Codebook

Going nuclear-free: The electoral consequences of the nuclear phase-out for the Green parties in Switzerland

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This codebook describes the variables of the data sets used for our Methods III project "Going nuclear-free: The electoral consequences of the nuclear phase-out for the Green parties in Switzerland". The linked data set `Nationalratswahlen (Anzahl Kandidaturen und Gewählte seit 1971)` provided by the Swiss Federal Statistical Office served as the basis for the analysis (`rohdaten.xlsx`). Although not required, we have documented the preparation of the dataset in the script `01_datawrangling.R`, resulting in the R-file `all_gemeinden.RData`. This data set, in turn, serves as the basis for the analysis in the `02_regressions.R` script. The variables contained are listed below:

Variables

- `GMDNR` - Municipality code (according to BFS scheme)
- `name` - Municipality name
- `jahr`- Year (1999, 2003, 2007, 2011, 2015, and 2019)
- `partei_code` - Party code
- `partei_name` - Party name (acronym)
- `parteistimmen` - Absolute number of votes for party
- `parteistaerke` - Party vote share in %
- `kanton` - Kanton (acronym)
- `time` - Binary indicator pre-treatment (2015 = 0) and post-treatment (2019 = 1) period
- `treatment` - Binary indicator for municipalites that where affected by the Federal Act in 2017 (varies with unit of analysis).

For the emplyoment data, the following files were used: The script `05_arbeitsmarkt.R` as well as the manually compiled data set `Arbeitsmarktdaten.xlsx` based on the e-mail correspondence with the nuclear power plants.

Finally, the data set `g1g15` contained in the package `ggswissmaps` was used for the visualization of the catchment area of the nuclear power plant in Mühleberg. For all other visualizations either `all_gemeinden.RData` or `data_spillover.RData` (adapted dataset for main analysis with municipalities within a radius of 3km from the power plant considered as treated), served as the basis and were adapted to the visualization task accordingly.