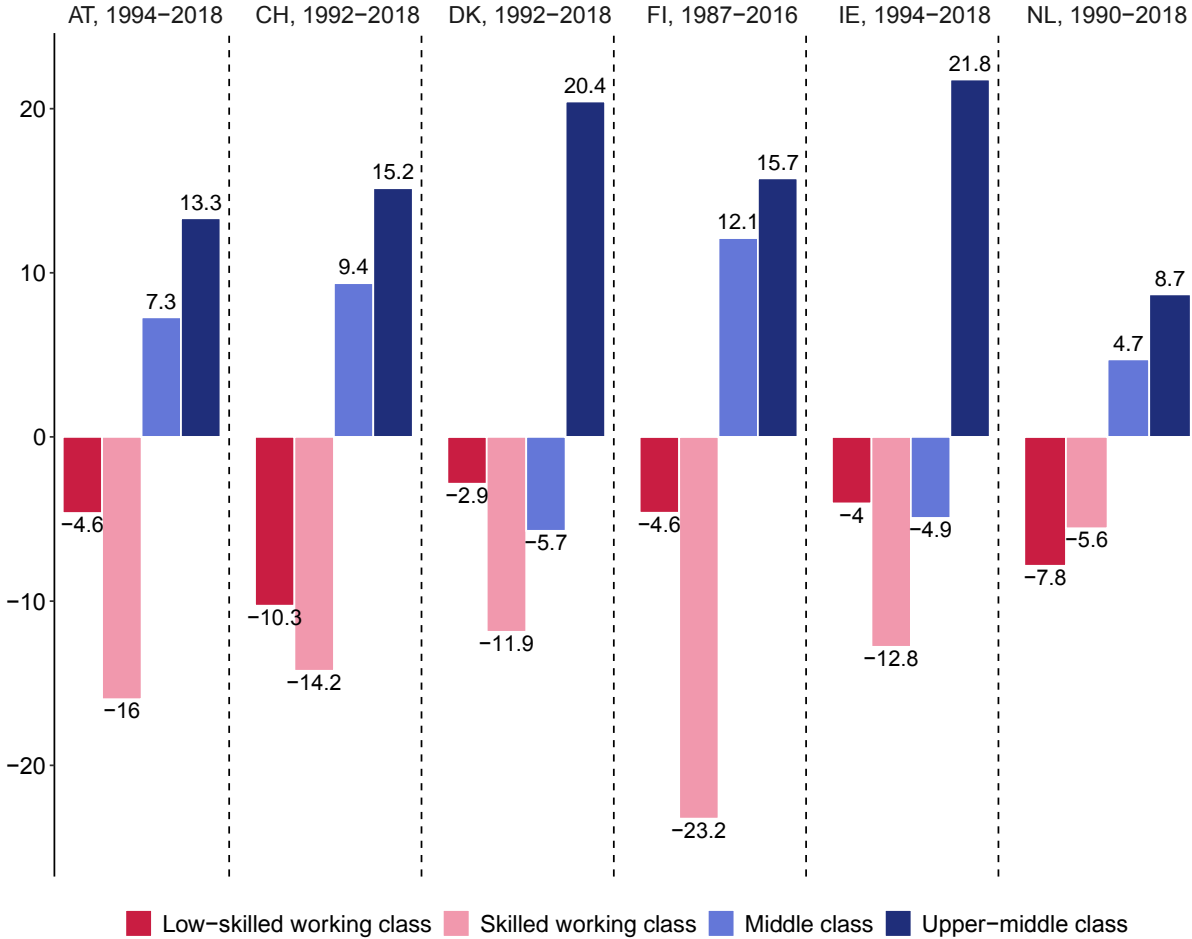
Note: AT: Austria, CH: Switzerland, DK: Denmark, FI: Finland, IE: Ireland, NL: Netherlands

Table A.1: Coding of the four-class variable with LIS-data

Upper-middle class	ISCO == 1 & status == "employer"
	ISCO == 1 & status == "employee" & EDUC == "at least upper-secondary or higher"
	ISCO == 2 & EDUC == "tertiary"
Middle class	ISCO == 1 & "self-employed"
	ISCO == 1 & status == "employee" & EDUC == "less than upper-secondary"
	ISCO == 2 & EDUC== "less than tertiary"
	ISCO ==3
	ISCO == 4 & EDUC == "tertiary"
	ISCO == 4-8 & status == "employer"
Skilled working class	ISCO == 4 & status == "employee" or "self-employed" & EDUC == "less than tertiary"
	ISCO == 5,7,10 & status == "employee"
	ISCO == 8 & status == "employee" & EDUC == "upper-secondary or higher"
	ISCO == 5-8 & status == "self-employed"
Low-skilled working class	ISCO == 9
	ISCO == 6 & status == "employee"
	ISCO == 8 & status == "employee" & EUDC == "no upper-secondary"

Table A.2: Descriptive statistics

			DE		ES		FR		PL		UK		USA	
			1984	2018	1980	2018	1984	2018	1999	2018	1998	2018	1978	2018
Household disposable income		Mean	22,788€	31,416€	11,962€	20,010€	21,579€	28,571€	20,824zł	39,396zł	24,114£	27,905	36,918$	53,687$
Size of classes	Low-skilled working	%	25	14	32	22	31	19	24	21	16	15	23	15
	Skilled working class	%	43	27	48	37	40	28	52	44	43	34	40	31
	Middle class	%	19	36	13	22	19	27	14	14	16	21	14	21
	Upper-middle class	%	13	23	8	19	10	26	10	21	25	30	23	33
Household size		Mean	3.2	2.9	4.2	3.1	3.2	2.8	3.7	3.3	2.8	2.8	3.3	3.1
Houshold head	Male	%	88	52	94	64	88	79	70	70	85	60	83	52
Age		Mean	41	45	42	44	40	43	41	42	41	42	40	42
N observations			6,964	19,321	34,815	17,916	12,912	45,378	42,411	40,724	21,519	17,182	63,362	78,279

Table A.3: correspondence of classes in the European Socio-Economic Classification (ESeC) to the

four-class measures

ESeC classes (EGP terms in parentheses)	This paper's classes
1 Upper salariat (or higher-grade service class)	Upper-middle class
2 Lower salariat (or lower-grade service class)	
4 Petite bourgeoisie with employees	Middle class
5 farmers with employees	
3 Higher white collar & 6 higher blue collar	
4 Petite bourgeoisie without employees	
5 farmers without employees	Skilled working class
8 Skilled manual	
7 Lower grade white collar	
9 Semi-/skilled workers	Low-skilled working class

Appendix B – additional analyses with a 5-class schema

Table B.1: Coding of the five-class variable with LIS-data

Upper-middle class	ISCO == 1 & status == "employer"
	ISCO == 1 & status == "employee" & EDUC == "at least upper-secondary or higher"
	ISCO == 2 & EDUC == "tertiary"
Middle class	ISCO == 1 & "self-employed"
	ISCO == 1 & status == "employee" & EDUC == "less than upper-secondary"
	ISCO == 2 & EDUC== "less than tertiary"
	ISCO ==3
Lower-middle class	ISCO==4
	ISCO == 4-8 & status == "employer"
	ISCO == 4-8 & status == "self-employed"
Skilled working class	ISCO == 5,7,10 & status == "employee"
	ISCO == 8 & status == "employee" & EDUC == "upper-secondary or higher"
Low-skilled working class	ISCO == 6 & status == "employee"
	ISCO == 8 & status == "employee" & EUDC == "no upper-secondary"
	ISCO == 9

Figure B.1: the class composition of the workforce over time (in %)
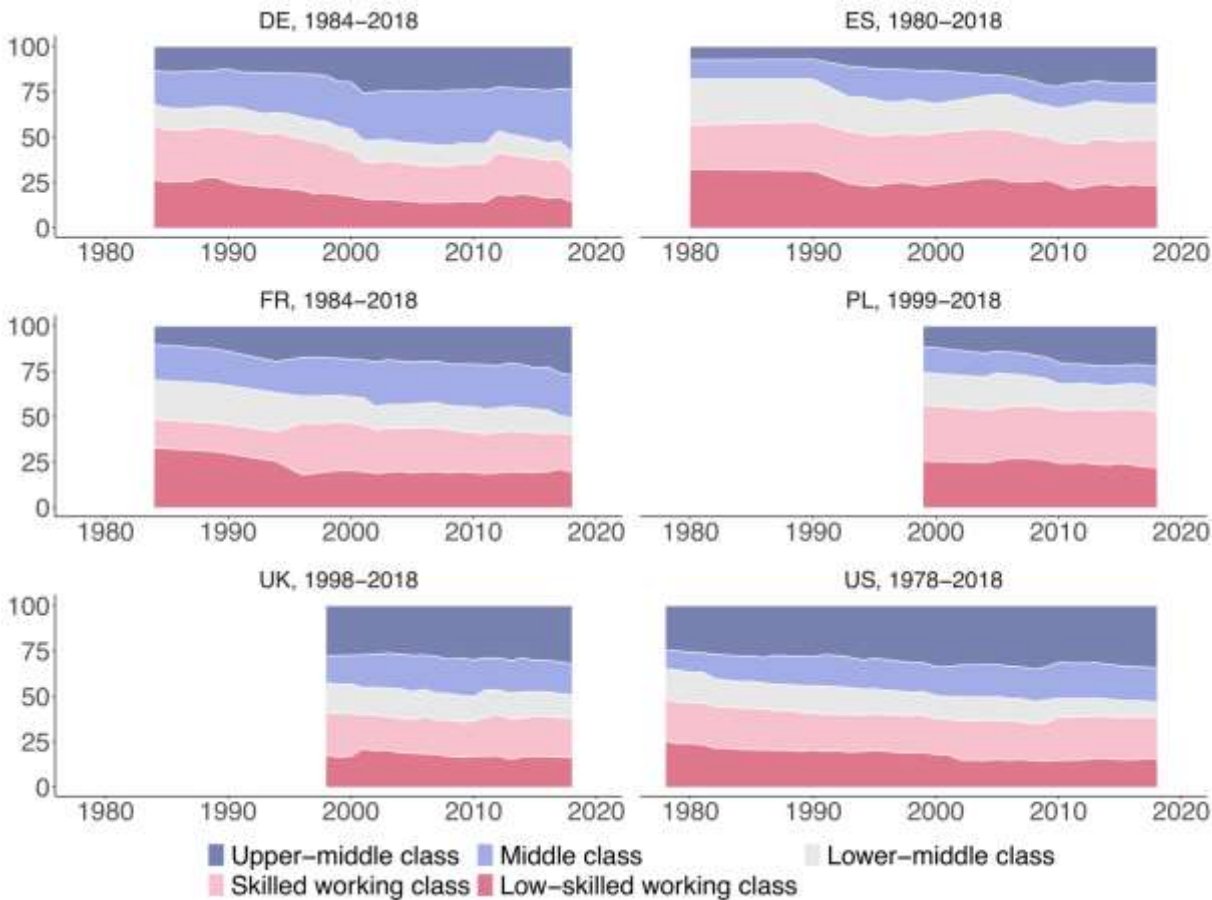
Figure B.2: change in the employment share of different classes (in percentage points)

| | DE, 1984–2018 | ES, 1980–2018 | FR, 1984–2018 | PL, 1999–2018 | UK, 1998–2018 | US, 1978–2018 |

Legend:
- Low–skilled working class
- Skilled working class
- Lower–middle class
- Middle class
- Upper–middle class

DE, 1984–2018: −12, −12.9, −1.2, 15.7, 10.3

ES, 1980–2018: −8.8, 0.9, −5.8, 1.3, 12.4

FR, 1984–2018: −13.2, 4.9, −12.4, 3.7, 16.9

PL, 1999–2018: −3.4, −0.2, −4.7, −2.6, 11

UK, 1998–2018: −1.2, −1.4, −3.8, 2, 4.4

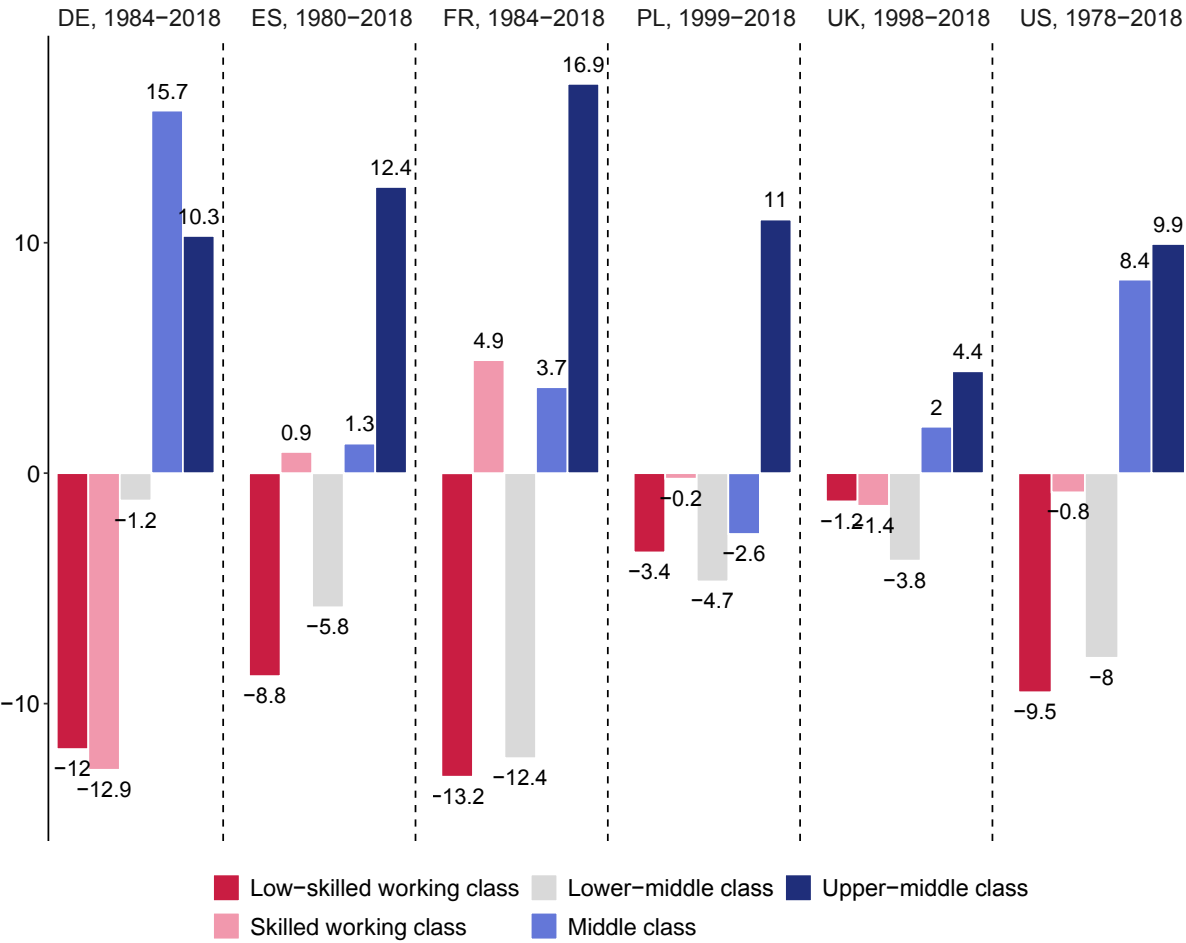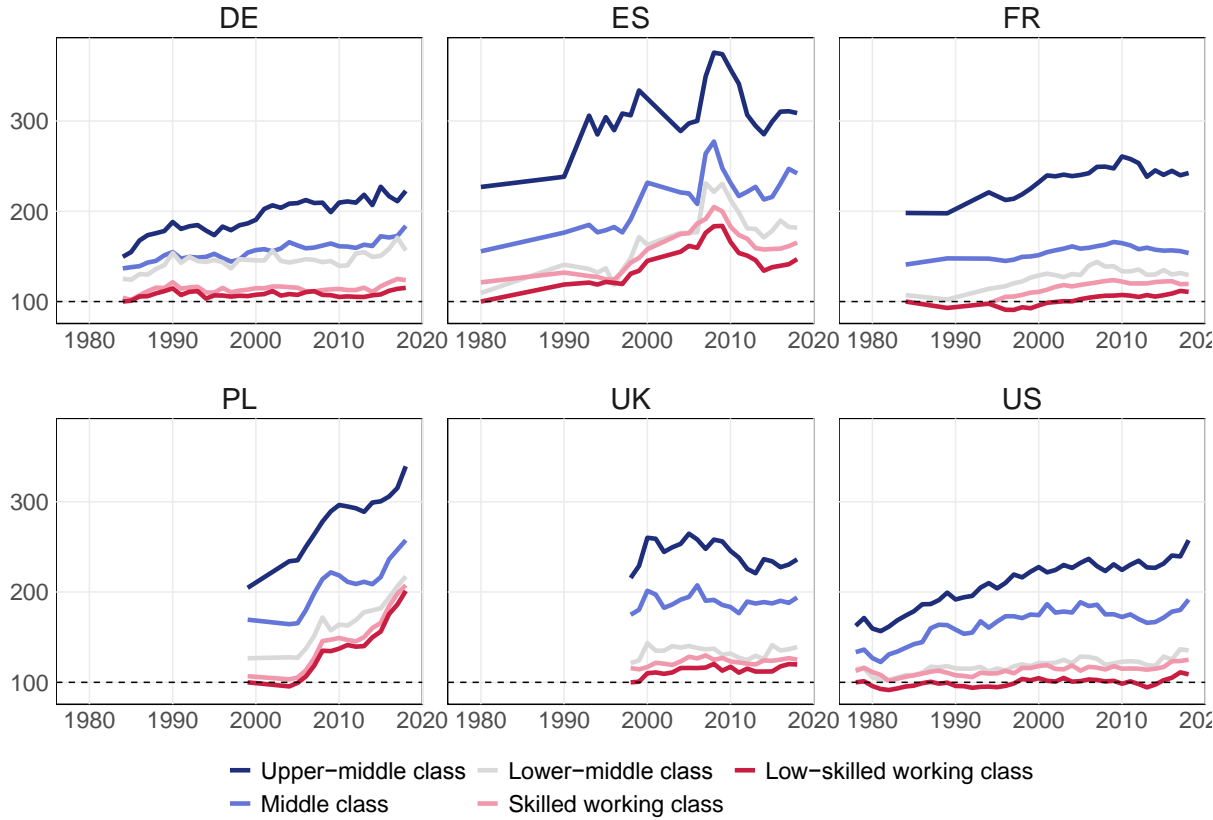US, 1978–2018: −9.5, −0.8, −8, 8.4, 9.9

Figure B.3: evolution of indexed real household labor income by social class over four decades

Note: household labor income is corrected for inflation and adjusted for household size. Values are indexed for the low-skilled working class in the first year of observation (that is, all incomes are expressed relative to the income of the low-skilled working class which is set, within each country, at 100 at the beginning of the time series).