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How Often Have You Felt Disadvantaged? Explaining Perceived Discrimination

Claudia Diehl · Elisabeth Liebau · Peter Muhlau

Online Appendix

Table A1: Generation of variables and missing

	Original GSOEP variables	Values (generation)	Share missing** for the regression population of model 'PD'
Perceived discrimination	mp95a np107a op108 pp124 qp127 rp125 sp123 tp131 up132 vp144 wp133 xp144 yp142 zp142 bap140 bbp145 bdp148 bfp165	Experienced discrimination 0= never 1= seldom or often (recode original variables (3=0) (1 2=1))	0%
More than basic education	Casmin	Education: 0=less or basic 1= more than basic (recode original variables (0 1 2 3 4=0) (5 6 7 8 9=1))	5%
Good German language skills	np103a01 pp12201 rp12401 tp13001 vp14301 xp13501 yp13401 zp13301 bap13201 bbp13601 bdp13901 bfp15401 np103a02 pp12202 rp12402 tp13002 vp14302 xp13502 yp13402 zp13302 bap13202 bbp13602 bdp13902 bfp15402	German writing and talking skills 0= both are at least worse than „good” or no answer 1= one is at least „good” (recode original variables (3 4 5=0) (1 2=1))	10%
Share of German friends	mp06a03 mp06b03 mp06c03 rp106a03 rp106b03 rp106c03 wp11610 wp11611 wp11612 bbp12610 bbp12611 bbp12612	Share of German friends 0-1(0-100%) recode original variables (1 2=1) (3=0), gen(original variables new) replace friend = original variables new 1. friend if original variables new 1. friend >=0; replace friend = original variables new 2. friend if original variables new 2. friend >=0 replace friend = original variables new 3. friend if original variables new 3. friend >=0 replace friend =(original variables new 1. friend + original variables new 2. friend)/2 if original variables new 1. friend >=0 & original variables new 2. friend >=0 replace friend =(original variables new 1. friend + original variables new 3. friend)/2 if original variables new 1. friend & original variables new 3. friend >=0 replace friend =(original variables new 2. friend + original variables new 3. friend)/2 if original variables new 2. friend >=0 & original variables new 3. friend >=0 replace friend =(original variables new 1. friend + original variables new 2. friend + original variables new 3. friend)/3 if original variables new 1. friend >=0 & original variables new 2. friend >=0 & original variables new 3. friend >=0	8%
Identification with Germany	np110a01 pp127 rp128 tp134 bap142 bcp147 bep139	Identification with Germany 0= no or weak or modest 1= a (very) strong (recode original variables (3 4 5=0) (1 2=1))	3%

Employment	Lfs	Employed 0=not employed 1=employed (recode original variables (1 2 3 4 5 6 8 9 10=0)(11 12=1)	0%
Adequate employed	iscd97 isco88	Adequately employed: <u>Dependent variable:</u> 0= not adequately employed 1= adequately employed replace adaequat = 1 if (iscd97>= 5 & iscd97<= 6) & (isco88>= 1 & isco88< 4000); replace adaequat = 1 if (iscd97>= 2 & iscd97 <= 4) & (isco88 >= 1 & isco88 < 9000) replace adaequat = 0 if (iscd97>= 5 & iscd97<= 6) & (isco88>= 4000 & isco88<= 9999); replace adaequat = 0 if (iscd97>= 2 & iscd97<= 4) & (isco88>= 9000 & isco88<.) <u>Independent variable:</u> 0= not adequately employed or unemployed 1= adequately employed replace adaequat `y' = 0 if lf`y'==0 replace adaequat = 1 if (iscd97>= 5 & iscd97<= 6) & (isco88>= 1 & isco88< 4000); replace adaequat = 1 if (iscd97>= 2 & iscd97 <= 4) & (isco88 >= 1 & isco88 < 9000) replace adaequat = 0 if (iscd97>= 5 & iscd97<= 6) & (isco88>= 4000 & isco88<= 9999); replace adaequat = 0 if (iscd97>= 2 & iscd97<= 4) & (isco88>= 9000 & isco88<.)	8%
affective well-being	xp0601 yp0201 zp11701 bap12501 bbp15001 bcp0201 bdp0201 bep0301 bfp0201 xp0602 yp0202 zp11702 bap12502 bbp15002 bcp0202 bdp0202 bep0302 bfp0202 xp0603 yp0203 zp11703 bap12503 bbp15003 bcp0203 bdp0203 bep0303 bfp0203" xp0604 yp0204 zp11704 bap12504 bbp15004 bcp0204 bdp0204 bep0304 bfp0204	1-5, as 1=high affective well-being – 5=low affective well-being *	26%
Externally oriented locus of control	pp10701 pp10702 pp10703 pp10705 pp10707 pp10708 pp10710 vp12701 vp12702 vp12703 vp12705 vp12707 vp12708 vp12710 bap0201	1-7, as 1 weak external locus of control – 7 strong external locus of control *	22%

	bap0202 bap0203 bap0205 bap0207 bap0208 bap0210		
Big Five: openness	vp12504 zp12004 bdp15104 vp12509 zp12009 bdp15109 vp12514 zp12014 bdp15114	1-7, as 1 less open (...) – 7 very open (...)	21%
Big Five: conscientiousness	vp12501 zp12001 bdp15101 vp12507 zp12007 bdp15107 vp12511 zp12011 bdp15111	*	21%
Big Five: extraversion	vp12502 zp12002 bdp15102 vp12508 zp12008 bdp15108 vp12512 zp12012 bdp15112	*	20%
Big Five: agreeableness	vp12503 zp12003 bdp15103 vp12506 zp12006 bdp15106 vp12513 zp12013 bdp15113	*	20%
Big Five: neuroticism	vp12505 zp12005 bdp15105 vp12510 zp12010 bdp15110 vp12515 zp12015 bdp15115	*	20%
Tendency to forgive	bap12407 bap12408 bap12409 bap12410 bfp0607 bfp0608 bfp0609 bfp0610	1-7, as 1 less forgiving – 7 very forgiving *	46%
Believe most people try to treat other people fairly	tp04 yp04 bdp04	0=believe people are not fair 1=believe people are fair *	14%
Believe most people attempt to be helpful	tp05 yp05 bdp05	0=believe people are not helpful 1= believe people are helpful *	13%

Notes: ** based on years in persons, * high share of missing because personality measures were introduced late in the GSOEP, consequently there are no data available for persons who were part of the GSOEP in the 1990s and early 2000s; for generation see https://www.diw.de/documents/publikationen/73/diw_01.c.571151.de/diw_ssp0423.pdf

Table A2: Descriptive statistics

	Share with change over time	mean (standard deviation)					
		Turkey first generation	Turkey second generation	Other labor migrants first generation	Other labor migrants second generation	Eastern Europe/GUS first generation	Ethnic German first generation
Perceived discrimination	0.49 5.022	0.55 (0.35) 793	0.51 (0.38) 419	0.41 (0.36) 1.190	0.30 (0.36) 608	0.38 (0.40) 422	0.38 (0.39) 1.308
More than basic education	0.07 5.392	0.15 (0.35) 811	0.32 (0.42) 427	0.17 (0.36) 1.217	0.41 (0.47) 660	0.52 (0.49) 470	0.40 (0.47) 1.459
Good German language skills	0.18 5.194	0.44 (0.44) 822	0.95 (0.19) 446	0.57 (0.44) 1.226	0.97 (0.15) 643	0.78 (0.38) 447	0.81 (0.35) 1.288
Share of German friends	0.37 3.985	0.20 (0.28) 716	0.38 (0.36) 347	0.33 (0.35) 1.045	0.55 (0.37) 501	0.51 (0.38) 288	0.45 (0.39) 943
Identification with Germany	0.22 5.537	0.14 (0.29) 833	0.43 (0.43) 458	0.25 (0.38) 1.241	0.55 (0.44) 683	0.51 (0.45) 482	0.82 (0.34) 1.481
Employment	0.34 5.537	0.48 (0.43) 833	0.59 (0.40) 458	0.56 (0.43) 1.241	0.73 (0.35) 683	0.57 (0.43) 482	0.64 (0.42) 1.481
Adequate employed (dependent variables)	0.17 3.685	0.72 (0.40) 457	0.88 (0.27) 323	0.77 (0.37) 743	0.87 (0.29) 550	0.74 (0.43) 317	0.78 (0.38) 1.082
Adequate employed (independent variables)	0.30 5.371	0.32 (0.41) 806	0.49 (0.42) 446	0.39 (0.43) 1.174	0.62 (0.41) 662	0.41 (0.40) 476	0.49 (0.44) 1.463
affective well-being	0.76 3.527	2.57 (0.65) 469	2.51 (0.61) 294	2.54 (0.64) 635	2.47 (0.63) 457	2.53 (0.67) 358	2.41 (0.59) 1.034
Externally oriented locus of control		3.84 (0.91) 495	3.61 (0.98) 293	3.70 (1.07) 669	3.31 (0.94) 418	3.55 (1.00) 309	3.40 (0.95) 923
Big Five: openness		3.80 (1.22) 458	4.44 (1.07) 251	4.12 (1.39) 616	4.75 (1.20) 353	4.75 (1.26) 242	4.29 (1.27) 785
Big Five: conscientiousness		5.76 (1.04) 460	5.68 (1.00) 250	5.99 (0.94) 612	5.83 (1.00) 356	6.03 (0.88) 244	6.06 (0.87) 786
Big Five: extraversion		4.37 (1.19) 464	4.97 (1.16) 248	4.70 (1.19) 617	5.13 (1.04) 356	4.73 (1.17) 243	4.56 (1.20) 790
Big Five: agreeable-ness		5.52 (1.03) 460	5.43 (0.98) 250	5.52 (0.95) 620	5.44 (0.94) 356	5.58 (0.95) 245	5.69 (0.98) 796
Big Five: neuroticism		4.06 (1.16) 465	3.96 (1.22) 251	4.14 (1.26) 613	3.68 (1.23) 356	4.06 (1.22) 246	4.04 (1.22) 793
Tendency to forgive		3,77 (1.03) 277	3.68 (1.18) 215	3.96 (1.09) 448	3.87 (1.16) 312	3.93 (1.03) 250	4.16 (1.08) 699
Believe most people try to treat other people fairly		0.42 (0.49) 579	0.43 (0.50) 329	0.46 (0.50) 786	0.48 (0.50) 505	0.53 (0.50) 381	0.54 (0.50) 1.135
Believe most people attempt to be helpful		0.37 (0.48) 586	0.34 (0.47) 335	0.36 (0.48) 790	0.34 (0.47) 503	0.40 (0.49) 386	0.43 (0.49) 1.148

Table B1: Logistic multi-level regressions of Perceived Discrimination (cp. Table 2)

	Perceived discrimination		Perceived discrimination	
	D	M	D	M
Turkey 2 nd Generation		-.71*** (.16)		-.08 (.15)
Other Labour Migrants, 1 st gen		-.96*** (.11)		-.79*** (.11)
Other Labour Migrants, 2 nd gen		-1.93*** (.14)		-1.10*** (.14)
Eastern Europeans, 1 st gen		-.92*** (.16)		-.16 (.15)
Ethnic Germans, 1 st gen		-1.18*** (.12)		.06 (.13)
More than basic education	.07 (.11)	-.11 (.09)	.11 (.11)	.18* (.09)
German language skills			.01 (.06)	-.30* (.12)
German Friends			-.08 (.07)	-.40** (.12)
Identification w. Germany			-.01 (.06)	-1.03*** (.12)
In employment			-.05 (.08)	.52** (.16)
In adequate employment			-.01 (.08)	-.51** (.16)
Low affective well-being			.13* (.05)	.44*** (.07)
External locus of Control				.21*** (.04)
Big 5: Openness				.01 (.04)
Big 5: Conscientiousness				-.09* (.04)
Big 5: Extraversion				-.07 (.04)
Big 5: Agreeableness				-.11* (.04)
Big 5: Neuroticism				.06 (.03)
Tendency to forgive				-.06 (.03)

Fairless belief			- .28**
			(.08)
Helpful belief			-.07
			(.09)
Eastern Germany*	.05	.26	
	(.30)	(.29)	
Rural Area*	.23	.21*	
	(.10)	(.09)	
Age*	-.02***	-.02***	
	(.00)	(.00)	
Married*	.16*	.14*	
	(.06)	(.06)	
Female*	-.26***	-.33***	
	(.07)	(.07)	
N years in person	28254	28254	
N persons	4442	4442	

Notes: *p<=0.05, **p<=0.01, ***p<=0.001; * Control variables: Raw values only

Regression also include dummy variables for cases with imputed values (D) and the proportion of missing values (M) (not reported)

Table B2: Group specific estimates for logistic multi-level regressions of perceived discrimination on different integration indicators (average effects of Model 2 substituted by group specific effects, Table B1)

Group-specific estimates of	Language Skills	Social Integration	Identification	Adequate Employment	Education
Mean X					
Turkey 1 st gen	-.11 (.21)	-.26 (.31)	-.49 (.31)	-.54* (.26)	.22 (.25)
Turkey 2 nd gen	.22 (.45)	-.09 (.34)	-.71* (.32)	-.26 (.35)	.71* (.30)
Other Labour Migrants, 1 st gen	-.61*** (.17)	-.35 (.21)	-1.08*** (.22)	-.50* (.23)	.03 (.20)
Other Labour Migrants, 2 nd gen	.36 (.41)	-.50 (.27)	-1.25*** (.27)	-.36 (.30)	.34 (.23)
Eastern Europeans, 1 st gen	.33 (.35)	-.18 (.34)	-.83* (.33)	-.62 (.33)	.22 (.25)
Ethnic Germans, 1 st gen	-.42 (.24)	-.64** (.20)	-1.41*** (.22)	-.59** (.21)	.03 (.15)
Deviation X					
Turkey 1 st gen	-.02 (.13)	.10 (.19)	.16 (.19)	.01 (.17)	.31 (.37)
Turkey 2 nd gen	.49* (.22)	.31 (.27)	.45* (.21)	.24 (.20)	-.01 (.32)
Other Labour Migrants, 1 st gen	.06 (.11)	-.04 (.16)	-.06 (.14)	-.11 (.14)	.33 (.30)
Other Labour Migrants, 2 nd gen	-.01 (.26)	.07 (.28)	-.10 (.18)	.27 (.18)	.55 (.28)
Eastern Europeans, 1 st gen	-.20 (.22)	-.70* (.32)	-.48* (.24)	.30 (.26)	-.25 (.51)
Ethnic Germans, 1 st gen	-.09 (.13)	-.25 (.16)	-.03 (.16)	-.18 (.15)	-.27 (.22)