

Replication of Frederiksen ([2022a](#))

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Introduction

This memo begins by replicating the main exhibits in Frederiksen ([2022a](#)) (as well as some of the exhibits in their supplementary materials section¹) using the R programming language.

Replication

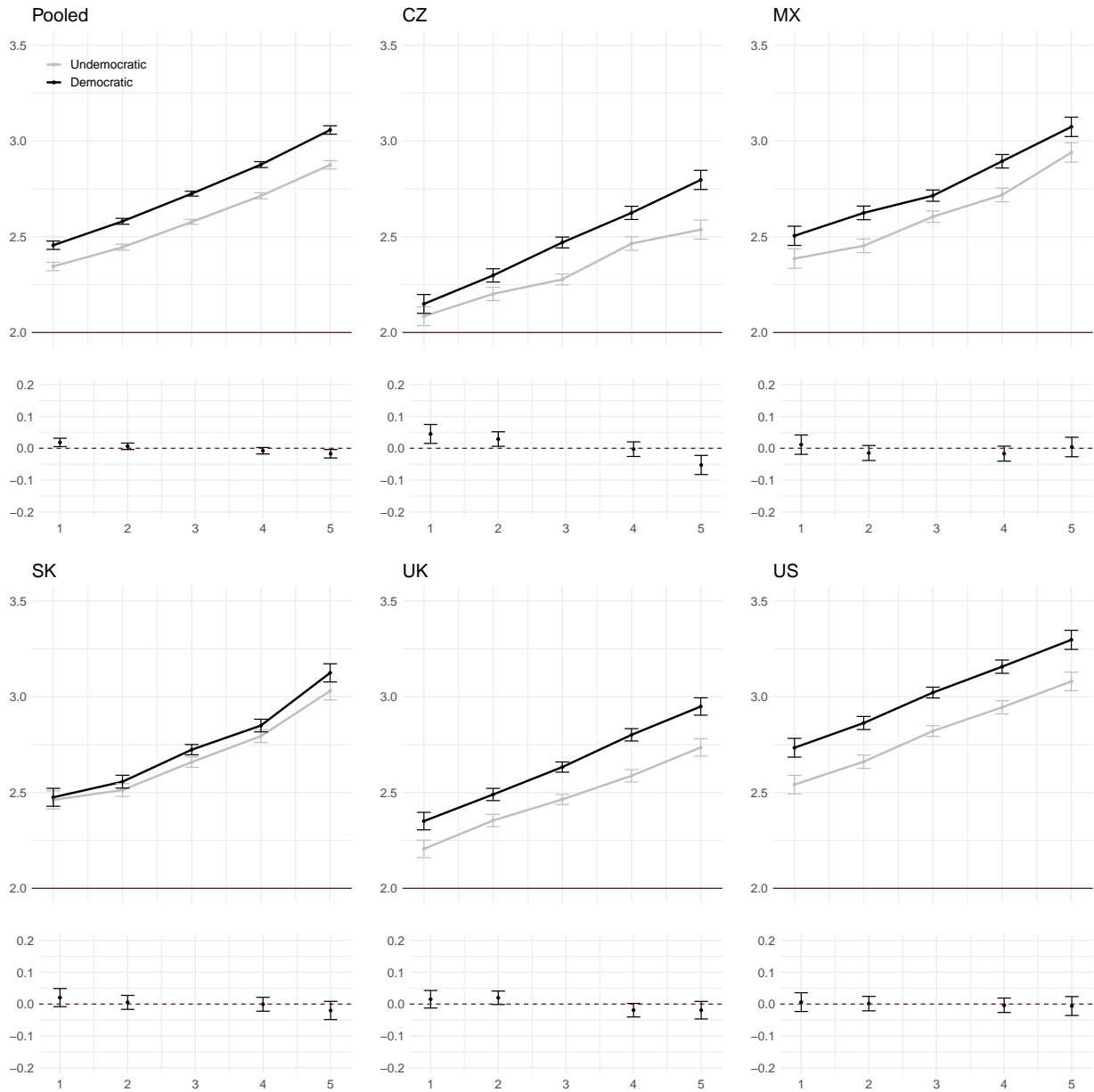
Replication of Main Exhibits

The main paper only contains one exhibit, Figure 1, replicated below. The figure replicates exactly, though it should be noted that the the upper panels of Figure 1 are calculated without reference to a base category, while the lower panels are the marginal means compared to the third category of the independent variable (`cancom`).

*Word count: 136

¹See (Frederiksen [2022b](#); Frederiksen [2022c](#))

Figure 1: Replication of Figure 1



Replication of Dataverse Appendix A

Both tables in Appendix A replicate exactly in terms of point estimates, statistical significance, and number of observations.

Table 1: Average effects of undemocratic behavior and competence in the Czech Republic, Mexico, South Korea, the United Kingdom, and the United States. Candidate support is the dependent variable in all models.

| | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Undemocratic behavior | -0.15*** (0.01) | -0.16*** (0.01) | -0.14*** (0.01) | -0.06*** (0.01) | -0.17*** (0.01) |
| Very incompetent | -0.25*** (0.01) | -0.26*** (0.02) | -0.21*** (0.02) | -0.22*** (0.02) | -0.27*** (0.02) |
| Incompetent | -0.14*** (0.01) | -0.12*** (0.02) | -0.12*** (0.02) | -0.16*** (0.02) | -0.13*** (0.02) |
| Competent | 0.14*** (0.01) | 0.17*** (0.02) | 0.15*** (0.02) | 0.13*** (0.02) | 0.15*** (0.02) |
| Very Competent | 0.31*** (0.01) | 0.29*** (0.02) | 0.35*** (0.02) | 0.39*** (0.02) | 0.29*** (0.02) |
| Constant | 2.72*** (0.01) | 2.45*** (0.02) | 2.73*** (0.02) | 2.72*** (0.02) | 2.64*** (0.02) |
| R ² | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Adj. R ² | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Num. obs. | 267795 | 47221 | 55167 | 50002 | 55299 |
| RMSE | 1.36 | 1.29 | 1.43 | 1.26 | 1.29 |
| N Clusters | 14058 | 2481 | 2845 | 2691 | 2882 |

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Table 2: Effects of undemocratic behavior interacted by candidate competence in the Czech Republic, Mexico, South Korea, the United Kingdom, and the United States. Candidate support is the dependent variable in all models.

| | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Undemocratic behavior | −0.15*** (0.01) | −0.19*** (0.02) | −0.11*** (0.02) | −0.06*** (0.02) | −0.17*** (0.02) |
| Very incompetent | −0.27*** (0.01) | −0.32*** (0.03) | −0.21*** (0.03) | −0.25*** (0.03) | −0.28*** (0.03) |
| Incompetent | −0.14*** (0.01) | −0.17*** (0.02) | −0.09*** (0.02) | −0.17*** (0.02) | −0.14*** (0.02) |
| Very competent | 0.15*** (0.01) | 0.15*** (0.02) | 0.18*** (0.02) | 0.13*** (0.02) | 0.17*** (0.02) |
| Undemocratic x Very incompetent | 0.04* (0.02) | 0.13** (0.04) | −0.01 (0.04) | 0.05 (0.04) | 0.02 (0.04) |
| Undemocratic x Incompetent | 0.01 (0.01) | 0.10** (0.03) | −0.06 (0.03) | 0.02 (0.03) | 0.03 (0.03) |
| Undemocratic x Competent | −0.02 (0.01) | 0.03 (0.03) | −0.07* (0.03) | 0.01 (0.03) | −0.04 (0.03) |
| Undemocratic x Very competent | −0.03 (0.02) | −0.07 (0.04) | −0.02 (0.04) | −0.03 (0.04) | −0.04 (0.04) |
| R ² | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Adj. R ² | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Num. obs. | 267795 | 47221 | 55167 | 50002 | 55299 |
| RMSE | 1.36 | 1.29 | 1.43 | 1.26 | 1.29 |
| N Clusters | 14058 | 2481 | 2845 | 2691 | 2882 |

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Replication of Supplementary Materials Appendix A

Table 3: Distribution of attributes: US, UK, and CZ. Age is drawn randomly from probability-specified intervals.

| Attribute Category | CZ | UK | US | MX | SK |
|---|-------|-------|-------|-------|-------|
| 43-57 | 0.333 | NA | NA | NA | NA |
| 58-67 | 0.334 | NA | NA | NA | NA |
| 68-77 | 0.334 | NA | NA | NA | NA |
| 44-53 | NA | 0.332 | NA | NA | NA |
| 54-57 | NA | 0.336 | NA | NA | NA |
| 58-61 | NA | 0.332 | NA | NA | NA |
| 40-49 | NA | NA | 0.198 | NA | NA |
| 50-59 | NA | NA | 0.200 | NA | NA |
| 60-62 | NA | NA | 0.199 | NA | NA |
| 63-66 | NA | NA | 0.201 | NA | NA |
| 67-75 | NA | NA | 0.201 | NA | NA |
| Female | 0.083 | 0.286 | 0.202 | 0.126 | 0.055 |
| Male | 0.917 | 0.714 | 0.798 | 0.874 | 0.945 |
| Actor/actress | 0.169 | NA | NA | NA | NA |
| Journalist | 0.252 | 0.224 | NA | 0.032 | 0.055 |
| Political Career | 0.084 | 0.222 | 0.101 | NA | 0.112 |
| Professor | 0.496 | NA | NA | NA | 0.055 |
| Academic | NA | NA | NA | 0.031 | NA |
| Accountant | NA | NA | NA | 0.124 | NA |
| Business Administration | NA | NA | NA | 0.061 | NA |
| Civil Servant | NA | 0.111 | 0.101 | 0.094 | 0.056 |
| Engineer | NA | NA | NA | 0.127 | 0.056 |
| Lawyer | NA | 0.221 | 0.301 | 0.407 | 0.387 |
| Professional Sports | NA | NA | NA | 0.031 | NA |
| Self-employed | NA | NA | 0.098 | 0.093 | 0.167 |
| Army General | NA | NA | NA | NA | 0.056 |
| Company Director | NA | NA | NA | NA | 0.055 |
| Banker | NA | 0.222 | NA | NA | NA |
| Company Founder/Director | NA | NA | 0.399 | NA | NA |
| ANO 2011 | 0.336 | NA | NA | NA | NA |
| ODS (Občanská demokratická strana) | 0.333 | NA | NA | NA | NA |
| ČSSD (Česká strana sociálně demokratická) | 0.331 | NA | NA | NA | NA |
| MORENA | NA | NA | NA | 0.249 | NA |
| PAN | NA | NA | NA | 0.249 | NA |
| PRD | NA | NA | NA | 0.251 | NA |

Table 3: Distribution of attributes: US, UK, and CZ. Age is drawn randomly from probability-specified intervals.
(continued)

| Attribute Category | CZ | UK | US | MX | SK |
|---|-------|-------|-------|-------|-------|
| PRI | NA | NA | NA | 0.251 | NA |
| Democratic Party of Korea | NA | NA | NA | NA | 0.499 |
| United Future Party | NA | NA | NA | NA | 0.501 |
| Conservatives | NA | 0.502 | NA | NA | NA |
| Labour | NA | 0.498 | NA | NA | NA |
| Democrat | NA | NA | 0.501 | NA | NA |
| Republican | NA | NA | 0.499 | NA | NA |
| Decrease income tax on 10 percent richest | 0.167 | 0.163 | 0.166 | 0.166 | 0.169 |
| Decrease power of labor unions | 0.169 | NA | 0.169 | NA | 0.167 |
| Decrease public welfare spending | 0.164 | 0.165 | 0.166 | 0.165 | 0.167 |
| Increase income tax on 10 percent richest | 0.163 | 0.168 | 0.165 | 0.169 | 0.167 |
| Increase power of labor unions | 0.168 | NA | 0.165 | NA | 0.165 |
| Increase public welfare spending | 0.169 | 0.169 | 0.168 | 0.158 | 0.166 |
| Prevent universal access to public colleges | NA | NA | NA | 0.166 | NA |
| Provide universal access to public colleges | NA | NA | NA | 0.177 | NA |
| Decrease power of trade unions | NA | 0.168 | NA | NA | NA |
| Increase power of trade unions | NA | 0.166 | NA | NA | NA |
| Allow illegal immigrants to apply for citizenship | 0.166 | 0.167 | 0.168 | NA | NA |
| Increase efforts to arrest and eventually deport illegal immigrants | 0.167 | 0.165 | 0.164 | NA | NA |
| Make it easier for people of the same sex to marry each other | 0.166 | 0.168 | 0.164 | NA | NA |
| Make it easier for women to get an abortion | 0.166 | 0.166 | 0.168 | NA | NA |
| Make it harder for people of the same sex to marry each other | 0.168 | 0.166 | 0.168 | NA | NA |
| Make it harder for women to get an abortion | 0.168 | 0.168 | 0.168 | NA | NA |
| Legalize same-sex marriage nationally | NA | NA | NA | 0.169 | 0.167 |
| Make abortion law more strict | NA | NA | NA | 0.166 | 0.167 |
| Prohibit same-sex marriage nationally | NA | NA | NA | 0.167 | 0.168 |

Table 3: Distribution of attributes: US, UK, and CZ. Age is drawn randomly from probability-specified intervals.
(continued)

| Attribute Category | CZ | UK | US | MX | SK |
|--|-------|-------|-------|-------|-------|
| Provide amnesty to low-level drug offenders | NA | NA | NA | 0.166 | NA |
| Punish all drug-related crime harsher | NA | NA | NA | 0.165 | NA |
| Relax abortion law | NA | NA | NA | 0.166 | 0.168 |
| Decrease funds to the army | NA | NA | NA | NA | 0.166 |
| Increase funds to the army | NA | NA | NA | NA | 0.165 |
| Said court rulings by judges appointed by opposing parties should be adhered to | 0.125 | 0.127 | 0.124 | 0.125 | 0.126 |
| Said court rulings by judges appointed by opposing parties should be ignored | 0.125 | 0.124 | 0.125 | 0.125 | 0.123 |
| Said it is acceptable to harass journalists that do not reveal sources | 0.125 | 0.123 | 0.124 | 0.124 | 0.124 |
| Said it is legitimate to fight political opponents in the streets if one feels provoked | 0.126 | 0.123 | 0.127 | 0.125 | 0.125 |
| Said it is unacceptable to fight political opponents in the streets even though one feels provoked | 0.123 | 0.126 | 0.125 | 0.127 | 0.127 |
| Said it is unacceptable to harass journalists even though they do not reveal sources | 0.125 | 0.126 | 0.123 | 0.123 | 0.124 |
| Supported a proposal to preserve existing polling-stations in all areas | 0.128 | 0.124 | 0.125 | 0.126 | 0.126 |
| Supported a proposal to reduce polling stations in areas that support opposing parties | 0.122 | 0.127 | 0.127 | 0.125 | 0.125 |
| Bad at handling economic matters | 0.336 | 0.338 | 0.335 | 0.334 | 0.335 |
| Good at handling economic matters | 0.330 | 0.331 | 0.331 | 0.333 | 0.335 |
| Neither good nor bad reputation on economic matters | 0.334 | 0.331 | 0.334 | 0.333 | 0.330 |
| Bad at fighting corruption | 0.337 | 0.331 | 0.333 | 0.335 | 0.334 |
| Good at fighting corruption | 0.334 | 0.336 | 0.332 | 0.331 | 0.333 |
| Neither good nor bad reputation on fighting corruption | 0.329 | 0.333 | 0.335 | 0.335 | 0.333 |

Extension

In this section, I extend the analysis presented in Frederiksen ([2022a](#)).

References

- [1] Kristian Vrede Skaaning Frederiksen. “Does Competence Make Citizens Tolerate Undemocratic Behavior?” In: *American Political Science Review* 116.3 (2022), pp. 1147–1153.
- [2] Kristian Vrede Skaaning Frederiksen. “Does Competence Make Citizens Tolerate Undemocratic Behavior? Dataverse Appendix”. In: *American Political Science Review* 116.3 (2022), pp. 1147–1153.
- [3] Kristian Vrede Skaaning Frederiksen. “Does Competence Make Citizens Tolerate Undemocratic Behavior? Supplementary Materials”. In: *American Political Science Review* 116.3 (2022), pp. 1147–1153.