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Immigrants' Life Satisfaction in Intermarriages with Natives: A Family Life Course Perspective

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**Online appendix for
 “Immigrants’ life satisfaction in intermarriages with natives:
 A family life course perspective”**

A Additional Tables

The online appendix provides tables of the robustness checks for the association between immigrants’ life satisfaction and marriage type across the family life course presented in section 4.3 “Selection Effects” in the paper: “Immigrants’ life satisfaction in intermarriages with natives: A family life course perspective”.

A-1: Overview of the panel structure of the sample

Table A-1: Overview of the panel structure of the sample

Number of observation per person	Number of persons	%	Number of observations
1 up to 5	2,083	0,48	5,877
6 up to 10	917	0,21	6,352
11 up to 15	504	0,12	6,641
16 up to 20	388	0,09	6,886
21 up to 25	282	0,06	6,499
26 up to 30	117	0,03	3,245
31 up to 35	82	0,02	2,720
Changes of family life stages per person	Number of changes	%	Number of observation
0	2,181	0.51	8,506
1	1,378	0.31	13,208
2	627	0.14	11,616
3	174	0.04	4,513
4	13	0.00	377
Total	4,373	1.00	38,220

Source: Calculations based on GSOEP 1984-2018, N=4,373

A-2: Life satisfaction of intermarried immigrants in contrast to intramarried stayers

Table A-2: Life satisfaction of intermarried immigrants in contrast to intramarried stayers

	(1) Childlessness		(2) Starting parenthood		(3) Parenting children		(4) Parenting youngsters/ adult children		(5) Empty nest		(6) Aging family members	
	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
<i>Model 1</i>												
Marriage type												
Intermarriage (ref. intramarriage)	0.181	(0.223)	0.028	(0.146)	-0.237*	(0.098)	-0.163	(0.137)	-0.064	(0.126)	0.092	(0.200)
Constant	7.483***	(0.152)	7.945***	(0.085)	7.598***	(0.050)	7.360***	(0.065)	7.244***	(0.067)	7.000***	(0.113)
Level 3 random intercept (sd)	0.917		0.937		1.035		0.111		1.090		1.115	
Level 2 random intercept (sd)	0.614		0.331		0.463		0.406		0.580		0.527	
Level 1 errors (sd)	1.078		1.185		1.255		1.188		1.200		1.252	
<i>Model 6</i>												
Marriage type												
Intermarriage (ref. intramarriage)	0.250	(0.225)	-0.006	(0.156)	-0.427***	(0.105)	-0.383**	(0.144)	-0.315*	(0.132)	-0.177	(0.220)
Constant	7.569***	(0.258)	8.333***	(0.252)	7.691***	(0.109)	7.500***	(0.123)	7.517***	(0.139)	7.218***	(0.390)
Level 3 random intercept (sd)	0.806		0.900		0.974		1.031		0.974		1.032	
Level 2 random intercept (sd)	0.633		0.323		0.446		0.374		0.575		0.529	
Level 1 errors (sd)	1.065		1.181		1.253		1.188		1.198		1.250	
<i>Observations</i>	727		957		5,757		3,144		4,581		2,113	
<i>People</i>	235		454		1,387		858		859		305	

Source: Calculations based on GSOEP 1984-2018

Standard errors in parentheses

+ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

A-3: Analysis of people whose data are not censored during the observation period due to subsequent separations

Table A-3: Analysis of people whose data are not censored during the observation period due to subsequent separations

	(1) Childlessness		(2) Starting parenthood		(3) Parenting children		(4) Parenting youngsters/ adult children		(5) Empty nest		(6) Aging family members	
	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
<i>Model 1</i>												
Marriage type												
Intermarriage (ref. intramarriage)	0.154	(0.194)	0.272*	(0.131)	-0.080	(0.091)	0.039	(0.132)	0.110	(0.119)	0.404+	(0.207)
Constant	7.365	(0.154)	7.682	(0.058)	7.386	(0.036)	7.103	(0.044)	6.991	(0.048)	6.583	(0.102)
Level 3 random intercept (sd)	0.722		0.991		1.053		1.127		1.129		1.319	
Level 2 random intercept (sd)	0.679		0.001		0.364		0.382		0.497		0.446	
Level 1 errors (sd)	1.098		0.278		1.325		1.307		1.293		1.252	
<i>Model 6</i>												
Marriage type												
Intermarriage (ref. intramarriage)	0.275	(0.198)	0.173	(0.136)	-0.338***	(0.094)	-0.285*	(0.136)	-0.284*	(0.120)	-0.089	(0.218)
Constant	7.519***	(0.240)	7.965***	(0.184)	7.520***	(0.081)	7.437***	(0.091)	7.350***	(0.106)	7.053***	(0.328)
Level 3 random intercept (sd)	0.636		0.956		0.983		1.042		1.018		1.216	
Level 2 random intercept (sd)	0.684		0.001		0.368		0.374		0.498		0.459	
Level 1 errors (sd)	1.091		1.292		1.324		1.307		1.291		1.251	
<i>Observations</i>	1,022		1,908		12,064		7,855		10,303		3,558	
<i>People</i>	316		844		2,283		1,697		1,566		552	

Source: Calculations based on GSOEP 1984-2018

Standard errors in parentheses

+ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

A-4: Separate analyses by ethnic origin, generation, and gender

Table A-4: Separate analyses by ethnic origin, generation, and gender

		(1)		(2)		(3)		(4)		(5)		(6)	
		Childlessness		Starting parenthood		Parenting children		Parenting youngsters/ adult children		Empty nest		Aging family members	
		Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE	Coef.	SE
<i>Non-Western immigrant</i>	<i>Model 1</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	-0.109	(0.266)	0.184	(0.210)	-0.141	(0.146)	0.239	(0.213)	0.226	(0.206)	0.193	(0.435)
	Constant	7.318***	(0.211)	7.530***	(0.080)	7.175***	(0.049)	6.887***	(0.059)	6.809***	(0.066)	6.195***	(0.169)
	Level 3 random intercept (sd)	0.752		1.084		1.103		1.164		1.128		1.408	
	Level 2 random intercept (sd)	0.650		0.001		0.316		0.367		0.479		0.538	
	Level 1 errors (sd)	1.132		1.385		1.412		1.356		1.347		1.283	
	<i>Model 6</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	-0.142	(0.287)	0.102	(0.222)	-0.336*	(0.150)	-0.038	(0.216)	-0.002	(0.205)	0.040	(0.450)
	Constant	7.132***	(0.347)	7.597***	(0.280)	7.068***	(0.113)	7.093***	(0.116)	7.223***	(0.143)	6.723***	(0.517)
	Level 3 random intercept (sd)	0.689		1.066		1.038		1.077		1.037		1.306	
	Level 2 random intercept (sd)	0.607		0.001		0.323		0.349		0.487		0.542	
	Level 1 errors (sd)	1.118		1.381		1.410		1.355		1.345		1.279	
<i>Observations</i>	616		1,142		7,171		4,875		5,020		1,722		
<i>People</i>	169		513		1,326		1,032		854		292		
<i>Western immigrant</i>	<i>Model 1</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	0.345	(0.276)	0.001	(0.162)	-0.271*	(0.106)	-0.207	(0.159)	0.005	(0.147)	0.309	(0.222)
	Constant	7.416***	(0.222)	7.876***	(0.085)	7.615***	(0.050)	7.339***	(0.068)	7.117***	(0.068)	6.869***	(0.121)
	Level 3 random intercept (sd)	0.704		0.940		0.967		1.092		1.127		1.112	
	Level 2 random intercept (sd)	0.707		0.210		0.431		0.393		0.512		0.427	
	Level 1 errors (sd)	1.065		1.155		1.234		1.230		1.253		1.219	
	<i>Model 6</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	0.543+	(0.292)	0.007	(0.169)	-0.431***	(0.112)	-0.460**	(0.163)	-0.417**	(0.149)	-0.019	(0.228)
	Constant	7.265***	(0.323)	8.098***	(0.242)	7.656***	(0.104)	7.607***	(0.117)	7.215***	(0.140)	6.876***	(0.387)
	Level 3 random intercept (sd)	0.630		0.882		0.916		1.019		1.005		1.019	
	Level 2 random intercept (sd)	0.707		0.215		0.435		0.388		0.509		0.444	
	Level 1 errors (sd)	1.060		1.148		1.234		1.229		1.249		1.217	

	<i>Observations</i>	420	875	5,676	3,239	5,536	1,928						
	<i>People</i>	156	379	1,098	733	755	272						
<i>1st generation immigrant</i>	<i>Model 1</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	0.090	(0.231)	0.131	(0.173)	-0.124	(0.107)	-0.006	(0.142)	0.101	(0.129)	0.386	(0.211)
	Constant	7.369***	(0.186)	7.587***	(0.068)	7.367***	(0.038)	7.100***	(0.046)	6.974***	(0.048)	6.590***	(0.101)
	Level 3 random intercept (sd)	0.824		1.021		1.082		1.157		1.142		1.300	
	Level 2 random intercept (sd)	0.648		0.187		0.319		0.333		0.497		0.487	
	Level 1 errors (sd)	1.093		1.329		1.339		1.313		1.300		1.254	
	<i>Model 6</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	0.267	(0.243)	0.135	(0.179)	-0.356***	(0.108)	-0.317*	(0.144)	-0.291*	(0.129)	-0.069	(0.218)
	Constant	7.473***	(0.271)	8.078***	(0.212)	7.507***	(0.085)	7.438***	(0.094)	7.315***	(0.109)	7.003***	(0.331)
	Level 3 random intercept (sd)	0.784		0.981		1.012		1.067		1.031		1.200	
	Level 2 random intercept (sd)	0.626		0.227		0.330		0.336		0.503		0.498	
	Level 1 errors (sd)	1.087		1.328		1.338		1.313		1.298		1.253	
	<i>Observations</i>	882	1,295	9,797	7,247	9,966	3,608						
	<i>People</i>	272	603	2,004	1,586	1,503	558						
<i>1.5 generation immigrant</i>	<i>Model 1</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	(0.254)	(0.366)	0.258	(0.195)	-0.010	(0.156)	0.569*	(0.316)	0.407	(0.308)	(0.130)	(0.836)
	Constant	7.334***	(0.236)	7.687***	(0.104)	7.217***	(0.076)	6.751***	(0.158)	6.630***	(0.284)	6.626***	(1.254)
	Level 3 random intercept (sd)	0.824		1.047		1.122		1.093		1.046		0.430	
	Level 2 random intercept (sd)	0.001		0.001		0.001		0.762		0.580		0.430	
	Level 1 errors (sd)	1.172		1.241		1.327		1.272		1.259		0.825	
	<i>Model 6</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	(0.030)	(0.293)	0.142	(0.224)	-0.389*	(0.173)	-0.050	(0.359)	-0.100	(0.348)	(0.001)	(0.554)
	Constant	5.570***	(0.507)	7.021***	(0.431)	7.443***	(0.223)	7.131***	(0.306)	6.698***	(0.394)	4.090*	(1.625)
	Level 3 random intercept (sd)	0.207		0.956		1.015		0.956		0.971		0.001	
	Level 2 random intercept (sd)	0.001		0.001		0.108		0.709		0.394		0.001	
	Level 1 errors (sd)	1.161		1.229		1.326		1.260		1.256		0.703	
	<i>Observations</i>	154	722	3,050	867	590	42						
	<i>People</i>	53	289	420	179	106	6						
<i>Male immigrant</i>	<i>Model 1</i>												
	<i>Marriage type</i>												
	Intermarriage (ref. intramarriage)	-0.155	(0.313)	0.404*	(0.195)	-0.166	(0.130)	-0.144	(0.193)	0.091	(0.172)	0.521*	(0.286)

	Constant	7.136***	(0.206)	7.602***	(0.070)	7.315***	(0.041)	7.033***	(0.050)	6.970***	(0.053)	6.544***	(0.110)
	Level 2 random intercept (sd)	1.111		0.960		1.137		1.232		1.217		1.358	
	Level 1 errors (sd)	1.047		1.387		1.346		1.299		1.326		1.243	
	<i>Model 6</i>												
	Marriage type												
	Intermarriage (ref. intramarriage)	-0.134	(0.317)	0.303	(0.202)	-0.403**	(0.131)	-0.522**	(0.194)	-0.483**	(0.171)	-0.080	(0.287)
	Constant	7.591***	(0.310)	7.898***	(0.231)	7.689***	(0.099)	7.564***	(0.107)	7.180***	(0.126)	6.571***	(0.524)
	Level 2 random intercept (sd)	0.973		0.918		1.055		1.127		1.092		1.225	
	Level 1 errors (sd)	1.043		1.383		1.345		1.300		1.324		1.241	
	<i>Observations</i>	466		981		6,360		4,083		5,213		1,829	
	<i>People</i>	150		432		1,187		884		799		284	
<i>Female immigrant</i>	<i>Model 1</i>												
	Marriage type												
	Intermarriage (ref. intramarriage)	0.200	(0.228)	-0.009	(0.165)	-0.115	(0.111)	0.195	(0.166)	0.134	(0.153)	0.349	(0.263)
	Constant	7.586***	(0.184)	7.735***	(0.072)	7.407***	(0.040)	7.133***	(0.050)	6.958***	(0.054)	6.619***	(0.113)
	Level 2 random intercept (sd)	0.869		1.086		1.090		1.190		1.247		1.367	
	Level 1 errors (sd)	1.151		1.220		1.326		1.317		1.270		1.266	
	<i>Model 6</i>												
	Marriage type												
	Intermarriage (ref. intramarriage)	0.369	(0.235)	-0.090	(0.174)	-0.329**	(0.118)	-0.132	(0.171)	-0.178	(0.157)	-0.186	(0.293)
	Constant	7.505***	(0.301)	8.199***	(0.271)	7.519***	(0.108)	7.575***	(0.106)	7.521***	(0.121)	7.186***	(0.407)
	Level 2 random intercept (sd)	0.819		1.030		1.035		1.110		1.162		1.292	
	Level 1 errors (sd)	1.138		1.214		1.325		1.315		1.267		1.266	
	<i>Observations</i>	570		1,036		6,487		4,031		5,343		1,821	
	<i>People</i>	175		460		1,237		881		810		280	

Source: Calculations based on GSOEP 1984-2018
Standard errors in parentheses
+ p < 0.10, * p < 0.05, ** p < 0.01, *** p < 0.001
(coef.) to low case numbers