

Supplementary online materials for the article

Spouses' division of labor and marital stability: applying the multiple-equilibrium theory to cohort trends of divorce in East and West Germany

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Online Appendix

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Table B 1: Distribution of employment status, high educational level, and Christian denomination by marriage cohorts of women in first marriages (column percentages) and mean age at marriage, West German sample (N= 271,084) and East Germany sample (N=83,512) (couple years).

Marriage Cohort	1940-1954	1955-1964	1965-1974	1975-1984	1985-1994	1995-2004	2005-2017	Total	Chi2	p
West Germany										
Employment Status										
Full-time	25.64	28.77	33.14	33.94	31.59	31.38	42.40	31.01	17,382.69	***
Part-time	10.09	17.18	23.93	30.88	34.94	37.78	35.88	24.14		
Non-employment	64.28	54.05	42.94	35.18	33.47	30.84	21.72	44.85		
High educ. level										
No	90.91	89.95	82.16	72.51	64.83	58.09	49.03	79.13	21,441.56	***
Yes	9.09	10.05	17.84	27.49	35.17	41.91	50.97	20.87		
Christian denomination										
No	9.22	13.76	21.96	24.14	27.75	28.98	32.30	20.00	7,716.90	***
Yes	90.78	86.24	78.04	75.86	72.25	71.02	67.70	80.00		
Age at Marriage (mean)	23.14	22.59	22.35	23.14	25.14	28.18	30.33	23.56		
East Germany										
Employment Status										
Full-time	57.81	63.70	65.21	68.11	55.50	48.85	44.58	62.32	2,226.33	***
Part-time	12.93	12.03	16.56	16.52	22.23	29.60	31.62	16.03		
Non-employment	29.26	24.28	18.23	15.37	22.27	21.54	23.79	21.66		
High educ. level										
No	90.27	74.88	62.46	56.76	57.76	55.14	47.59	68.11	5,606.69	***
Yes	9.73	25.12	37.54	43.24	42.24	44.86	52.41	31.89		
Christian denomination										
No	42.31	56.62	64.48	69.84	70.65	69.92	72.81	60.88	3,268.19	***
Yes	57.69	43.38	35.52	30.16	29.35	30.08	27.19	39.12		
Age at Marriage (mean)	22.20	22.04	21.79	22.08	25.73	27.62	30.68	22.72		

Source: SOEP v34, own calculations; * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table B 2: Discrete-time event history models of divorce in West and East Germany (AME) (Model 1 shown in Figure 2 as predicted probabilities.

	Model 1 West		Model 1 East	
	AME	SE	AME	SE
Marriage duration (years)	-0.001***	0.000	-0.001***	0.000
Log (Marriage duration)	0.004***	0.000	0.003**	0.001
1940-1954	-0.015***	0.001	-0.014***	0.002
1955-1964	-0.013***	0.001	-0.013***	0.002
1965-1974	-0.010***	0.001	-0.010***	0.002
1975-1984	-0.006***	0.001	-0.006**	0.002
1985-1994	-0.002*	0.001	-0.003	0.002
1995-2004	Ref.		Ref.	
2005-2017	-0.004**	0.002	-0.009**	0.003
N	270,931		83,665	
BIC	27,131.80		8,598.83	

Source: SOEP v34, own calculations

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table B 3: Interaction effects of employment status for different marriage cohort on divorce in West and East Germany (AMEs). Models control for marriage duration, log (marriage duration), employment status, educational level, Christian denomination, standardized values of age at marriage, number of children. (Model 3 shown in Figure 3).

		Model 3 West		Model 3 East	
		AME	CI 95%	AME	CI 95%
Full-time X	1940-1954	0.001	[-0.002, 0.004]	0.002	[-0.002, 0.005]
	1955-1964	0.004***	[0.002, 0.006]	0.000	[-0.003, 0.004]
	1965-1974	0.005***	[0.003, 0.007]	0.004*	[0.001, 0.007]
	1975-1984	0.005***	[0.002, 0.007]	0.008***	[0.005, 0.012]
	1985-1994	0.010***	[0.006, 0.014]	0.004	[-0.002, 0.010]
	1995-2004	0.011***	[0.005, 0.016]	0.009	[-0.003, 0.021]
	2005-2017	0.003	[-0.006, 0.012]	0.002	[-0.012, 0.017]
	marriage cohort	Ref.		Ref.	
Non-employment X					
	1940-1954	-0.003*	[-0.005, -0.0004]	-0.000	[-0.004, 0.004]
	1955-1964	-0.001	[-0.003, 0.0001]	-0.003	[-0.007, 0.0001]
	1965-1974	-0.002*	[-0.003, -0.0002]	0.003	[-0.002, 0.007]
	1975-1984	-0.004**	[-0.006, -0.001]	0.004	[-0.001, 0.009]
	1985-1994	-0.005***	[-0.008, -0.002]	0.007	[-0.000, 0.015]
	1995-2004	-0.001	[-0.006, 0.004]	0.000	[-0.013, 0.014]
	2005-2017	-0.001	[-0.011, 0.009]	-0.004	[-0.019, 0.011]
	N	271,064		83,532	

Source: SOEP v34, own calculations

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Table B 4: Mean values of husbands share of spouses' total hours of domestic work by marriage cohorts of women in first marriages in West and East German samples.

	1990-2004	2005-2017	Total	N
West	19.36	29.12	20.80	19,017
East	24.18	30.99	25.43	4,250

Source: SOEP v34, own calculations.

Table B 5: Interaction effects of marriage cohort for different levels of husbands share of spouses' total hours of domestic work on divorce in West and East Germany (AMEs). Models control for marriage duration, log (marriage duration), employment status, educational level, Christian denomination, standardized values of age at marriage, number of children. (Model 5 shown in Figure 4).

	Model 5 West		Model 5 East	
	AME	CI 95%	AME	CI 95%
Husbands share of spouses' total hours of domestic work X marriage cohort				
X 1990-2004	Ref.		Ref.	
0 X 2005-2017	0.002	[-0.005, 0.010]	0.004	[-0.015,0.022]
20 X 2005-2017	-0.004	[-0.008, 0.000]	0.000	[-0.011,0.011]
40 X 2005-2017	-0.008***	[-0.012, -0.004]	-0.003	[-0.012,0.007]
60 X 2005-2017	-0.010***	[-0.016, -0.005]	-0.004	[-0.015,0.006]
80 X 2005-2017	-0.012***	[-0.019, -0.006]	-0.006	[-0.018,0.006]
100 X 2005-2017	-0.014**	[-0.022, -0.005]	-0.007	[-0.020,0.007]
N	19,017		4,250	
BIC	2,549.841		700.677	