This repository contains the raw data and code that replicates tables and figures for the following paper:

**Title:** Repeated information of benefits reduce COVID-19 vaccination hesitancy: Experimental evidence from Germany

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**Classification:** Social Sciences, Economic Sciences  
**Keywords:** Vaccination hesitancy, vaccination intentions, vaccination action, survey experiment, repeated information

# License

The data are licensed under a Creative Commons Attribution 4.0 International Public License. The code is licensed under a Modified BSD License. See **LICENSE.txt** for details.

# Software requirements

All analysis were done in Stata version 16:

* Add-on packages are included in **scripts/libraries/stata** and do not need to be installed by the user. The names, installation sources, and installation dates of these packages are available in **scripts/libraries/stata/stata.trk**.

# Instructions

1. Save the folder ‘replication\_PLOS’ to your local drive.
2. Open the master script ‘**run.do’** and change the global pointing to the working direction (line 20) to the location where you save the folder on your local drive
3. Run the master script ‘**run.do’** to replicate the analysis and generate all tables and figures reported in the paper and supplementary online materials

# Datasets

* Wave 1 – Survey experiment: **‘wave1\_survey\_experiment\_raw.dta’**
* Wave 2 – Follow-up Survey: **‘wave2\_follow\_up\_raw.dta’**
* Map: shape-files **‘plz2stellig.shp’ ‘OSM\_PLZ.shp’**, area codes **‘Postleitzahlengebiete\_-\_OSM.csv’,** (all links to the sources can be found in the script ‘04\_figure2\_germany\_map.do’)
* Pretest: **‘pre-test\_corona.dta’**
* For Appendix S7: **‘alter\_geschlecht\_zensus\_det.xlsx’, ‘vaccination\_landkreis\_raw.dta’**, **‘census2020\_age\_gender.csv’** (all links to the sources can be found in the script ‘06\_AppendixS7.do’)
* For Appendix S10: **‘vaccination\_landkreis\_raw.dta’** (all links to the sources can be found in the script ‘07\_AppendixS10.do’)

# Descriptions of scripts

**1\_1\_clean\_wave1.do**

This script processes the raw data from wave 1, the survey experiment

**1\_2\_clean\_wave2.do**

This script processes the raw data from wave 2, the follow-up survey

**1\_3\_merge\_generate.do**

This script creates the datasets used in the main analysis and for robustness checks by merging the cleaned data from wave 1 and 2, tests the exclusion criteria and creates additional variables

**02\_analysis.do**

This script estimates regression models in Stata, creates figures and tables, saving them to **results/figures** and **results/tables**

**03\_robustness\_checks\_no\_exclusion.do**

This script runs the main analysis using the dataset without applying the exclusion criteria. Results are saved in **results/tables**

**04\_figure2\_germany\_map.do**

This script creates Figure 2 in the main manuscript using publicly available data on vaccination numbers in Germany.

**05\_figureS1\_dogmatism\_scale.do**

This script creates Figure S1 using data from a pretest to adjust the dogmatism scale.

**06\_AppendixS7.do**

This script creates the figures and tables provided in Appendix S7 on the representativity of our sample compared to the German average using publicly available data about the age distribution in Germany.

**07\_AppendixS10.do**

This script creates the figures and tables provided in Appendix S10 on the external validity of vaccination rates in our sample using publicly available data on vaccination numbers in Germany.