Replication Package for: The Church as Arbiter

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This replication package accompanies Boix and Lacroix. (forthcoming). "The Church as Arbiter". Journal of Politics.

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Data availability and provenance statements

Statement about rights

The author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Summary of availability

- All data **are** publicly available.

Details on each data source

All raw data are stored in the folder `Data/Original`. The sources of this data are described in Online Appendix D.

Shapefiles:

- "Maps/Shapefiles/DEPARTEMENTS_1919.shp" is a shapefile of US counties (Source: Gay, V., 2021).

Original data from this study

- `Commune.dta` is the dataset at the Commune-level.
- `Canton.dta` is the dataset at the Cantonal-level.
- `Diocese.dta` is the dataset at the Diocese-level.
- `Departement.dta` is the dataset at the Departement-level.

For Map Construction

- `Maps/Shapefiles/Branches.shp` is a shapefile of French communes centroids with a variable indicating whether a commune had branches both before and after 1926.
- `Maps/Shapefiles/Branches_PermanencePost.csv`is a text file with French communes centroids and a variable indicating whether a commune had branches after 1926.
- `Maps/Shapefiles/Branches_PermanencePre.csv` is a text file with French communes centroids and a variable indicating whether a commune had branches before 1926.
- `Maps/Shapefiles/Branches_PermanencePre.csv` is a text file with French communes centroids and variables indicating the number of AF meetings in 1925, 1926, 1927 and 1928.

Dataset list

All these originals datasets appear in the folder `Data/original`.

Data file	Source	Notes	Provided
`Commune.dta`	Authors	As per terms of use	Yes
`Canton.dta`	Authors	As per terms of use	Yes
`Diocese.dta`	Authors	As per terms of use	Yes
`Departement.dta`	Authors	As per terms of use	Yes
`Maps/Shapefiles/DEPARTEMENTS_1919.shp`	Gay V. (2021)	As per terms of use	Yes
`Maps/Shapefiles/Branches.shp`	Authors	As per terms of use	Yes
`Maps/Shapefiles/Branches_PermanencePost.csv`	Authors	As per terms of use	Yes
`Maps/Shapefiles/Branches_PermanencePre.csv`	Authors	As per terms of use	Yes

Computational requirements

Software requirements

- Stata (code was last run with version 18)
- QGIS 3.36 Maidenhead.

Memory and runtime requirements

Summary Approximate time needed to reproduce the analyses on a standard desktop machine: 20 min.

Details The code was last run on a HP Elitebook x360 1030 G8 Notebook with 11th Gen Intel(R) Core(TM) i7-1185G7, running Windows 11 Professional.

Description of programs/code

All codes are in the `Code` folder. Codes are organized in two subfolders: `Preparation` and `Results`. A `Master` dofile runs first the `Preparation` dofiles and then the `Results` dofiles.

The folder Map contains a QGis project and necessary shapefiles to produce the Maps in Figure 3 and Appendix Figures B.1.

In the folder `Preparation`:

- `1.Preparation Commune_data` defines variables and prepare the dataset at the communal level.
- `1.Preparation Canton_data` defines variables and prepare the dataset at the cantonal level.
- `1.Preparation Departement_data` defines variables and prepare the dataset at the departemental level.
- `1.Preparation Diocese_data` defines variables and prepare the dataset at the diocese level.

In the folder `Results`:

The codes produces the output of the Main text and of the Online Appendix. Codes `Table1a.do` to `Table5.do` produce the Tables of the main text. Codes `Figure2.do` to `Figure8.do` produce the Figures of the main text. Codes to produce the Figures in Appendix are denominated with the letter and the number of the

Appendix. Codes starting by App_Figure produce Figures in Appendix. Tables output are stored in the folder `Results/Tables`. Figures are stored in the folder `Results/Figures` both in png and pdf format.

Maps are produced from the QGis project in the `Maps` folder.

In details, output in the main text is produced as follows. - `Code/Results/Table1a.do` produces the first panel of Table 1. - `Code/Results/Table1b.do` produces the second panel of Table 1. - `Code/Results/Table2.do` produces the Table 2. - `Code/Results/Table3.do` produces the Table 3 - `Code/Results/Table4.do` produces the Table 4. - `Code/Results/Table5.do` produces the Table 5. - `Code/Results/Figure2.do` produces Figure 2. - `Code/Results/Figure4a.do` produces Figure 4a. - `Code/Results/Figure4b.do` produces Figure 4b. - `Code/Results/Figure4c.do` produces Figure 4c. - `Code/Results/Figure5a.do` produces Figure 5a. - `Code/Results/Figure5b.do` produces the Table 5b.

In details, output in the Online Appendix is produced as follows. - `Code/Results/TableA1.do` produces Table A1. - `Code/Results/TableA2a.do` produces the first panel of Table A2. - `Code/Results/TableA2b.do` produces the second panel of Table A2. - `Code/Results/TableA2c.do` produces the third panel of Table A2. - `Code/Results/TableA3a.do` produces the first panel of Table A3. - `Code/Results/TableA3b.do` produces the second panel of Table A3. - `Code/Results/TableA3c.do` produces the third panel of Table A3. - `Code/Results/TableA4.do` produces Table A4. - `Code/Results/TableA5.do` produces Table A5. - `Code/Results/TableA6.do` produces Table A6. - `Code/Results/App_FigureB2.do` produces Figure B2. - `Code/Results/App_FigureB3.do` produces Figure B3.

Instructions to replicators

To produce Tables and Figures using the Stata. - Adjust the default paths by editing the path setting command in `Master`dofile to the path of the replication package ("XXXX" appearing in line 10 and 11 in `Replication package/Code`).
- Ensure that the Folders located in `Replication package/Results` are empty. - Run the `Replication package/CodeMaster.do`.

To produce the maps (Figure 3 in the text and Figures B1), open the QGis project `Maps`in the folder `Replication package/Maps`. You can click on the different layers to produce maps. - To produce Figure 3 in the main text, select the layers `DEPARTEMENTS_1919`, `Branches`, `Branches_before`and `Branches_after`. You can edit the map by `Creating a New Print Layout`in the Project Menu. - To produce the different Figures B1, unselect the different `Branches`, `Branches_before`and `Branches_after` layers. Then select the `Meetings`layout and then right click on the layer to select Properties, the go to Symbols. You can then use Categorize and select `Meetings_YYYY` YYYY being the year of interest. Click then on Classify, Apply and Unselect Observations with either 0 or no value. You can then produce a Map using `Creating a New Print Layout`. Repeat the operation for the different years.

Details

- As codes run, the folder `Data/Generated data` will contain the datasets saved from the different codes.

- All outputs will be saved in the folders `Results/Figures` in pdf and png format and `Results/Tables` in tex format. # List of tables and figures The provided code reproduces:
- All tables in the paper as well as Figures (except Maps – Figure 3 and Figures B1).

The Figures and Tables in the main text are obtained as follows:

Figure/Table #	Program	Output file
Table 1	`Code/Results/Table1a.do`	`Results/Tables/Table1a.tex`
	`Code/Results/Table1b.do`	`Results/Tables/Table1b.tex`
Table 2	`Code/Results/Table2.do`	`Results/Tables/Table2.tex`
Table 3	`Code/Results/Table3.do`	`Results/Tables/Table3.tex`
Table 4	`Code/Results/Table4.do`	`Results/Tables/Table4.tex`

Figure/Table #	Program	Output file
Table 5	Code/Results/Table5.do	Results/Tables/Table5.tex
Figure 2	Code/Results/Figure2.do	Results/Figures/Figure2.png/pdf
Figure 3	QGIS Project Maps	TBD
Figure 4	Code/Results/Figure4a.do	Results/Figures/Figure4a.png/pdf
	Code/Results/Figure4b.do	Results/Figures/Figure4b.png/pdf
	Code/Results/Figure4c.do	Results/Figures/Figure4c.png/pdf
Figure 5	Code/Results/Figure5a.do	Results/Figures/Figure5a.png/pdf
	Code/Results/Figure5b.do	Results/Figures/Figure5b.png/pdf
Figure 6	Code/Results/Figure6a.do	Results/Figures/Figure6a.png/pdf
	Code/Results/Figure6b.do	Results/Figures/Figure6b.png/pdf
Figure 7	Code/Results/Figure7.do	Results/Figures/Figure7.png/pdf
Figure 8	Code/Results/Figure8.do	Results/Figures/Figure8.png/pdf

The Figures and Tables in the online Appendix are obtained as follows:

Figure/Table #	Program	Output file
Table A1	Code/Results/TableA1.do	Results/Tables/TableA1.tex
Table A2	Code/Results/TableA2a.do	Results/Tables/TableA2a.tex
	Code/Results/TableA2b.do	Results/Tables/TableA2b.tex
	Code/Results/TableA2c.do	Results/Tables/TableA2c.tex
Table A3	Code/Results/TableA3a.do	Results/Tables/TableA3a.tex
	Code/Results/TableA3b.do	Results/Tables/TableA3b.tex
	Code/Results/TableA3c.do	Results/Tables/TableA3c.tex
Table A4	Code/Results/TableA4.do	Results/Tables/TableA4.tex
Table A5	Code/Results/TableA5.do	Results/Tables/TableA5.tex
Figures B1	QGIS Project "Maps"	TBD
Figure B2	Code/Results/App_FigureB2.do	Results/Figures/FigureB2.png/pdf
Figure B3	Code/Results/App_FigureB3.do	Results/Figures/FigureB3.png/pdf

Tables 1, A2, A3 adds the results obtained in different output in different panels. Panels are denoted a,b,c.

References

- Gay, V. (2021). Mapping the Third Republic: A geographic information system of France (1870–1940). Historical Methods: A Journal of Quantitative and Interdisciplinary History, 54(4), 189-207.