Guide to the Replication of

Franchino, Fabio, and Camilla Mariotto. "Bargaining Outcomes and Success in EU Economic Governance Reforms". *Political Science Research and Methods*.

Run the do files to replicate the results. Different do files rely on different datasets and, sometimes, they run other do files. So, please make sure to download all the replication files and save them in the *same* folder, from which you will be able to replicate all the results.
Outputs can be log files, from which tables are produced, graphs or other datasets, which can be used for subsequent analysis, especially in the robustness tests, or contain the information reported in the tables.
We recommend using `STATA` version 15 or above. You may need to install packages such as `ciplot` and `eclplot`. If datasets are modified by the commands, we suggest not to save the changes before exiting.

Replication of the Results in the Article

Table 1. Means of absolute differences between reference points, outcomes, and model predictions
Table 2. Model performance comparison between row model predictions and column model predictions
Commands to compute:

- the means, standard deviations, the two-sided sign tests reported in Table 1.
- the cell entries and one-sided sign tests reported in Table 2.

Dataset: data_signtest.dta
Do file: Tables_1_2.do
Output: tables_1_2.smcl

Table 3. Determinants of member states' bargaining success
Commands to compute:

- the regression model in Table 3.
- the substantive impact of extremeness and proximity to the European Parliament position.

Dataset: conflict_data1.dta
Do file: Tables_3_A8.do
Output: tables_3_A8.smcl

Success of parliamentary amendments and Levenshtein (1966)'s minimum edit distance between EP texts and final acts

The excel file "European Parliament amendments.xls" (sheet: Amendments) provides the descriptive statistics on the success of parliamentary amendments and Levenshtein (1966)'s minimum edit distance between the texts passed by the Parliament and the final acts divided by the length of an act.

Dataset: European Parliament amendments.xls

Figure 2. Overall mean absolute errors per issue, across levels of Gaussian noise

1) The first step consists in computing the mean absolute errors and 95% confidence intervals across the increasing levels of Gaussian noise, for each model. Running the do files listed below produces the datasets of mean absolute errors of each model. The running time of this first step could be a few hours. The readers can skip this step and run step 2 with the output dataset files already provided.

Model	Dataset and do file	Output
NBS	Dataset: NBSmodel_data.dta Do file: NBSrp_noise.do	Dataset: mad_NBSrp_noise.dta
NBS ¬ RP	Dataset: NBSmodel_data.dta Do file: NBSnorp_noise.do	Dataset: mad_NBSnorp_noise.dta
COMP	Dataset: NBSmodel_data.dta Do file: comp_noise.do	Dataset: mad_comp_noise.dta
Mean	Dataset: NBSmodel_data.dta Do file: mean_noise.do	Dataset: mad_m_mean_noise.dta
Minimax	Dataset: NBSmodel_data.dta Do file: minimax_noise.do	Dataset: mad_minimax_noise.dta
PROC	Dataset: PROCmodel_data.dta Do file: PROCrp_step2_noise.do	Dataset: mad_PROCrp_noise.dta
PROC¬ RP	Dataset: PROCmodel_data.dta Do file: PROCnorp_step2_noise.do	Dataset: mad_PROCnorp_noise.dta

2) The second step consists in producing figure 2 from the datasets generated from step 1.

Command to reproduce Figure 2:

Do file: Figure_2.do

Output: figure_2_noise.gph, figure_2.smcl

Replication of the Results in the Appendix

Table A3: Summary statistics of country and institutional positions
The dataset produced in the first part of this command contains the descriptive statistics of country positions, while the dataset produced in the second part the descriptive statistics about the positions of the Commission, of the Parliament and the outcomes.
Dataset: PROCmodel_data.dta
Do file: Table_A3.do
Output: table_A3.smcl

Table A4. Mean absolute errors of models by legislative procedure
Table A5. Mean Euclidean errors per proposal and pseudo R^2
Table A6. Means of absolute differences between reference points, outcomes, and compromise model predictions
Table A7. Model performance comparison between row compromise model predictions and column model predictions
Commands to compute:

- the means and standard deviations in Table A4
- the mean Euclidean errors and pseudo R^2 in Table A5
- the means, standard deviations, two-sided sign tests in Table A6.
- the cell entries and one-sided sign tests reported in Table A7.

Dataset: data_signtest.dta
Do file: Tables_A4_to_A7.do
Output: tables_A4_to_A7.smcl

Table A8. Descriptive statistics
Command to reproduce the descriptive statistics Table A8:
Dataset: conflict_data1.dta
Do file: Tables_3_A8.do
Output: tables_3_A8.smcl

Figure A2. Bargaining success of member states, institutions, and groups
Command to reproduce Figure A2:
Dataset: conflict_data2.dta
Do file: Figure_A2.do
Output: figure_A2.gph

Table A9. Significance of the difference in bargaining success
This command runs the t-tests whose results are used to fill in the cells in Table A9. After running the do file, the variables `act1` and `act2` of the resulting dataset list the member states and the institutions and the variable `A9_cell` the color of the cell

in Table A9. The do file also lists the significant results of the t-tests (assuming unequal variance) with the groupings of governments.
Dataset: t_test2.dta
Do file: Table_A9.do
Output: table_A9.scml

Figure A3. Salience-weighted bargaining success of member states, institutions, and groups
Command to reproduce Figure A3:
Dataset: conflict_data3.dta
Do file: Figure_A3.do
Output: figure_A3.gph

Table A10. Significance of the difference in salience-weighted bargaining success
This command runs the t-tests whose results are used to fill in the cells in Table A10. After running the do file, the variables `act1` and `act2` of the resulting dataset list the member states and the institutions and the variable `A10_cell` the color of the cell in Table A10. The do file also lists the significant results of the t-tests (assuming unequal variance) with the groupings of governments.
Dataset: t_test2_salience.dta
Do file: Table_A10.do
Output: table_A10.scml

Figure A4. Density of mean absolute errors per issue
1) The first step consists in computing the mean absolute errors for each model following the procedure described in the appendix. Running the do files listed below produces the datasets of mean absolute errors and the related kernel density graph. The running time of this first step could be a few hours. The readers can skip this step and run step 2 with the graph files already provided.

Model	Dataset and do file	Output
NBS	Dataset: NBSmodel_data.dta Do file: NBSrp figure A4_3.do	Dataset: mad_NBSrp.dta Graph: NBSrp.gph
NBS ¬ RP	Dataset: NBSmodel_data.dta Do file: NBSnorp figure A4_4.do	Dataset: mad_NBSnorp.dta Graph: NBSnorp.gph
COMP	Dataset: NBSmodel_data.dta Do file: comp figure A4_5.do	Dataset: mad_comp.dta Graph: comp.gph
Mean	Dataset: NBSmodel_data.dta Do file: mean figure A4_6.do	Dataset: mad_mean.dta Graph: mean.gph
Minimax	Dataset: NBSmodel_data.dta Do file: minimax figure A4_7.do	Dataset: mad_minimax.dta Graph: minimax.gph
PROC	Dataset: PROCmodel_data.dta Do file: PROCrp_step2 figure A4_1.do	Dataset: mad_PROCrp.dta Graph: PROCrp.gph
PROC¬ RP	Dataset: PROCmodel_data.dta Do file: PROCnorp_step2 figure A4_2.do	Dataset: mad_PROCnorp.dta Graph: PROCnorp.gph

2) The second step consists in producing figure A4 from the graphs generated from step 1.
   Command to reproduce Figure A4:
   Do file: Figure_A4.do
   Output: figure_A4.gph

Figure A5. Density of selected coefficients of bargaining success (recategorization test)

1) The first step consists in re-running the bargaining success regression of Table 3, following the procedure described in the appendix, and saving the betas. Running the do file listed below produces the dataset of betas. The running time of this first step could take some time. The readers can skip this step and run step 2 with the graph files already provided.
   Dataset: conflict_data1.dta
   Do file: bargaining success regression recat_test.do
   Output: betas.dta

2) The second step consists in producing figure A5 from the graphs generated from step 1.
   Command to reproduce Figure A5:
   Do file: Figure_A5.do
   Output: figure_A5.gph

Figure A6. Selected coefficients of bargaining success, across levels of Gaussian noise

1) The first step consists in re-running the bargaining success regression of Table 3, following the procedure described in the appendix, and saving the betas. Running the do file listed below produces the dataset of betas. The running time of this first step could take some time. The readers can skip this step and run step 2 with the graph files already provided.
   Dataset: conflict_data1.dta
   Do file: bargaining success regression noise.do
   Output: betas_noise.dta

2) The second step consists in producing figure A6 from the graphs generated from step 1.
   Command to reproduce Figure A6:
   Do file: Figure_A6.do
   Output: figure_A6.gph

Figure A7. Density of selected coefficients of bargaining success (independent coders test)

1) The first step consists in re-running the bargaining success regression of Table 3, following the procedure described in the appendix, and saving the betas. Running the do file listed below produces the dataset of betas. The running time of this first step could take some time. The readers can skip this step and run step 2 with the graph files already provided.
   Datasets: conflict_data1.dta ; conflict_data_crosscheck2.dta
   Do file: bargaining success regression crosscheck.do
   Output: betasCC.dta

2) The second step consists in producing figure A7 from the graphs generated from step 1.
   Command to reproduce Figure A7:
   Do file: Figure_A7.do
   Output: figure_A7.gph