

Supplementary File 1

Methodology of the review of articles utilising ESS and SEM

The literature review was conducted to determine whether scholars using data from the European Social Survey (ESS) in Structural Equation Modelling (SEM) analyses also incorporate weights or sample design variables. The review focused on papers published between 2002 and 2023.

- In the first phase, a search was performed in the EBSCO database across seven journals: Social Indicators Research, European Journal of Political Research, West European Politics, European Societies, European Sociological Review, Survey Methodology, and Survey Research Methods. These journals were selected based on the ESS database of publications as those with the highest number of articles.

The search algorithm was applied as follows:

- European Social Survey OR ESS
AND
 - Structural Equation Modeling OR SEM
- In the second phase, the ESS database of publications was searched using keywords, including SEM and Structural Equation Modeling, across titles and abstracts.

A total of 141 papers were identified, of which 61 were found to employ both ESS data and SEM methodology. Among these, only 12 articles provided information on the application of weights. These works are detailed in Table 1 of the main text.

Of the 61 reviewed articles that incorporated both SEM and ESS data, Mplus was used in 26 studies. AMOS was employed in 10 studies, while LISREL was utilised in 9. Additionally, 3 articles reported using Stata, and 4 used other software tools, including R, Jrule, and MATLAB. Notably, 9 articles did not specify the software used for SEM analysis.