Online Appendix for "Whom Do We Naturalize? A Factorial Survey on Naturalization Preferences in Germany"

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ABSTRACT

KEYWORDS

Citizenship; naturalization; migration; factorial survey

Content

- (1) Survey description
- (2) Orthogonality
- (3) Full regression tables
- (4) Likelihood-ratio test
- (5) Non-differentation
- (6) Different model specifications
- (7) Bibliography

1. Survey description

The survey was administered by OmniQuest using their online access panel for which participants are recruited through online and offline channels. The sample was selected to be representative of the German population regarding age, gender, and region (NUTS-1 regions, i.e., federal states). Using secondary data from another high-quality survey, the German General Social Survey (ALLBUS) in its' most recent wave of 2021 (GESIS - Leibniz-Institut für Sozialwissenschaften 2023), I show that respondent characteristics closely align in both survey (see Figure A1). However, as can be expected from survey that requires internet access, the participants in the online survey are slightly younger than in the ALLBUS, which is conducted in a mixed-mode design by mail and CAWI.

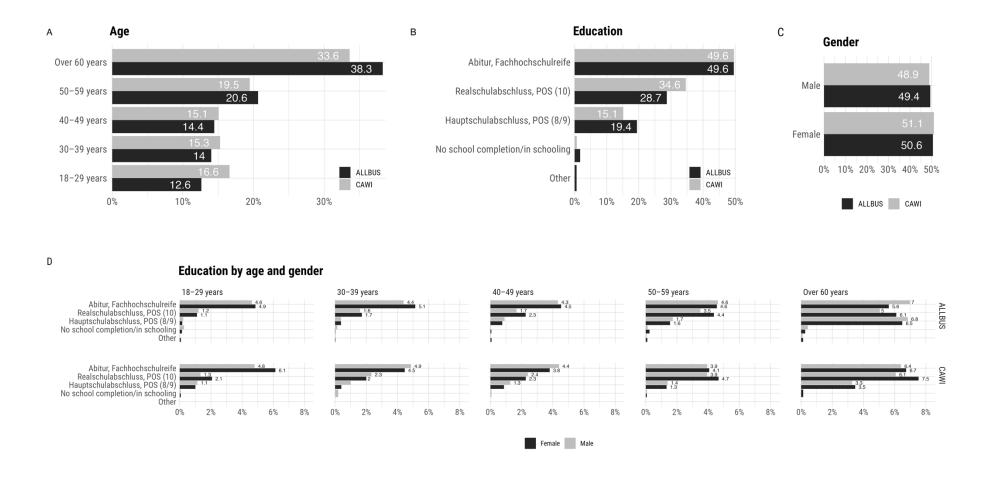


Figure A1. Frequency distribution of age, education, and gender in online survey and ALLBUS (2021)

2. Orthogonality

Table A1. Correlations between vignette variables

	Gender	Country of origin	Residence period	Employ- ment	German proficiency	Dual citizenship
Gender	1.000	-0.005	0.000	-0.005	0.000	-0.001
Country of origin	-0.005	1.000	0.003	0.004	0.000	0.001
Residence period	0.000	0.003	1.000	0.003	0.002	-0.002
Employment	-0.005	0.004	0.003	1.000	-0.005	0.006
German proficiency	0.000	0.000	0.002	-0.005	1.000	0.002
Dual citizenship	-0.001	0.001	-0.002	0.006	0.002	1.000

3. Full regression tables
Table A2. Multilevel modeling results

	Unconditional	Vignette	Vignette interactions	Respondent characteristics	Full model
Intercept	4.233***	2.841***	2.720***	4.212***	4.649***
	(0.088)	(0.077)	(0.084)	(0.212)	(0.240)
Gender: Male (ref.: Female)		-0.099* (0.047)	0.129 (0.090)	0.107 (0.091)	0.096 (0.092)
Country of origin: Turkey (ref.: Great		(0.047)	` ,	` ,	, ,
Britain)		0.368***	-0.362***	-0.367***	0.173
		(0.059)	(0.057)	(0.057)	(0.142)
India		0.323***	-0.317***	-0.315***	0.068
		(0.059)	(0.056)	(0.056)	(0.144)
Duration of residence: 5 years (ref.: 3 years)		0.120*	0.148+	0.120	0.110
4.0		(0.060)	(0.080)	(0.080)	(0.081)
10 years		0.277*** (0.061)	0.315*** (0.080)	0.295*** (0.080)	0.294*** (0.081)
Language proficiency: Very good		` ,	` ,	, ,	` ,
(ref.: Little)		1.347***	1.348***	1.357***	1.356***
Employment: Employed (ref.:		(0.047)	(0.044)	(0.045)	(0.045)
Seeking employment)		0.949***	0.952***	0.947***	0.467***
,		(0.047)	(0.045)	(0.045)	(0.113)
Current citizenship: Renounce (ref.: Retain)		0.783***	0.972***	0.961***	-0.047
		(0.047)	(0.064)	(0.064)	(0.157)
Current citizenship: Renounce ×			-0.375***		- 0.251444
Gender: Male			(0.091)		0.351*** (0.092)
Gender: Male × Residence period: 5			-0.051		(0107 =)
years			(0.112)		
Gender: Male × Residence period: 10			, ,		
years			-0.076		
Conden (see). Mele			(0.111)	0.1241	0.1201
Gender (resp.): Male				-0.124+ (0.066)	-0.120+ (0.066)
Age (resp.)				-0.004+	-
8 (1 /				(0.002)	0.011*** (0.002)
Education (resp.): Realschule (10)				-0.097	-0.099
(ref.: Hauptschule (8/9))					
Abitur, Fachhochschulreife				(0.100) 0.003	(0.100) 0.000
Tibitar, i actinochscharene				(0.098)	(0.098)
No diploma/in school				-0.433	-0.429
Citizenship (resp.): Dual citizenship				(0.403)	(0.403)
(ref.: Only German)				0.473***	0.471***
Thind				(0.128)	(0.128)
Third country				-0.039 (0.178)	-0.032 (0.178)
Region (resp.): East Germany (ref.: West Germany)				0.138	0.139
west Germany)				(0.091)	(0.091)
Immigration concern (resp.)				-0.237***	-
-80 (1-00h-)					0.253*** (0.029)
		Con	tinued on next p	(0.020)	(0.029)

Economic concern (resp.)				-0.007 (0.019)	-0.006 (0.019)
Party preference (resp.): SPD (ref.: CDU/CSU)				0.480***	0.471***
Bündnis 90 / Die Grünen				(0.113) 0.199	(0.113) 0.201
FDP				(0.124) 0.132	(0.125) 0.124
Die Linke				(0.161) 0.011	(0.161) 0.016
AfD				(0.157) -0.365**	(0.157) -0.367**
Other				(0.115) -0.378* (0.175)	(0.115) -0.369* (0.175)
No preference				-0.032 (0.098)	-0.035 (0.098)
Current citizenship: Renounce × Age (resp.)				(0.070)	0.014***
Country of origin: Turkey ×					(0.002)
Immigration concern (resp.)					0.106*** (0.025)
Country of origin: India × Immigration concern (resp.)					-0.074**
Employment: Employed ×					(0.026)
Immigration concern (resp.)					0.094***
Current citizenship: Renounce × Immigration concern (resp.)					(0.020) 0.056**
· 1,					(0.020)
Num.Obs.	6000	6000	6000	5964	5964
R2 Marg.	0.000	0.201	0.203	0.292	0.300
R2 Cond.	0.527	0.524	0.523	0.529	0.539
AIC	23746.0	23452.3	23449.7	23043.7	22996.1
BIC ICC	23772.8 0.5	23532.7 0.4	23550.2 0.4	23257.9 0.3	23243.8 0.3
RMSE	0.5 1.29	1.30	1.30	0.3 1.31	1.29

4. Likelihood-ratio test

Table A3. Results of a likelihood-ratio test

Term	DF	LRT	Þ
Gender	1	278.26	0.0000
Country of origin	1	409.19	0.0000
Residence period	1	831.52	0.0000
Employment	2	10.45	0.0001
German proficiency	2	23.09	0.0000
Dual citizenship	1	4.42	0.0378
Gender × Country of origin	1	1.44	0.2339
Gender × Residence period	1	9.49	0.0027
Gender × Employment	2	0.02	0.9827
Gender × German proficiency	2	1.02	0.3642
Gender × Dual citizenship	1	17.78	0.0001
Country of origin × Residence period	1	0.86	0.3574
Country of origin × Employment	2	2.91	0.0596
Country of origin × German proficiency	2	0.27	0.7649
Country of origin × Dual citizenship	1	1.37	0.2449
Residence period × Employment	2	0.28	0.7530
Residence period × German proficiency	2	0.15	0.8649
Residence period × Dual citizenship	1	0.20	0.6589
Employment × German proficiency	4	1.39	0.2440
Employment × Dual citizenship	2	0.24	0.7884
German proficiency × Dual citizenship	2	0.99	0.3766

5. Full regression tablesTable A4. Multilevel modeling results

	Unconditional	Vignette	Vignette interactions	Respondent characteristics	Full model
Intercept	4.224***	2.665***	2.549***	3.796***	4.196***
	(0.093)	(0.080)	(0.088)	(0.205)	(0.242)
Gender: Male (ref.: Female)		-0.103* (0.051)	0.120 (0.098)	0.103 (0.098)	0.092 (0.099)
Country of origin: Turkey (ref.: Great		(0.031)	` ,	` ,	, ,
Britain)		0.399***	-0.395***	-0.397***	0.220
		(0.064)	(0.061)	(0.061)	(0.159)
India		0.330***	-0.327***	-0.324***	0.155
		(0.063)	(0.060)	(0.061)	(0.161)
Duration of residence: 5 years (ref.: 3 years)		0.144*	0.156+	0.129	0.118
		(0.064)	(0.086)	(0.087)	(0.087)
10 years		0.285***	0.314***	0.297***	0.296***
Language proficiency: Very good		(0.065)	(0.086)	(0.087)	(0.087)
(ref.: Little)		1.496***	1.498***	1.507***	1.504***
E 1 (E 1 1/6		(0.051)	(0.048)	(0.049)	(0.049)
Employment: Employed (ref.: Seeking employment)		1.061***	1.062***	1.061***	0.549***
,		(0.051)	(0.048)	(0.049)	(0.127)
Current citizenship: Renounce (ref.: Retain)		0.865***	1.063***	1.053***	0.031
retain)		(0.051)	(0.069)	(0.070)	(0.173)
Current citizenship: Renounce ×		` ,	-0.393***	, ,	
Gender: Male			(0.098)		0.372*** (0.099)
Gender: Male × Residence period: 5			-0.026		(0.077)
years					
Gender: Male × Residence period: 10			(0.120)		
years			-0.059		
C 1 () M1			(0.120)	0.072	0.040
Gender (resp.): Male				-0.073 (0.061)	-0.068 (0.061)
Age (resp.)				-0.005**	- 0.01 2 ***
				(0.002)	0.012*** (0.002)
Education (resp.): Realschule (10)				-0.105	-0.105
(ref.: Hauptschule (8/9))					
Abitur, Fachhochschulreife				(0.094) -0.049	(0.094) -0.050
Table 1 werm of the content of the c				(0.092)	(0.092)
No diploma/in school				-0.416	-0.407
Citizenship (resp.): Dual citizenship				(0.351)	(0.351)
(ref.: Only German)				0.288*	0.287*
Third country				(0.123) -0.038	(0.123)
Third country				-0.038 (0.164)	-0.031 (0.164)
Region (resp.): East Germany (ref.: West Germany)				0.068	0.070
west Germany)				(0.083)	(0.083)
Immigration concern (resp.)				-0.164***	-
6-11-2-1 -2-1-2-11 (1-00h-)				(0.019)	0.171*** (0.030)
		Con	tinued on next 1		(0.030)

Economic concern (resp.)				-0.006 (0.018)	-0.005 (0.018)
Party preference (resp.): SPD (ref.: CDU/CSU)				0.396***	0.382***
Bündnis 90 / Die Grünen				(0.104) 0.055 (0.115)	(0.104) 0.054 (0.115)
FDP				0.041	0.031
Die Linke				(0.144) -0.063	(0.144) -0.060
AfD				(0.141) -0.217* (0.107)	(0.141) -0.226* (0.107)
Other				-0.445**	-0.437**
No preference				(0.168) -0.118 (0.090)	(0.169) -0.121 (0.090)
Current citizenship: Renounce × Age (resp.)				(3.27.2)	0.014***
Country of origin: Turkey × Immigration concern (resp.)					(0.002) - 0.119*** (0.028)
Country of origin: India × Immigration concern (resp.)					-0.091**
Employment: Employed × Immigration concern (resp.)					(0.029) 0.100***
. 17					(0.023)
Current citizenship: Renounce × Immigration concern (resp.)					0.054*
Num.Obs.	5304	5304	5304	5276	(0.023) 5276
R2 Marg.	0.000	0.265	0.268	0.313	0.321
R2 Cond.	0.460	0.460	0.461	0.466	0.477
AIC	20799.5	20493.5	20491.5	20257.5	20216.5
BIC	20825.8	20572.4	20590.1	20467.8	20459.6
ICC	0.5	0.3	0.3	0.2	0.2
RMSE	1.35	1.36	1.37	1.37	1.35

⁺ p < 0.1, * p < 0.05, ** p < 0.01, *** p < 0.001

6. Full regression tablesTable A5. Multilevel modeling results

	Unconditional	Vignette	Vignette	Respondent	Full
Intercept	4.317***	2.286***	interactions 2.101***	characteristics 4.265***	model 4.846***
тиетсері	(0.059)	(0.102)	(0.115)	(0.329)	(0.370)
Gender: Male (ref.: Female)	,	-0.140*	0.201+	0.173	0.157
Country of a minima Tumbray (not Count		(0.059)	(0.117)	(0.117)	(0.115)
Country of origin: Turkey (ref.: Great Britain)		0.572***	-0.561***	-0.565***	0.280
,		(0.075)	(0.074)	(0.074)	(0.211)
India		- 0.489***	-0.481***	-0.476***	0.208
		(0.074)	(0.074)	(0.073)	(0.215)
Duration of residence: 5 years (ref.: 3		0.173*	0.204+	0.164	0.151
years)		(0.075)	(0.105)	(0.104)	(0.103)
10 years		0.410***	0.485***	0.460***	0.458***
		(0.077)	(0.106)	(0.105)	(0.104)
Language proficiency: Very good (ref.: Little)		1.973***	1.976***	1.989***	1.984***
(tell lattle)		(0.059)	(0.059)	(0.059)	(0.058)
Employment: Employed (ref.:		1.385***	1.388***	1.384***	0.656***
Seeking employment)		(0.059)	(0.058)	(0.058)	(0.168)
Current citizenship: Renounce (ref.:		1.174***	1.459***	1.444***	-0.069
Retain)		(0.059)	(0.084)	(0.084)	(0.231)
Current citizenship: Renounce ×		(0.037)	-0.563***	(0.004)	(0.231)
Gender: Male					0.524***
Gender: Male × Residence period: 5			(0.118)		(0.116)
years years			-0.053		
Candam Mala × Pasidanas nasiadi 10			(0.146)		
Gender: Male × Residence period: 10 years			-0.148		
			(0.145)		
Gender (resp.): Male				-0.228* (0.105)	-0.220* (0.105)
A ()				, ,	(0.103)
Age (resp.)				-0.005	0.015***
Education (resp.): Realschule (10)				(0.003)	(0.004)
(ref.: Hauptschule (8/9))				-0.106	-0.110
, , ,				(0.159)	(0.159)
Abitur, Fachhochschulreife				0.052 (0.156)	0.047 (0.156)
No diploma/in school				-0.637	-0.627
-				(0.637)	(0.638)
Citizenship (resp.): Dual citizenship (ref.: Only German)				0.749***	0.746***
(ici Oiny Ociman)				(0.205)	(0.205)
Third country				-0.071	-0.059
Region (resp.): East Germany (ref.:				(0.282)	(0.282)
West Germany)				0.190	0.196
••				(0.145)	(0.145)
Immigration concern (resp.)				-0.372***	- 0.381***
				(0.032)	(0.044)
				Continued or	next page

Economic concern (resp.)	-0.012 (0.031)	-0.010 (0.031)
Party preference (resp.): SPD (ref.: CDU/CSU)	0.854***	0.837***
Bündnis 90 / Die Grünen	(0.180) 0.429* (0.198)	(0.180) 0.431* (0.198)
FDP	0.355	0.346
Die Linke	(0.255) 0.155 (0.249)	(0.255) 0.166 (0.249)
AfD	-0.568**	-0.579**
Other	(0.184) -0.527+ (0.280)	(0.184) -0.509+ (0.281)
No preference	0.083 (0.155)	0.081 (0.155)
Current citizenship: Renounce × Age (resp.)		0.022***
Country of origin: Turkey ×		(0.003)
Immigration concern (resp.)		0.165*** (0.039)
Country of origin: India ×		0.132***
Immigration concern (resp.)		(0.039)
Employment: Employed ×		0.142***
Immigration concern (resp.)		(0.031)
Current citizenship: Renounce ×		0.079*
Immigration concern (resp.)		(0.031)

⁺ p < 0.1, * p < 0.05, ** p < 0.01, *** p < 0.001

7. Bibliography

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