README

Replication package for:

"Risk and Information in Dispute Resolution: An Empirical Study of Arbitration"

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Data

Data availability

All data used in the paper are provided in the replication package.

Data sources

◦ Main data

- Ashenfelter and Dahl (2012)
  - File name: agents.dta
  - Final offer arbitration cases, 1978–1995
- New Jersey Public Employment Relations Commission (PERC)
  - File name: Post_1996_Arbitration_Raw.xls
  - Conventional arbitration cases, 1996–2000
    - Data hand-collected from scanned pdf files. Accessed April–August 2020 at https://www.perc.state.nj.us/IAAwards.nsf/IssueDate_FS?OpenFrameSet
    - Note: For comparability with the contract-level percentage point wage increases obtained from Ashenfelter and Dahl (2012), the provided code converts the raw arbitration data we collect to percentage points of wage increases as follows. We first compute, for each rank of employee included in a given contract, the average annualized wage increase that occurs over the duration of the contract. Then, for each contract, we take the median annualized wage increase among the ranks as the wage increase represented by that contract.

◦ Auxiliary data

- IPUMS National Historical Geographic Information System (NHGIS): Manson, Schroeder, Riper and Ruggles (2019)
  - Median household income and population data, namely the data files:
    - nhgis0004_ts_nominal_cty_sub.csv
    - nhgis0004_ts_nominal_county.csv
    - nhgis0004_ts_nominal_state.csv
    - nhgis0005_ts_nominal_cty_sub.csv
    - nhgis0005_ts_nominal_county.csv
    - nhgis0005_ts_nominal_state.csv
- U.S. Bureau of Labor Statistics (BLS)
  - File name: cpi_nynjpa.csv
  - CPI for Urban Wage Earners and Clerical Workers, NY-NJ-PA
    - Accessed March 2020 at https://beta.bls.gov/dataViewer/view/timeseries/CWURS12ASA0
- Rutgers Center for Government Services (CGS)
  - File name: NJDB.xls
  - New Jersey Data Book
    - Municipality-level population density, estimated population, value of taxable property, and credit rating. Accessed August 2020 at https://njdatabook.rutgers.edu

Software requirements

- Matlab (last run with Matlab Release 2020a)
- R 4.1.1 (last run with version 2022.02.3+492)
- STATA (last run with STATA SE 15.1)

Instructions to replicators

After downloading the replication folder in its entirety without changing, moving, or renaming its contents, follow these steps in strict sequence:

1. Edit `0_setup.do` to adjust the path to the downloaded replication folder, and run it.
2. Run `A_run_stata_code.do` in Stata.
3. Edit `B_ca_info_rsquared.R` to adjust the path to the downloaded replication folder. Then run in R.
4. Run `C_run_main_matlab_code.m` in Matlab.
5. To replicate bootstrap inference, run `D_run_bootstrap.m` in Matlab.
6. To replicate the appendix, run `E_run_appendix_etc.m` in Matlab.

- Details
  - Order matters. The steps should be followed in sequence. If running programs individually, they should be run in the order listed in the master files above.
  - `calculations` is a folder in which intermediate calculations will be deposited.
  - Figures and tables will be deposited in the folders `figures` and `tables`, respectively.

List of tables and programs

Main manuscript

Figure/Table #	Program	Output file
Table 1	stata/Table_1.do	tables/Table1.xls
Table 2	stata/Table_2.do	tables/Table2.tex
Table 3	matlab/table3.m	tables/Table3.csv
Table 4	matlab/table4.m	tables/Table4.csv
Table 5	matlab/table5.m	tables/Table5.csv
Table 6	matlab/table6.m	tables/Table6.csv
Figure 1	matlab/P1_est_foa.m	figures/figure1.eps
Figure 2	matlab/C3_information.m	figures/figure2.eps

Appendix

Figure/Table #	Program	Output file
Table A1	stata/Table_A1.do	tables/TableA1.tex
Table A2	stata/Table_A2.do	tables/TableA2.csv
Table A3	matlab/XC2.m	tables/TableA3.csv
Table A4	matlab/XC3.m	tables/TableA4.csv
Table A5	matlab/XC1.m	tables/TableA5.csv
Table A6	stata/Appendix_G.do	tables/TableA6.csv
Figure A1	matlab/figureA1.m	figures/figureA1.eps
Figure A2	matlab/figureA2.m	figures/figureA2a.eps, figureA2b.eps
Figure A3	matlab/P3_assess_fit.m	figures/figureA3e.eps, figureA3u.eps
Figure A4	stata/Figure_A4.do	figures/figureA4.eps
Figure A5	matlab/XC3.m	figures/figureA5.eps
Figure A6	matlab/figureA6.m	figures/figureA6.eps
Figure A7	stata/Appendix_G.do	figures/figureA7.eps

References

Ashenfelter, Orley and Gordon Dahl, "Replication data for: Bargaining and the Role of Expert Agents: An Empirical Study of Final-Offer Arbitration," 2012. Harvard Dataverse, V1. https://doi.org/10.7910/DVN/HVX2YP.

Manson, Steven, Jonathan Schroeder, David Van Riper, and Steven Ruggles, "IPUMS National Historical Geographic Information System: Version 14.0 [Database]," 2019. Minneapolis, MN: IPUMS. http://doi.org/10.18128/D050.V14.0.

New Jersey Public Employment Relations Commission (PERC), "Interest Arbitration Awards Issued Since January 10, 1996," 1996–2000. (accessed April–August 2020). https://www.perc.state.nj.us/IAAwards.nsf/IssueDate_FS?OpenFrameSet.

Rutgers Center for Government Services (CGS), "Dr. Ernest C. Reock, Jr. New Jersey Data Book," 1980–2001. New Brunswick, NJ (accessed August 2020). https://njdatabook.rutgers.edu.

U.S. Bureau of Labor Statistics (BLS), "All items in New York-Newark-Jersey City, NY-NJ-PA, urban wage earners and clerical workers, not seasonally adjusted [CWURS12ASA0]," 1942–2020. Consumer Price Index for

Urban Wage Earners and Clerical Workers (CPI-W) (accessed March 2020). https://beta.bls.gov/dataViewer/view/timeseries/CWURS12ASA0.