Supplement 3: Construction of the weights

Table S3

Population proportions and post-stratification weight factors

Strata	Age	Gender	Education[a]	Dutch Population N(x1000)	%	Sample N[b]	%	Raw Weight Factor[c]	Truncated Weight[d]
1	15 to 25	Men	Low	541	3.90	15	0.13	29.50	8.00
2			Middle	426	2.99	77	0.68	4.53	
3			High	89	0.55	172	1.51	0.42	
4		Women	Low	453	3.34	25	0.22	14.82	8.00
5			Middle	441	3.05	301	2.64	1.20	
6			High	129	0.79	662	5.81	0.16	
7	25 to 35	Men	Low	165	1.24	25	0.22	5.40	
8			Middle	449	3.24	105	0.92	3.50	
9			High	440	2.81	431	3.79	0.84	
10		Women	Low	114	0.94	30	0.26	3.11	
11			Middle	390	2.90	185	1.62	1.72	
12			High	535	3.43	1326	11.65	0.33	
13	35 to 45	Men	Low	179	1.63	32	0.28	4.58	
14			Middle	419	3.54	139	1.22	2.47	
15			High	403	2.96	438	3.85	0.75	
16		Women	Low	157	1.47	39	0.34	3.29	
17			Middle	404	3.70	199	1.75	1.66	
18			High	452	3.00	1043	9.16	0.35	
19	45 to 55	Men	Low	277	2.25	54	0.47	4.20	
20			Middle	536	3.90	155	1.36	2.83	
21			High	427	2.98	631	5.54	0.55	
22		Women	Low	280	2.47	77	0.68	2.97	
23			Middle	563	4.12	327	2.87	1.41	
24			High	398	2.45	1428	12.54	0.23	
25	55 to 65	Men	Low	309	2.18	52	0.46	4.86	
26			Middle	446	3.12	173	1.52	2.11	
27			High	346	2.49	811	7.12	0.35	
28		Women	Low	413	3.23	118	1.04	2.86	
29			Middle	428	2.79	269	2.36	1.30	
30			High	270	1.75	1144	1.05	0.19	
31	65 to 75	Men	Low	321	2.03	30	0.26	8.75	8.00
32			Middle	319	2.19	71	0.62	3.68	
33			High	246	1.53	336	2.95	0.60	
34		Women	Low	508	3.45	45	0.40	9.23	8.00
35			Middle	268	1.77	65	0.57	3.37	
36			High	140	0.76	283	2.49	0.40	
37	75+	Men	Low	235	1.72	8	0.07	24.03	8.00
38			Middle	183	1.34	6	0.05	24.95	8.00
39			High	108	0.79	30	0.26	2.94	
40		Women	Low	489	3.59	7	0.06	57.14	8.00
41			Middle	162	1.19	8	0.07	16.56	8.00
42			High	61	0.45	14	0.12	3.56	
			Total	13,919	100	11,386	100		

Note. Population scores were derived from the Dutch Govermental Agency for Statistics (Statistics Netherlands, 2018).

[a]Highest level of achieved education: Low refers to elementary school and vocational training (VMBO); Middle refers to the first three years of preparatory middle-level applied education (MBO) and higher general education (Havo/Vwo); High refers to higher education (HBO) and university degree.
[b]The total sample of respondents in this table is 11,386 because 101 respondents did not report their education level.
[c]Post-stratification weights were calculated with formula $W(ase)=((NNase/NHase)*(NH/ND))$, in which $W(ase)$ refers to the weighting factor for persons in X with age a, sex s, and education level e (Bijl et al., 1998). $NNase$ refers to the number of persons in the Netherlands with age a, sex s, and education level e, whereas $NHase$ refers to the number of persons in X with age a, sex s, and education level e. NH refers to the total number of respondents in X while NN refers to the total population in the Netherlands.
[d]We truncated the highest post-stratification weights at 8, which reduced the weights for the two low educated youngest strata (strata 1 and 4), the four low educated oldest strata (strata 31, 34, 37 and 40), and for the two middle educated oldest strata (strata 38 and 41).

References

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