## Economic and Social Outsiders but Political Insiders: Sweden's Populist Radical Right

## Overview

The code in this replication package constructs data files and runs the analysis for the paper *Economic and Social Outsiders but Political Insiders: Sweden's Populist Radical Right.* The analysis is based on administrative data and proprietary survey data, which the authors are not authorized to share.

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## Data Availability

**Administrative data.** The administrative data is proprietary data from Statistics Sweden that is accessed via their secure server MONA. It cannot be shared directly with other researchers but must be ordered.

The data is ordered in two steps. First, a data application and a research plan are submitted for an ethics review. These are submitted through one of the regional ethics boards. Detailed instructions are available at https://etikprovningsmyndigheten.se/

In the next step, a data request is submitted to Statistics Sweden. This agency performs a judicial clearance of the order and provides a price. Statistics Sweden does not provide information about this process in English on their website, but such information can be obtained by contacting the microdata unit at mikrodata@scb.se.

Finally, once the data order has been processed, it can be accessed via Statistics Sweden’s access servers. These are currently only accessible from EU countries or countries meeting the GDPR requirements of the EU.

The administrative data in the paper come from the following sources:

* **LISA**: Statistics Sweden’s “Longitudinal integration database for health insurance and labour market studies”. We use data for the full adult population, i.e., all individuals 16 or older from 1990 to 2012. Information about the data and variables can be found here: <http://www.scb.se/en_/Services/Guidance-for-researchers-and-universities/SCB-Data/Longitudinal-integration-database-for-health-insurance-and-labour-market-studies-LISA-by-Swedish-acronym/>.
* **IoT**: Statistics Sweden’s “Income and Taxation data”. We use data for the full adult population, i.e., all individuals 16 or older from 1981 to 1989 (the years before LISA is available). Information (only in Swedish) about the data and variables can be found here: https://www.scb.se/vara-tjanster/bestall-data-och-statistik/bestalla-mikrodata/vilka-mikrodata-finns/individregister/inkomst--och-taxeringsregistret-iot/
* **Data from the Democracy Unit**: The Democracy Unit at Statistics Sweden does not maintain an officially named database. The unit is responsible for maintaining democracy related data and statistics. From the democracy unit we have ordered the following data: All municipal politicians nominated or elected between 1982 and 2014, including information on party affiliation, municipality, and if they were elected or not. We also ordered the precinct of residence for all eligible voters in the elections of 2002, 2006, 2010 and 2014, as well as precinct-level election results.
* **Multi-generation register**: We use data on parent-child links from Statistics Sweden’s multi-generation register. Information about this register can be found here https://www.scb.se/vara-tjanster/bestall-data-och-statistik/bestalla-mikrodata/vilka-mikrodata-finns/individregister/flergenerationsregistret/

The paper’s survey data come from the following sources:

* **KOLFU survey of municipal politicians** (**Karlsson, 2017)**. The survey data on politicians is collected via the KOLFU survey and can be accessed based on approval from the PI David Karlsson at Gothenburg University. Documentation of the survey and instructions for how to apply for data access can be found here: <https://gupea.ub.gu.se/bitstream/2077/54799/4/gupea_2077_54799_4.pdf>
* **The National SOM Survey Cumulative Dataset 1986-2017 (University of Gothenburg, SOM Institute (2017 & 2019).** The survey data on voters come from the SOM voter survey carried out by Gothenburg University. This data is proprietary and instructions of how to order and access it can be found here: <https://snd.gu.se/en/catalogue/study/snd0905>. We use two versions of the dataset, the cumulative data set from 1986 to 2015, and the 2017 survey.

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## Computational requirements

### Software Requirements

* Stata 15SE was used for the part of the analysis that uses the voter survey.
* Stata 17MP was used for the part of the analysis that uses administrative data and the politician survey.

#### **Details on Computation Environment**

The code for the analysis of the survey data was last run on a 1th Gen Intel(R) Core(TM) i7-1165G7 @ 2.80GHz 1.69 GHz Laptop with 16GB of ram and Windows 10.

The code for the analysis of the administrative data was run on Statistics Sweden’s secure server MONA, which is a virtual server in VMware with 40 threads, 500 GB of RAM, 500 GB of fast storage.

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## Description of code

The do-files should be run in the order listed below.

**SOM Voter Surveys**

* “Analysis of SOMsurvey.do” cleans and sets up the dataset for the analysis of the survey data for voters in Figure 1 and Figure 3.

**Kolfu Politician Survey**

* “Analysis using KOLFUsurvey.do” cleans and sets up dataset used for the analysis of the survey data for politicians in Figure 1, Figure 3, Figure 9, and Table W6.

**Administrative data**

* “Set up underlying datafiles.do” constructs the labor market status variable and combines the underlying data files used for that construction. It also cleans the politician data, calculates the earnings score, defines parental variables, defines last occupation and employment industry, defines previous public employment, and sets up datasets for the analysis in the do-files listed below.
* “Full population data with politicians.do” produces the analysis for Figure 4, Figure W3, Table W2 and Figure W5.
* “Individual level analysis of politicians.do” produces the analysis for Figure 5, part of Figure 9, Table W3, Figure W4, Figure W6, part of Table W6, and Table W7
* ”Random forest.do” produces Figure 6. To implement this analysis the “rforest” program (Shonlau and Zou 2020) must be installed in Stata. This is done by typing "ssc install rforest".
* “Voting analysis precinct level.do” produces Figure 7 and Table W4.
* “Income and unemployment trends in full population.do” produces part of Figure 8.
* “Municipality regressions.do” produces part of Figure 8 and Table W5.
* Municipal Supply Figure W7.do produces Figure W7.
* “Analysis of Historical Data.do” produces Figure W8.

## References

Karlsson, David (2017). Kommun- och landstingsfullmäktigeundersökningen (KOLFU) 2017. Göteborgs universitet.

Schonlau, M. and R. Y. Zou (2020). The Random Forest Algorithm for Statistical Learning. Stata Journal 20 (1), 3{29.

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