

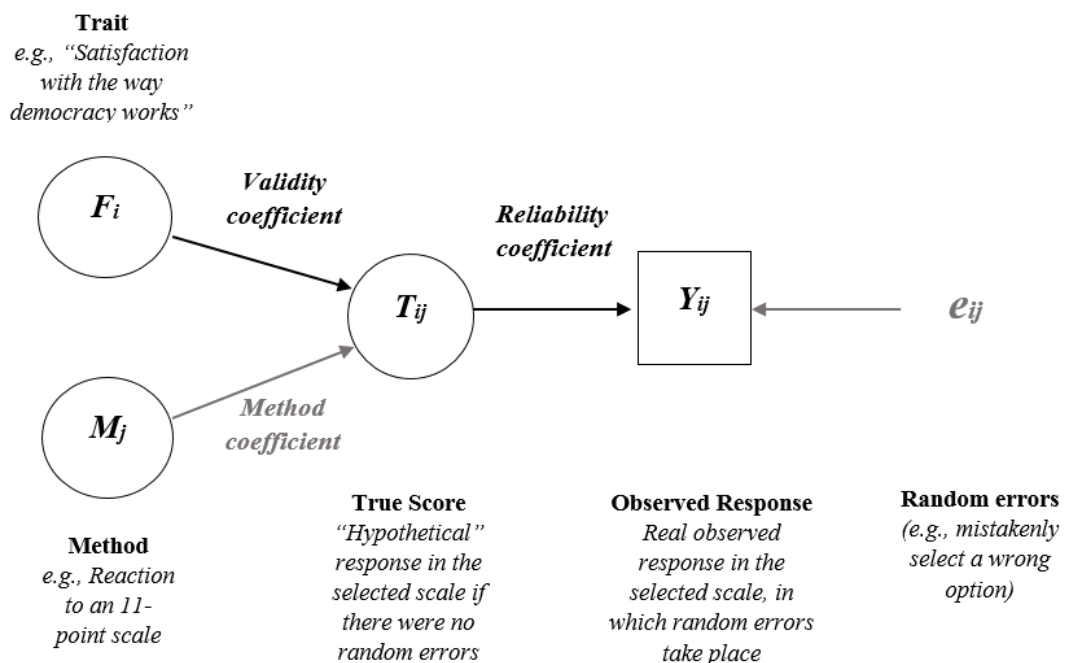
## Online Appendices

**Appendix 1. Pearson correlations between the variables “satisfaction with the way government is doing its job”, “satisfaction with the present state of the economy” and the SWD indicator with both scales (UK, Round 4, using pairwise deletion)**

	Satisfaction with the present state of the economy	Satisfaction with the way government is doing its job	SWD indicator (11-point, Dis/satisfied, end )
SWD indicator (11-point, Extremely Dis/Satisfied, beginning)	.427	.591	.752*
SWD indicator (11-point, Dis/satisfied, end)	.346	.543	1

*\*This correlation should be 1 if both methods measured the concept perfectly.*

## Appendix 2: Figure 1. Path Diagram of the True Score model



**Appendix 3. Sample sizes in each country(-language) group and total sample in pooled data for split-ballot Group 1 (G1) and Group 2 (G2), per round**

Country	Language	Round 1*		Round 2		Round 4	
		G1	G2	G1	G2	G1	G2
<b>Austria</b>	<i>German</i>	1,279	972	766	715		
<b>Belgium</b>	<i>Dutch</i>	316	315	345	340	352	341
<b>Belgium</b>	<i>French</i>			260	249	261	231
<b>Bulgaria</b>	<i>Bulgarian</i>					722	733
<b>Croatia</b>	<i>Croatian</i>					521	451
<b>Cyprus</b>	<i>Cyprus</i>					378	403
<b>Czech Republic</b>	<i>Czech</i>	657	622	1,108	626	669	666
<b>Denmark</b>	<i>Danish</i>	739	720	505	467	526	531
<b>Estonia</b>	<i>Estonian</i>			488	449	382	373
<b>Estonia</b>	<i>Russian</i>			175	168	159	150
<b>Finland</b>	<i>Finnish</i>	887	882	159	150	202	215
<b>Finland</b>	<i>Swedish</i>						
<b>France</b>	<i>French</i>	693	653	557	603	699	583
<b>Germany</b>	<i>German</i>	466	474	956	945	942	883
<b>Great Britain</b>	<i>English</i>	881	900	625	607	747	750
<b>Greece</b>	<i>Greek</i>	1,260	1,297	795	784	700	686
<b>Ireland**</b>	<i>English</i>	361	296	221	204		
<b>Italy***</b>	<i>Italian</i>			435	385		
<b>Luxembourg</b>	<i>French</i>			136	119		
<b>Luxembourg</b>	<i>Luxembourgish</i>			391	363		
<b>Israel</b>	<i>Arab</i>					100	90
<b>Israel</b>	<i>Hebrew</i>	429	388			640	627
<b>Israel</b>	<i>Russian</i>						
<b>Latvia</b>	<i>Latvian</i>					458	489
<b>Latvia</b>	<i>Russian</i>					181	175
<b>Netherlands</b>	<i>Dutch</i>	1,192	1,146	625	593	541	537
<b>Norway</b>	<i>Norwegian</i>	305	298	191	166	266	277
<b>Poland</b>	<i>Polish</i>	1,016	1,053	566	557	548	518
<b>Portugal</b>	<i>Portuguese</i>	246	241	742	723	860	733
<b>Romania</b>	<i>Romanian</i>					687	685
<b>Russia</b>	<i>Russian</i>					817	833
<b>Slovakia</b>	<i>Slovakian</i>			490	472	564	562
<b>Slovenia</b>	<i>Slovenian</i>	254	240	446	446	415	414
<b>Spain</b>	<i>Spanish</i>	289	287	483	494	547	1,285
<b>Spain</b>	<i>Catalan</i>						
<b>Sweden</b>	<i>Swedish</i>	865	830			187	169
<b>Turkey</b>	<i>Turkish</i>			595	598	809	775
<b>Switzerland</b>	<i>French</i>	339	313	177	147	126	122

<b>Switzerland</b>	<i>German</i>			524	519	475	417
<b>Switzerland</b>	<i>Italian</i>						
<b>Ukraine</b>	<i>Russian</i>			369	350	313	311
<b>Ukraine</b>	<i>Ukrainian</i>			307	303	284	276
<b>Pooled Data</b>		12,474	11,927	13,437	12,542	16,079	16,291

\* *In round 1, several languages are sometimes analyzed together within a country group. In these cases, one sample size is presented for all languages together.*

\*\**In round 1, Ireland was not individually analyzed because of problems in the data. It was still included in the pooled data because the expected impact of this inclusion is negligible.*

\*\*\**Italy was excluded from round 1 because a split-ballot design was not implemented.*

## Appendix 4. Showcards of the response scales for all methods

Method	Showcard
M1	<p style="text-align: center;"><b>Extremely dissatisfied</b> <span style="float: right;"><b>Extremely satisfied</b></span></p> <p style="text-align: center;">0   1   2   3   4   5   6   7   8   9   10</p>
M2	<p>Very dissatisfied</p> <p>Fairly dissatisfied</p> <p>Fairly satisfied</p> <p>Very satisfied</p>
M3	<p style="text-align: center;">Extremely dissatisfied <span style="float: right;">Extremely satisfied</span></p> <p style="text-align: center;">0   1   2   3   4   5</p>
M4	<p style="text-align: center;"><b>Extremely dissatisfied</b> <span style="float: right;"><b>Extremely satisfied</b></span></p> <p style="text-align: center;">0   1   2   3   4   5   6   7   8   9   10</p> <p style="text-align: center;"><b>Neither satisfied nor dissatisfied</b></p>
M5	<p style="text-align: center;"><b>Very dissatisfied</b> <span style="float: right;"><b>Very satisfied</b></span></p> <p style="text-align: center;">0   1   2   3   4   5   6   7   8   9   10</p>
M6	<p style="text-align: center;"><b>Dissatisfied</b> <span style="float: right;"><b>Satisfied</b></span></p> <p style="text-align: center;">0   1   2   3   4   5   6   7   8   9   10</p>

<b>M7*</b>	Agree strongly Agree Neither agree nor disagree Disagree Disagree strongly
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\*The statements were formulated positively (e.g., On the whole, I am satisfied with the way democracy works in [country]).

**Source:**

[https://www.europeansocialsurvey.org/methodology/ess\\_methodology/source\\_questionnaire/](https://www.europeansocialsurvey.org/methodology/ess_methodology/source_questionnaire/)

## Appendix 5. Examples of Lisrel input

### a) Pooled Data (Base Model)

```
! Pooled data split-ballot group 1
da ng=2 ni=9 no=16079 ma=cm
km file=sb-group-1.corr
mean file=sb-group-1.mean
sd file=sb-group-1.sd

model ny=9 ne=9 nk=6 ly=fu,fi te=di,fi ps=di,fi be=fu,fi ga=fu,fi ph=sy,fi
value 1 ly 1 1 ly 2 2 ly 3 3 ly 4 4 ly 5 5 ly 6 6
fr te 1 1 te 2 2 te 3 3 te 4 4 te 5 5 te 6 6
value 1 te 7 7 te 8 8 te 9 9
value 0 ly 7 7 ly 8 8 ly 9 9
fr ga 4 1 ga 7 1 ga 5 2 ga 8 2 ga 6 3 ga 9 3
va 1 ga 1 1 ga 2 2 ga 3 3
fr ph 1 1 ph 2 2 ph 3 3 ph 4 4 ph 5 5 ph 6 6 ph 2 1 ph 3 1 ph 3 2
va 1 ga 1 4 ga 4 5 ga 7 6 ga 2 4 ga 5 5 ga 8 6 ga 3 4 ga 6 5 ga 9 6
out iter =2000 ns adm =off all sc mi
```

#### Split-ballot group 2

```
da ni=9 no=16291 ma=cm
km file=sb-group-2.corr
mean file=sb-group-2.mean
sd file=sb-group-2.sd

model ny=9 ne=9 nk=6 ly=fu,fi te=di,fi ps=in be=in ga=in ph=in
value 1 ly 1 1 ly 2 2 ly 3 3 ly 7 7 ly 8 8 ly 9 9
fr te 7 7 te 8 8 te 9 9
eq te 1 1 1 te 1 1
eq te 1 2 2 te 2 2
eq te 1 3 3 te 3 3
value 1 te 4 4 te 5 5 te 6 6
value 0 ly 4 4 ly 5 5 ly 6 6
pd
out iter =2000 ns adm=off all sc mi
```

**b) Country(-language) group analysis (Base Model)**

Analysis of split-ballot group 1 Belgium-French

Data ng=2 ni=9 no=699 ma=cm

km file=sb-group-1.corr

mean file=sb-group-1.mean

sd file=sb-group-1.sd

model ny=9 ne=9 nk=6 ly=fu,fi te=di,fr ps=sy,fi be=fu,fi ga=fu,fi ph=sy,fi

value 1 ly 1 1 ly 2 2 ly 3 3 ly 4 4 ly 5 5 ly 6 6

fr te 1 1 te 2 2 te 3 3 te 4 4 te 5 5 te 6 6

value 1 te 7 7 te 8 8 te 9 9

value 0 ly 7 7 ly 8 8 ly 9 9

va 1 ga 1 1 ga 2 2 ga 3 3

fr ph 1 1 ph 2 2 ph 3 3 ph 4 4 ph 5 5 ph 6 6 ph 2 1 ph 3 1 ph 3 2

value 1 ga 1 4 ga 3 4 ga 4 5 ga 6 5 ga 7 6 ga 9 6

!fix gammas traits using pooled data estimates

va 1.11 ga 4 1

va 1.01 ga 5 2

va 0.98 ga 6 3

va -0.42 ga 7 1

va -0.39 ga 8 2

va -0.35 ga 9 3

va 1.31 ga 2 4

va 1.31 ga 5 5

va 1.31 ga 8 6

out iter= 2000 adm=off sc ec mi

Analysis of split-ballot group 2 Belgium-French

Data ni=9 no=583 ma=cm

km file=sb-group-2.corr

mean file=sb-group-2.mean

sd file=sb-group-2.sd

model ny=9 ne=9 nk=6 ly=fu,fi te=di,fr ps=in be=in ga=in ph=in

value 1 ly 1 1 ly 2 2 ly 3 3 ly 7 7 ly 8 8 ly 9 9

free te 7 7 te 8 8 te 9 9

eq te 1 1 1 te 1 1

eq te 1 2 2 te 2 2

eq te 1 3 3 te 3 3

value 1 te 4 4 te 5 5 te 6 6

value 0 ly 4 4 ly 5 5 ly 6 6

pd

out iter= 2000 adm=off sc ec mi

## Appendix 6. Final Models for the Pooled Data Analyses

Round	Final PDM
1	BM + Free Ga 3 4 + Equal Ga 3 4 Ga 6 5 Ga 9 6
2	BM + Free Ga 2 4 + Equal Ga 2 4 Ga 5 5 Ga 8 6
4	BM + Free Ga 2 4 + Equal Ga 2 4 Ga 5 5 Ga 8 6 + Free Ph 5 4

*Note:* BM=Base Model

## Appendix 7. Final Model in each country(-language) group per round

### Round 1

COUNTRY	FINAL MODEL
<b>Austria</b>	BM
<b>Belgium</b>	BM + fr ga 5 5 ga 9 6 + va 0 te 5 5
<b>Czech Republic</b>	BM + fr ga 6 5 ga 4 1 ga 5 2 ga 6 3
<b>Denmark</b>	BM
<b>Finland</b>	BM + fr ga 5 5 ga 6 5 ga 8 6 ga 9 6
<b>France</b>	BM + fr ga 3 4 ga 4 1 ga 5 2 ga 6 3
<b>Germany</b>	BM + fr ga 3 4 ga 9 6 ga 7 1
<b>Great Britain</b>	BM + fr ga 3 4
<b>Greece</b>	BM
<b>Israel</b>	BM + fr ga 5 5 ga 9 6
<b>Netherlands</b>	BM + fr ga 3 4
<b>Norway</b>	BM + fr ga 1 1 ga 2 2
<b>Poland</b>	BM + fr ga 6 5 ga 8 6
<b>Portugal</b>	BM + fr ga 3 4 ga 7 6
<b>Slovenia</b>	BM + fr ga 7 6 ga 9 3
<b>Spain</b>	BM + fr ga 3 4 ga 4 1
<b>Sweden</b>	BM + fr ga 5 5 ga 6 5 ga 7 6 ga 8 6 ga 4 1 ga 5 2
<b>Switzerland</b>	BM + fr ga 3 4 ga 6 3 ga 9 3 ga 5 2

*Note:* BM=Base Model



Round 2

<b>COUNTRY</b>	<b>LANGUAGE</b>	<b>FINAL MODEL</b>
<b>Austria</b>	<i>German</i>	BM + fr ga 6 5 ga 8 6 ga 1 1 ga 4 1
<b>Belgium</b>	<i>Dutch</i>	BM + fr ga 9 3
	<i>French</i>	BM+ fr ga 7 6 ga 2 2 ga 3 3 ga 4 1 ga 5 2
<b>Czech Republic</b>	<i>Czech</i>	BM
<b>Denmark</b>	<i>Danish</i>	BM + fr ga 2 2 ga 4 1 ga 8 2
<b>Estonia</b>	<i>Estonian</i>	BM + fr ga 5 5 ga 1 1 ga 2 2 ga 3 3 ga 4 1 ga 5 2 ga 6 3
	<i>Russian</i>	BM + fr ga 5 5 ga 7 6 ga 2 2 ga 3 3 ga 5 2 + va 0 te 7 7
<b>Finland</b>	<i>Finish</i>	BM + fr ga 7 1
<b>France</b>	<i>French</i>	BM
<b>Germany</b>	<i>German</i>	BM + fr ga 2 4 ga 6 3 ga 9 3
<b>Great Britain</b>	<i>English</i>	BM + fr ga 8 6 ga 2 2 ga 3 3
<b>Greece</b>	<i>Greek</i>	No satisfactory proper solution for this country
<b>Ireland</b>	<i>English</i>	BM + eq ph 4 4 ph 5 5 ph 6 6 + fr ga 8 6
<b>Italy</b>	<i>Italian</i>	BM + fr ga 8 6 ga 5 5 ga 6 5 ga 3 3
	<i>French</i>	BM + fr ga 8 6 ga 1 1 ga 2 2 ga 4 1 ga 5 2 ga 9 3
<b>Luxembourg</b>	<i>Luxembourgish</i>	BM + fr ga 3 4
	<i>Dutch</i>	BM + fr ga 3 4 ga 9 3
<b>Netherlands</b>	<i>Dutch</i>	BM + fr ga 3 4 ga 9 3
<b>Norway</b>	<i>Norwegian</i>	BM
<b>Poland</b>	<i>Polish</i>	BM + fr ga 1 1 ga 3 3
<b>Portugal</b>	<i>Portuguese</i>	BM + fr ga 5 5 ga 7 6
<b>Slovakia</b>	<i>Slovakian</i>	BM
<b>Slovenia</b>	<i>Slovenian</i>	BM + fr ga 1 1 ga 2 2
<b>Spain</b>	<i>Spanish</i>	BM + fr ga 3 4
<b>Switzerland</b>	<i>French</i>	BM + fr ga 8 6 ga 7 1
	<i>German</i>	BM + fr ga 1 1 ga 3 3 ga 6 3
<b>Turkey</b>	<i>Turkish</i>	BM + fr ga 6 5 ga 1 1 ga 2 2
<b>Ukraine</b>	<i>Russian</i>	BM + fr ga 3 4 ga 6 5 ga 5 2 ga 6 3
	<i>Ukrainian</i>	BM + fr ga 2 4 ga 5 2

**Note:** BM=Base Model

Round 4

COUNTRY	LANGUAGE	FINAL MODEL
<b>Belgium</b>	<i>Dutch</i>	BM + fr ga 3 3
	<i>French</i>	BM + fr ga 3 4
<b>Bulgaria</b>	<i>Bulgarian</i>	BM + fr ga 1 1 ga 7 1 ga 9 3
<b>Croatia</b>	<i>Croatian</i>	BM + fr ph 5 4 + fr ga 3 4 ga 8 6
<b>Cyprus</b>	<i>Greek</i>	BM + fr ga 2 4 ga 3 4 ga 8 6 ga 9 6 ga 6 3
<b>Czech Republic</b>	<i>Czech</i>	BM + fr ph 5 4 + fr ga 2 4 ga 5 5 ga 6 5 ga 9 3
<b>Denmark</b>	<i>Danish</i>	BM + fr ga 2 4 ga 8 2
<b>Estonia</b>	<i>Estonian</i>	BM + fr ga 6 5 ga 6 3
	<i>Russian</i>	BM + fr ga 9 6
<b>Finland</b>	<i>Finnish</i>	BM + fr ga 9 6 ga 8 2
<b>France</b>	<i>French</i>	BM + fr ph 5 4
<b>Germany</b>	<i>German</i>	BM + fr ph 5 4
<b>Great Britain</b>	<i>English</i>	BM + ph 5 4 + fr ga 6 5 ga 9 6
<b>Greece</b>	<i>Greek</i>	BM + fr ph 5 4 + fr ga 3 4 ga 8 6 ga 9 6 ga 7 1 ga 8 2
<b>Israel</b>	<i>Arabian</i>	BM + fr ph 5 4
<b>Israel</b>	<i>Hebrew</i>	BM + fr ga 3 4 ga 6 5 ga 9 6
<b>Latvia</b>	<i>Latvian</i>	BM + fr ph 5 4 + fr ga 3 4
	<i>Russian</i>	BM + fr ph 5 4 + va 0 te 5 5 va 0 te 2 2
<b>Netherlands</b>	<i>Dutch</i>	BM + fr ga 3 4 ga 1 1
<b>Norway</b>	<i>Norwegian</i>	BM + fr ga 8 6 ga 1 1
<b>Poland</b>	<i>Polish</i>	BM + fr ph 5 4
<b>Portugal</b>	<i>Portuguese</i>	BM + fr ga 2 4
<b>Romania</b>	<i>Romanian</i>	BM + fr ph 5 4
<b>Russia</b>	<i>Russian</i>	BM + fr ph 5 4 + fr ga 8 6 ga 9 6 ga 1 1
<b>Slovakia</b>	<i>Slovakian</i>	BM + fr ph 5 4
<b>Slovenia</b>	<i>Slovenian</i>	BM + fr ph 5 4 + fr ga 2 4 ga 6 5
<b>Spain</b>	<i>Spanish</i>	BM + fr ga 6 5 ga 9 6 ga 3 3 ga 9 3
<b>Sweden</b>	<i>Swedish</i>	BM + fr ga 6 3
<b>Switzerland</b>	<i>French</i>	BM + fr ga 3 3 + va 0 ph 6 6
	<i>German</i>	BM + fr ga 2 4 + fr ga 9 6
<b>Turkey</b>	<i>Turkish</i>	BM + fr ph 5 4 + fr ga 8 6
<b>Ukraine</b>	<i>Russian</i>	BM + fr ga 8 6
	<i>Ukrainian</i>	BM + fr ga 2 4 ga 3 4 ga 6 5

Note: BM=Base Model

## Appendix 8: Correlations corrected for measurement errors.

Following Saris and Revilla (2016, 1007, Equation 2), the correlation corrected from measurement errors can be computed as follows when no common method variance is expected:

$$\mathbf{corr}(f_1, f_2) = \mathbf{corr}(y_1, y_2) / q_1 q_2 \quad (1)$$

Where  $f_i$  represents the  $i^{\text{th}}$  latent trait,  $y_i$  the observed survey answers corresponding to the  $i^{\text{th}}$  latent trait and  $q_i$  the measurement quality coefficient (square root of the measurement quality  $q_i^2$ ) for the  $i^{\text{th}}$  trait.

In our example,  $f_1$  is the latent trait “satisfaction with the way democracy works”, and  $y_1$  are the observed responses to the SWD indicator. According to Table 3, in the Netherlands,  $q_1 = .85$  when using M1 (square root of measurement quality, which is .73), whereas  $q_1 = .63$  when using M2 (square root of .40).

For the sake of simplicity, we assume that  $f_2$  is a latent variable measured without errors, and  $y_2$  are the responses to the question asked to measure this latent variable. Thus,  $q_2 = 1$ .

Now, let's assume that the observed correlation in the Netherlands between the SWD indicator and  $y_2$  is .60 when using M1 and .44 when using M2.

Thus, the corrected correlation when using M1 is as follows:

$$\mathbf{corr}(\mathbf{latent\ satisfaction}, f_2) = .60 / .85 = .70 \quad (2)$$

Similarly, the corrected correlation when using M2 is:

$$\mathbf{corr}(\mathbf{latent\ satisfaction}, f_2) = .44 / .63 = .70 \quad (3)$$

In both cases, the observed correlations are lower than the correlation between the latent variables of interest. Moreover, even if the observed correlations are different, the correlation between the latent variables is the same.

## Appendix 9. R code for performing correction of measurement errors using the COSME package.

```
# Load required libraries #####
library(tidyverse)
library(cosme)
library(essurvey)
library(labelled)
library(lavaan)

# The analyses are replicated first for Czechia and then for Slovakia
# REPLICATION FOR CZECHIA #####
# Load data #####
# We import data using the essurvey package. Users need to register at
# the ESS webpage and then set their mails following the code below so they can
# download the data
set_email("your.mail@mail.com")

# Import data
czechia2 <- import_country(
  country = "Czechia",
  rounds = c(2)) %>%
  select(essround, stfdem, stfeco, trstprl, vote, hincfel, eisced, gndr, agea)

# Clean data as it was used in Vlachova (2019). This df only has the exact variables we use
czechia_clean <- czechia2 %>%
  mutate(voted = case_when(
    vote == 1 ~ 1,
    vote == 2 ~ 0), # check 3
  income = case_when(
    hincfel == 1 ~ 1,
    hincfel == 2 ~ 1,
    hincfel == 3 ~ 0,
    hincfel == 4 ~ 0),
  gender = case_when(
    gndr == 1 ~ 0,
    gndr == 2 ~ 1),
  tertiary = if_else(condition = eisced %in% c(6, 7), 1, 0)) %>%
  select(-gndr, -eisced, -hincfel, -essround, -vote)
```

```

# Check item list used in Czech Republic
items_list_czechia <- labelled::look_for(czechia2)

# Start correction. Define the random measurement errors and the common method
# variance
model_definition <- "
#Correct for measurement error
~~ stfdem + stfeco + trstprl
# Correct for comon method variance
~ stfdem + stfeco"

# Create dataframe of reliabilities, validities and qualities
me_data_czechia <-
  data.frame(question =
    c("stfdem", "stfeco", "trstprl"),
    reliability = c(0.87, 0.84, 0.93),
    validity = c(0.92, 0.9, 0.93),
    quality = c(0.80, 0.756, 0.865))

# Create me object
me_obj_czechia <- medesign(model_definition, czechia_clean, me_data_czechia)
# Create matrix corrected
corrected_covariance_czechia <-
  me_cmvcov(me_obj_czechia) %>%
  select(.$rowname) %>%
  as.matrix()

# Estimate model without correction #####
model = "stfdem ~ stfeco + trstprl + agea + voted + income + gender + tertiary"
est_czechia <- sem(model = model, data = czechia_clean, estimator = "ML")

summary(est_czechia, standardized = T, fit.measures = T)

# Estimate model corrected #####
est_corr_czechia <- sem(model = model,
  sample.cov = corrected_covariance_czechia, sample.nobs = 5174,

```

```

estimator = "ML")
summary(est_corr_czechia, standardized = T)
# Retrieve estimates for Table 7
standardizedSolution(est_czechia,type = "std.all", ci = TRUE, level = 0.95, pvalue = TRUE) %>%
  filter(op == "~")
standardizedSolution(est_corr_czechia,type = "std.all", ci = TRUE, level = 0.95, pvalue = TRUE) %>%
  filter(op == "~")

## REPLICATION FOR SLOVAKIA #####
# Load data #####
slovakia2 <- import_country(
  country = "Slovakia",
  rounds = c(2)) %>%
  select(essround, stfdem, stfeco, trstprl, vote, hincfel, eisced, gndr,agea)

# Clean data as it was used in Vlachova (2019). This df only has the exact variables we use
slovakia_clean <- slovakia2 %>%
  mutate(voted = case_when(
    vote == 1 ~ 1,
    vote == 2 ~ 0), # check 3
  income = case_when(
    hincfel == 1 ~ 1,
    hincfel == 2 ~ 1,
    hincfel == 3 ~ 0,
    hincfel == 4 ~ 0),
  gender = case_when(
    gndr == 1 ~ 0,
    gndr == 2 ~ 1),
  tertiary = if_else(condition = eisced %in% c(6, 7), 1, 0)) %>%
  select(-gndr, -eisced, -hincfel,-essround, -vote)

# Start correction
model_definition <- "
#Correct for measurement error
~~ stfdem + stfeco + trstprl
# Correct for comon method variance
~ stfdem + stfeco"

```

```

# Create correction dataframe [using estimates for Slovakia]

me_data_slovakia <-
  data.frame(question =
    c("stfdem", "stfeco", "trstprl"),
    reliability = c(0.85, 0.83, 0.89),
    validity = c(0.95, 0.94, 0.96),
    quality = c(0.808, 0.780, 0.854))

# Create me object
me_obj_slovakia <- medesign(model_definition, slovakia_clean, me_data_slovakia)

# Create matrix corrected
corrected_covariance_slovakia <-
  me_cmv_cov(me_obj_slovakia) %>%
  select(.$rowname) %>%
  as.matrix()

# Estimate model without correction #####
model = "stfdem ~ stfeco + trstprl + agea + voted + income + gender + tertiary"

est_slovakia <- sem(model = model, data = slovakia_clean, estimator = "ML") #

summary(est_slovakia, standardized = T, fit.measures = T)

# Estimate model corrected #####
est_corr_slovakia <- sem(model = model,
  sample.cov = corrected_covariance_slovakia, sample.nobs = 5174,
  estimator = "ML")
summary(est_corr_slovakia, standardized = T)

summary(est_slovakia, standardized = T)

# Retrieve estimates for Table 7
standardizedSolution(est_slovakia, type = "std.all", ci = TRUE, level = 0.95, pvalue = TRUE) %>%
  filter(op == "~")
standardizedSolution(est_corr_slovakia, type = "std.all", ci = TRUE, level = 0.95, pvalue = TRUE) %>%
  filter(op == "~")

```

## Appendix 10. Brief description about the variables included in Table 7

Variable	ESS label	Whole question text	Scale	Recoding (following Vlachová (2019))
Satisfaction with democracy	Stfdem	On the whole, how satisfied are you with the way democracy works?	0 – Extremely dissatisfied 10 – Extremely satisfied	Not recoded
Satisfaction with the economy	Stfec0	On the whole how satisfied are you with the present state of the economy in [country]?	0 – Extremely dissatisfied 10 – Extremely satisfied	Not recoded
Trust in the parliament	Trstprl	Please tell me on a score of 0-10 how much you personally trust each of the institutions I read out. 0 means you do not trust an institution at all, and 10 means you have complete trust. Firstly... ...[country]'s parliament?	0 – No trust at all 10 – Complete trust	Not recoded
Voted	Vote	Some people don't vote nowadays for one reason or another. Did you vote in the last [country] national election in [month/year]?	Yes, No, Not eligible to vote	Yes = 1, No = 0
Income	Hincfel	Which of the descriptions on this card comes closest to how you feel about your household's income nowadays?	Living comfortable on present income, coping on present income, difficult on present income, very difficult on present income	Living comfortably on present income, coping on present income = 1, difficult on present income, very difficult on present income = 0
Tertiary	Eisced	No question text	Not possible to harmonise, less	Tertiary = lower tertiary education,



			than lower secondary, lower tier secondary, upper tier secondary, advanced vocational, lower tertiary education, higher tertiary education	higher tertiary education. 0 = rest of the options
Woman	Gndr	No question text	Male, Female, No answer	Woman = 1, Male = 0
Age	Agea	No question text	Continuous scale	Not recoded