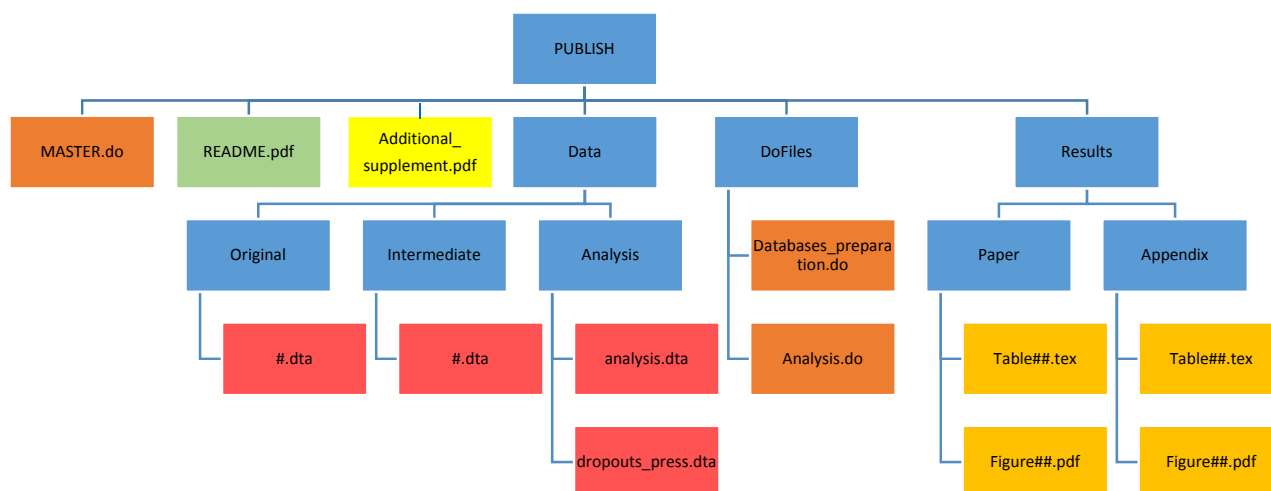# EXPRESSIVE VOTING AND ITS COST:

EVIDENCE FROM RUNOFFS WITH TWO OR THREE CANDIDATES

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README - Data Publication Notes

A. General organisation of the PUBLISH folder:

- **Data**:
  This folder is divided into three subfolders, named Original, Intermediate and Analysis.
  .   Original contains the original datasets used for replication, from which all the subsequent datasets are generated.
  - o database_elections.dta: results of the 1978, 1981, 1988, 1993, 1997, 2002, 2007 and 2012 parliamentary elections as well as the results of the 2011 and 2015 local elections. There is one line per candidate per race.
  - o campaign_expenditures.dta: campaign expenditures and contributions of the top three candidates for the 1993, 1997, 2002, 2007 and 2012 parliamentary elections and for the 2011 and 2015 local elections. There is one line per candidate per race.
  - o political_orientations.dta: attributes to each political label in each election year one of six political orientations. There is one line per political label per election.
  - o INSEE_departement_population.xls: population of each French département from 1975 to 2006. There is one page per year and in each page one line per département.
  - o newspaper_circulation_departement.dta: number of newspaper copies in circulation in each French département for each election year. There is one line per year per département.
  - o radio_audience_departement.dta: yearly radio news audience of each French département in 2003, 2007, 2011, 2012, and 2015. There is one line per year per département.

o TV_audience_region.dta: TV news audience of each French region in 2010, 2011, 2012, and 2015. There is one line per year and region.

. Intermediate contains the intermediate datasets, generated from the datasets contained in Original by Databases_preparation.do, and used to generate analysis.dta and dropouts_press (also generated by Databases_preparation.do). The intermediate datasets are not directly used for analysis.

. Analysis contains analysis.dta and dropouts_press.dta, which are used for analysis by Analysis.do. It generates the tables and figures in the Results folder. dropouts_press.dta is only used for the analysis of press articles covering dropout events (Section 5.2 and Appendix H) while analysis.dta is used for all the rest of the analysis.

- **DoFiles**:
  This folder contains all the dofiles used for replication, except for MASTER.do.
  . Databases_preparation.do generates analysis.dta and dropouts_press.dta using the Original datasets and the Intermediate datasets created by itself.
  . Analysis.do generates the results, tables and figures of the paper and of the online appendix based on analysis.dta and dropouts_press.dta.

- **Results**:
  This folder is divided into two subfolders, named Paper and Appendix.
  . Paper contains the source files generated by Analysis.do for the tables and figures included in the paper.
  . Appendix contains the source files generated by Analysis.do for the tables and figures included in the online appendix.

- **MASTER.do**:
  Dofile which runs all the dofiles contained in the DoFiles folder. It should be used first to register macro paths. It also contains specific commands you may need to install to be able to run the replication.

- **Additional_supplement.pdf**:
  Document which contains additional supplemental material, referenced in the Supplemental material: Appendices C, F, and I.

B. **Specific commands**:

- To run the dofiles, you will need to install the following commands, using *ssc install*:
  - *ivreg2*
  - *ranktest*
  - *egenmore*
  - *estout*
  - *outreg2*
  - *coefplot*
- To run the rdrobust and rdplot commands, you need to get the rdrobust package. You can obtain it from the package author's webpage by typing the following in Stata:
  net install rdrobust, from(https://sites.google.com/site/rdpackages/rdrobust/stata) replace.

- To run the DCdensity command, you need to get the DCdensity.ado file. This ado file is not available through Stata directly (ssc install or findit). You can download it directly from the website (link below) and copy it in the ado\plus Stata folder.
  https://eml.berkeley.edu/~jmccrary/DCdensity/.
- The same goes for the rdob command: you can download the rdob.ado file from the website (link below) and copy it in the ado\plus Stata folder
  https://people.stanford.edu/imbens/software.

C. Datasets' origins (for data not publicly available)

- Elections results for the 1981 and 1988 parliamentary elections were collected and digitized by Nicolas Sauger.
- Candidates' campaign expenditures for the 1993, 1997 and 2002 parliamentary elections were collected and digitized by Abel François and his co-authors (Fauvelle-Aymar and François, 2005; Foucault and François, 2005).
- Data on local newspaper circulation were collected by Julia Cagé (Cagé, 2017) for her work on media competition and participation in France.
- We collected data on radio and TV news audiences from Médiamétrie (http://www.mediametrie.fr), a company specialized in the measurement of media audiences.

D. Notes on the identifiers used in the databases

- "year": year in which the election took place
- "election_type": type of election (local or parliamentary)
- "region_code": identifier of the region (first level of government below the national level)
- "departement_code": identifier of the département (second level of government below the national level)
- "constituency_code": identifier of the constituency (level at which parliamentary elections are held)
- "canton code": identifier of the canton (level at which local elections are held)
- "id_district": identifier of the district: combination of the "election_type", "departement_code" and "constituency_code" variables for the parliamentary races; combination of the "election_type", "departement_code" and "canton_code" variables for the local races
- "id_unique": unique identifier for each race: combination of the "year" and "id_district" variables.

E. Contact:

If you have any question regarding this data publication please contact Vincent Pons by email: vpons@hbs.edu

F. General list of content:

README.pdf		
MASTER.do		
Datasets		
Original	Intermediate	Analysis

database_elections.dta political_orientations.dta campaign_expenditures.dta INSEE_departement_population.xls newspaper_circulation_departement.dta radio_audience_departement.dta TV_audience_region.dta dropouts_press_Factiva	database_elections_v2.dta departement_population_1978.dta departement_population_1981.dta departement_population_1988.dta departement_population_1993.dta departement_population_1997.dta departement_population_2002.dta departement_population_2007.dta departement_population_2011.dta departement_population_2012.dta departement_population_2015.dta department_population.dta newspaper_circulation_departement_v2.dta radio_audience_departement_v2.dta TV_audience_region_v2.dta	analysis.dta dropouts_press.dta

Dofiles

Analysis.do

Databases_preparation.do

Results

Paper	Appendix
Figure1_1st_stage.pdf	FigureA1_McCrary.pdf
Figure2_candvotes.pdf	FigureA2_blank_2015.pdf
Figure2_turnout.pdf	FigureA2_blanknull_2015.pdf
Figure2_blanknull.pdf	FigureA2_null_2015.pdf
Figure3_toptwo.pdf	FigureA3_1stcand.pdf
Figure4_candA_setting1.pdf	FigureA3_2ndcand.pdf
Figure4_candB_setting1.pdf	FigureA4_winning_margin.pdf
Figure4_candB_setting2.pdf	FigureA5_bdwp1_candvotes.pdf
Figure4_candC_setting2.pdf	FigureA5_bdwp1_toptwo.pdf
Figure4_candA_setting3.pdf	FigureA5_bdwp1_winner.pdf
Figure4_candC_setting3.pdf	FigureA5_bdwp2_candvotes.pdf
Figure5_winner_identity.pdf	FigureA5_bdwp2_toptwo.pdf
Table1_summary_statistics.tex	FigureA5_bdwp2_winner.pdf
Table2_1st_stage.tex	FigureB1_closenessR1.pdf
Table3_participation.tex	FigureB1_nbcandidatesR1.pdf
Table4_candvotes.tex	FigureB1_registered.pdf
Table5_toptwo.tex	FigureB1_turnoutR1.pdf
Table6_toptwo_strength3rd.tex	FigureB2_predicted_assignment.pdf
Table7_winner_identity.tex	FigureD1_contributions_top2.pdf
	FigureD1_expenditures_top2.pdf
	FigureD1_contributions_cand3.pdf
	FigureD1_ expenditures_cand3.pdf
	FigureG1_dropout3rd.pdf
	FigureG1_dropout3rd_different.pdf
	FigureG1_dropout3rd_same.pdf
	TableA2_ITT_same_orientation.tex
	TableA3_blanknull_2015.tex
	TableA4_1st2nd.tex
	TableA5_toptwo_setting1.tex
	TableA6_toptwo_setting2.tex
	TableA7_toptwo_setting3.tex
	TableA8_winning_margin.tex
	TableA9_winmargin_orientation.tex
	TableA10_participation_orientation.tex
	TableB1_placebo.tex
	TableC1_dropout_2ndcand.tex
	TableC2_4th_not_qualified.tex
	TableD1_campaign_top2.tex
	TableD1_campaign_cand3.tex
	TableE1_closeness_voteshare.tex
	TableE2_closeness_strength.tex
	TableF1_top2_salience.tex
	TableF2_strength_parliamentary.tex

	TableF3_closeness_parliamentary.tex
	TableF4_top2_median.tex
	TableF5_top2_terciles.tex
	TableF6_strength_median_newspaper.tex
	TableF7_strength_median_radio.tex
	TableF8_strength_median_TV.tex
	TableF9_closeness_median_newspaper.tex
	TableF10_closeness_median_radio.tex
	TableF11_closeness_median_TV.tex
	TableG1_dropout3rd_orientation.tex
	TableG2_dropout3rd_closeness_same.tex
	TableG3_dropout3rd_closeness_different.tex
	TableG4_dropout3rd_distancetop2_same.tex
	TableG5_dropout3rd_distancetop2_different.tex