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Execution Report

Title: Do Neighborhoods Empower or Disenfranchise? Co-ethnic Concentration, Spatial Disadvantage, and Voter Registration in France

Authors: **Haley McAvay & Pavlos Vasilopoulos**

Full reference: McAvay, Haley, & Vasilopoulos, Pavlos " Do Neighborhoods Empower or Disenfranchise? Co-ethnic Concentration, Spatial Disadvantage, and Voter Registration in France" Conditionally accepted paper, *Journal of Politics*.

The structure and contents of this execution report provided by **cascad** for the certification are similar to those recommended by the AEA Data Editor.

1. DATA DESCRIPTION

This study uses French administrative panel data from the *Permanent Demographic Sample* (*L'échantillon démographique permanent*, or EDP) and population census to study the influence of neighbourhood environments on voter registration. Those datasets are confidential: the author accessed them through the CASD.

The datasets are listed below:

1. EDP Permanent Demographic Sample: https://www.casd.eu/en/source/permanent-demographic-sample/
2. RP: Population Census: https://www.casd.eu/en/source/population-census/

Researchers wishing to get access should contact the CASD at https://www.casd.eu/en/contacts-title/ and ask for a copy of the "INEPROG" project. Once they have obtained clearance from the Statistical Confidentiality Committee, they will have to take part in an enrolment session after which they will receive a fingerprint-encrypted chip card and a "SD Box". This will allow them to access the data in a secure environment. Thanks to a partnership with the CASD, cascad reproducibility experts are already enrolled.

Those datasets are supplemented with a special survey on ethnic minorities in France, *Trajectories and Origins* (*Trajectoires et origines*, or TeO).

For a thorough description of the data, please refer to the "Data and Methods" section of the paper.

2. CODE DESCRIPTION

The verification materials contain:

- One dataset named “teo_replication.dta”
- One Stata script named “replication_nonCASD.do”. It imports the aforementioned data and generate Figure 2, Table A2, and Table A6.
- A “code_CASD” folder, which stores two SAS and fourteen Stata scripts:
    - 1a. Original datasets EDP.sas
    - 1b. Iris_data SAS.sas
    - 1c. Iris_data Stata.do
    - 2a. DM_1999.do
    - 2b. DM_2008-2013.do
    - 2c. DM_Append_1999-2013.do
    - 3. DM_Fiches_electorales.do
    - 4a. DM_G2.do
    - 4b. DM_Generation_1975-2013.do
    - 5. DM_Final_Merge.do
    - 6. Setup_EV.do
    - 7a. DM for Analysis.do
    - 7b. DM for Analysis (Size).do
    - 8a. Analysis1.do
    - 8b. Analysis2.do
    - Master Do File.do

The SAS scripts must be run first. They draw on the original confidential data and convert the files into Stata .dta files to be used afterwards. “Master Do File” must be run next: it will call all the other Stata scripts in order. The first ones, from 1c to 7b create datasets that are used by the two other scripts to generate the Tables and Figures.

3. VERIFICATION STEPS

The verification material (code and public data) was received as a .Zip file on September 15. On September 18, we sent a data request form to the Statistical Confidentiality Committee. We received their approval on September 22, and the CASD set up the environment on September 25.

We received the following error messages when running the code:

```
. run "1c. Iris_data Stata.do"
c_geo not found
r(111);

end of do-file

r(111);
```

```
. run "7b. DM for Analysis (Size).do"
c_geo not found
r(111);

end of do-file

r(111);
```

```
. run "7b. DM for Analysis (Size).do"
iris08_lr not found
r(111);

end of do-file

r(111);
```

Those three errors occur in Stata scripts which try importing the .dta files "1b. Iris_data SAS.sas" had created from the raw data, and are caused by a formatting issue. Indeed, the variables' names in those files are written in uppercase, whereas the Stata scripts expect lowercase. For instance, there is no "c_geo" variable, but a "C_GEO" one instead. To bypass this issue, we added the command rename *, lower in the scripts each time they import a data file, for instance:

```
7   ***  Logement ***
8
9   cd "C:\Users\INEPROG_H_MCAVAY0\Desktop\Registration\data"
10  use "iris_log_2012", clear
11  rename *, lower
```

The rest of the code worked without any issue.

4. FINDINGS

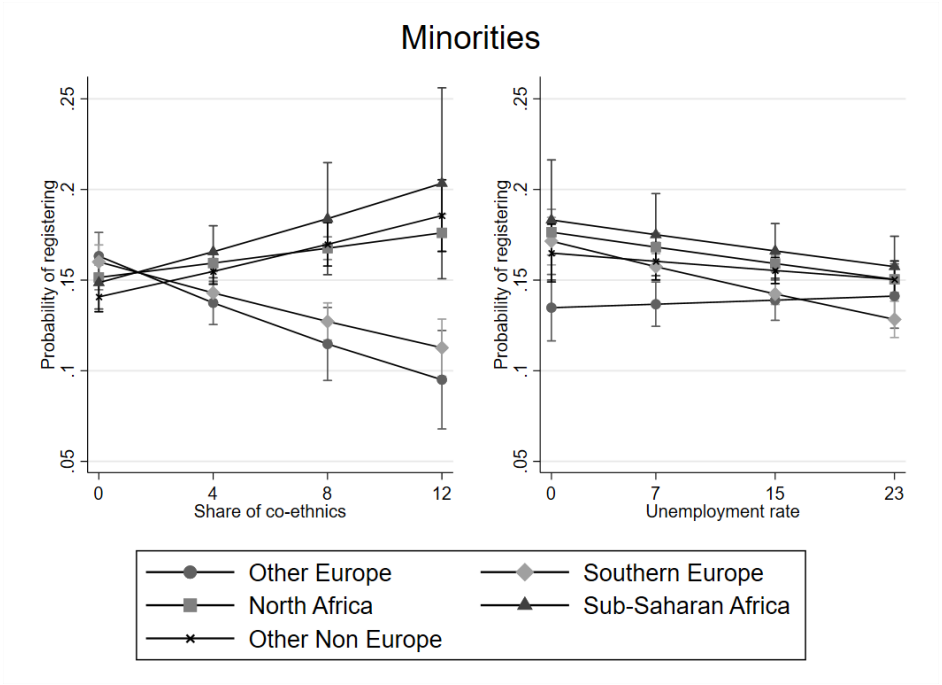
We reproduced Figures 1-2 as well as Tables 1-2, A1-A9 with **perfect accuracy**.

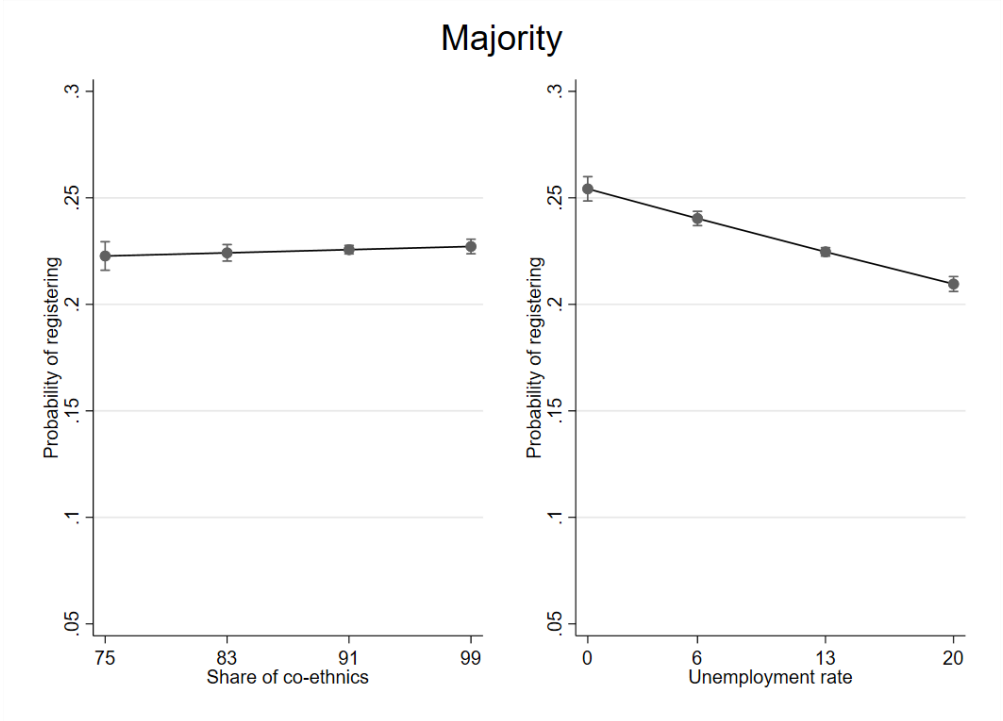
4.1. TABLE 1. EFFECTS OF ETHNORACIAL GROUP AND NEIGHBORHOOD VARIABLES ON REGISTERING (EDP)

VARIABLES		(1) reg2
1.orig5	0.068	-0.356+
	(0.118)	(0.183)
2.orig5	0.095	-0.069
	(0.107)	(0.158)
3.orig5	0.230*	-0.271+
	(0.103)	(0.147)
4.orig5	0.202+	-0.304+
	(0.119)	(0.182)
5.orig5	0.125	-0.446**
	(0.108)	(0.158)
coeth_alt	0.005***	0.001
	(0.001)	(0.001)
1.orig5#c.coeth_alt		-0.066***
		(0.019)
2.orig5#c.coeth_alt		-0.044***
		(0.011)
3.orig5#c.coeth_alt		0.018**
		(0.006)
4.orig5#c.coeth_alt		0.040+
		(0.022)
5.orig5#c.coeth_alt		0.034***
		(0.009)
tx_unemp_	-0.012***	-0.016***
	(0.001)	(0.002)
1.orig5#c.tx_unemp_		0.019**
		(0.007)
2.orig5#c.tx_unemp_		-0.003
		(0.005)
3.orig5#c.tx_unemp_		0.006
		(0.004)
4.orig5#c.tx_unemp_		0.006
		(0.008)
5.orig5#c.tx_unemp_		0.010*
		(0.005)
Observations	188,416	188,416

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.2. FIGURE 1. EFFECTS OF NEIGHBORHOOD VARIABLES ON REGISTRERING BY ETHNORACIAL GROUP

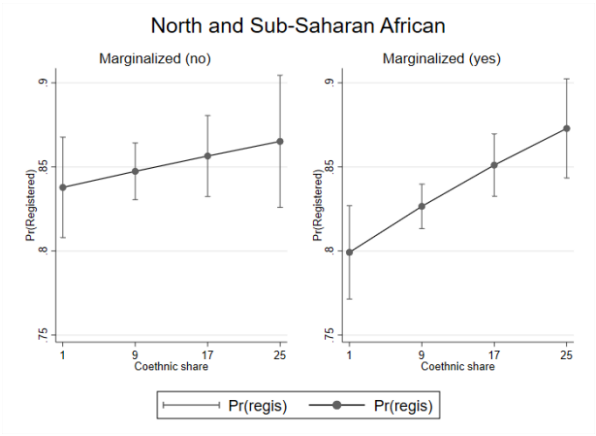


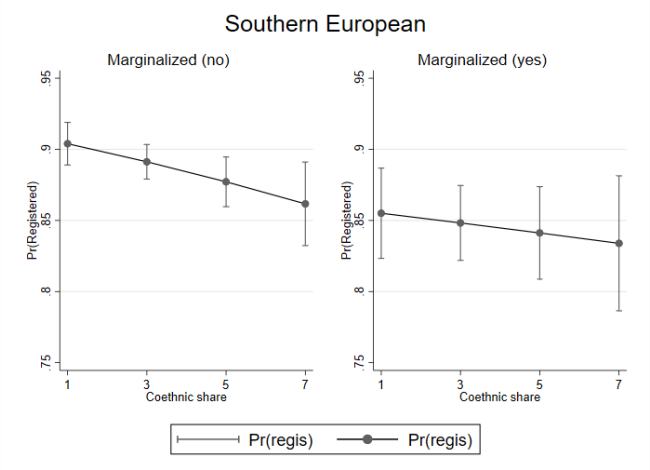


4.3. TABLE 2. EFFECTS OF CO-ETHNIC CONCENTRATION ON REGISTERING BY ETHNORACIAL GROUP FROM INDIVIDUAL FIXED EFFECTS MODELS

VARIABLES	(1) reg2	(1) reg2	(1) reg2
coeth_alt	0.020***	0.019+	0.033**
	(0.006)	(0.010)	(0.012)
1.orig5#c.coeth_alt	-0.119+	-0.376**	0.047
	(0.071)	(0.117)	(0.196)
2.orig5#c.coeth_alt	-0.267***	-0.130	-0.410***
	(0.048)	(0.104)	(0.109)
3.orig5#c.coeth_alt	0.086**	-0.008	0.142**
	(0.028)	(0.057)	(0.045)
4.orig5#c.coeth_alt	0.320**	0.117	0.266
	(0.108)	(0.157)	(0.235)
5.orig5#c.coeth_alt	0.104+	0.150	0.060
	(0.056)	(0.106)	(0.107)
Observations	61,441	24,642	21,367
Number of id	28,150	11,578	9,853

4.4. FIGURE 2. REGISTRATION BY ETHNORACIAL GROUP, THE NEIGHBORHOOD CO-ETHNIC SHARE, AND MARGINALIZATION





4.5. TABLE A1. DESCRIPTIVE STATISTICS ON ALL VARIABLES (EDP)

	Mean	SD	Mean	SD
everreg	.306	.461	.413	.492
coeth alt	3.918	4.422	91.357	8.34
coeth alt	2.411	3.269		
coeth alt	3.408	2.568		
coeth alt	5.37	5.623		
coeth alt	2.34	2.923		
coeth alt	2.943	3.757		
tx unemp	14.835	8.35	12.78	7.324
tx youth	39.542	8.071	37.76	7.854
tx mob	34.127	10.113	32.526	10.699
city1	.116	.32	.256	.436
city2	.27	.444	.329	.47
city3	.361	.48	.287	.452
city4	.253	.435	.128	.334
bornfr	.461	.498	.961	.195
agecat1	.316	.465	.387	.487
agecat2	.176	.381	.19	.392
agecat3	.155	.362	.141	.348
agecat4	.119	.324	.099	.299
agecat5	.234	.423	.183	.387
female	.507	.5	.459	.498
matr1	.419	.493	.591	.492
matr2	.433	.495	.288	.453
matr3	.148	.355	.121	.326
dip1	.276	.447	.29	.454
dip2	.296	.456	.373	.484
dip3	.16	.367	.148	.355
dip4	.117	.322	.09	.287
dip5	.151	.358	.098	.297
catp1	.058	.235	.073	.26
catp2	.062	.241	.033	.179
catp3	.109	.312	.093	.291
catp4	.196	.397	.174	.379
catp5	.196	.397	.225	.418
catp6	.126	.331	.117	.322
catp7	.111	.314	.137	.344
catp8	.142	.349	.147	.354
tenure1	.466	.499	.432	.495
tenure2	.206	.405	.257	.437
tenure3	.26	.439	.196	.397
tenure4	.068	.251	.115	.319
move	.382	.486	.419	.493
minyear1	.866	.341	.709	.454
minyear2	.134	.341	.291	.454
orig52	.1	.3		
orig53	.275	.447		
orig54	.387	.487		
orig55	.062	.242		
orig56	.176	.38		

4.6. TABLE A2. DESCRIPTIVE STATISTICS ON ALL VARIABLES (TEO)

Reproduced:

	Mean	SD	Mean	SD
regis	.855	.352	.901	.298
coeth1	6.612	6.769	92.456	7.021
coeth1	9.011	7.576		
coeth1	2.916	2.338		
iris tx chom15p	13.96	7.764	10.82	5.82
iris pct m18	23.198	5.489	22.067	4.878
iris pct emrec	29.856	9.671	28.335	9.906
citysize1	.091	.288	.232	.422
citysize2	.057	.232	.124	.329
citysize3	.091	.288	.098	.297
citysize4	.148	.355	.139	.346
citysize5	.307	.461	.273	.446
citysize6	.306	.461	.135	.341
native	.743	.437		
agecat1	.24	.427	.168	.374
agecat2	.289	.453	.221	.415
agecat3	.274	.446	.283	.451
agecat4	.156	.363	.236	.425
agecat5	.041	.199	.092	.288
femme	.534	.499	.527	.499
matr1	.516	.5	.459	.498
matr2	.419	.493	.457	.498
matr3	.009	.094	.012	.108
matr4	.056	.231	.072	.258
dip rec1	.517	.5	.469	.499
dip rec2	.217	.412	.21	.407
dip rec3	.266	.442	.322	.467
incomedum1	.192	.394	.157	.364
incomedum2	.197	.397	.155	.362
incomedum3	.189	.392	.189	.392
incomedum4	.165	.371	.195	.396
incomedum5	.146	.353	.22	.414
incomedum6	.111	.315	.084	.277
tenure1	.415	.493	.593	.491
tenure2	.188	.391	.211	.408
tenure3	.348	.477	.141	.348
tenure4	.049	.216	.054	.227
mob	.412	.492	.42	.494
origrec1				
origrec2	.606	.489		
origrec3	.394	.489		
exclusion	.458	.498		
exclusion	.624	.484		
exclusion	.201	.4		

4.7. TABLE A3. LOGISTIC DISCRETE TIME MODELS PREDICTING VOTER REGISTRATION (EDP)

VARIABLES	(1) reg2	(1) reg2
1.orig5	0.068	-0.356+
	(0.118)	(0.183)
2.orig5	0.095	-0.069
	(0.107)	(0.158)
3.orig5	0.230*	-0.271+
	(0.103)	(0.147)
4.orig5	0.202+	-0.304+
	(0.119)	(0.182)
5.orig5	0.125	-0.446**
	(0.108)	(0.158)
0b.orig5#co.coeth_alt	0.005***	0.000
	(0.001)	(0.000)
1.orig5#c.coeth_alt		-0.066***
		(0.019)
2.orig5#c.coeth_alt		-0.044***
		(0.011)
3.orig5#c.coeth_alt		0.018**
		(0.006)
4.orig5#c.coeth_alt		0.040+
		(0.022)
5.orig5#c.coeth_alt		0.034***
		(0.009)
0b.orig5#co.tx_unemp_	-0.012***	-0.016***
	(0.001)	(0.002)
1.orig5#c.tx_unemp_		0.019**
		(0.007)
2.orig5#c.tx_unemp_		-0.003
		(0.005)
3.orig5#c.tx_unemp_		0.006
		(0.004)
4.orig5#c.tx_unemp_		0.006
		(0.008)
5.orig5#c.tx_unemp_		0.010*
		(0.005)
tx_youth_	-0.004***	-0.006***
	(0.001)	(0.001)
tx_mob_	-0.002**	-0.002*
	(0.001)	(0.001)
2.city	-0.098***	-0.095***
	(0.020)	(0.020)
3.city	-0.190***	-0.188***
	(0.025)	(0.025)
4.city	-0.152**	-0.164**
	(0.055)	(0.055)
bornfr_	0.575***	0.573***
	(0.027)	(0.027)
2.agecat	-0.358***	-0.359***
	(0.020)	(0.020)
3.agecat	-0.868***	-0.867***
	(0.025)	(0.025)
4.agecat	-1.339***	-1.336***
	(0.032)	(0.032)

5.agecat	-2.426***	-2.426***
	(0.036)	(0.036)
female	0.180***	0.182***
	(0.015)	(0.015)
2.matr_	0.191***	0.192***
	(0.019)	(0.019)
3.matr_	0.122***	0.123***
	(0.029)	(0.029)
1.dip_	0.578***	0.576***
	(0.019)	(0.019)
2.dip_	0.104***	0.106***
	(0.024)	(0.024)
3.dip_	0.014	0.015
	(0.027)	(0.027)
4.dip_	0.393***	0.395***
	(0.026)	(0.026)
1.catp_	-0.123***	-0.126***
	(0.035)	(0.035)
2.catp_	0.454***	0.459***
	(0.037)	(0.037)
3.catp_	0.344***	0.344***
	(0.026)	(0.026)
4.catp_	0.141***	0.141***
	(0.023)	(0.023)
6.catp_	-0.056*	-0.054*
	(0.025)	(0.025)
7.catp_	1.647***	1.648***
	(0.029)	(0.029)
8.catp_	-0.465***	-0.465***
	(0.028)	(0.028)
2.tenure_	-0.206***	-0.209***
	(0.019)	(0.019)
3.tenure_	-0.167***	-0.172***
	(0.021)	(0.021)
4.tenure_	-0.610***	-0.613***
	(0.029)	(0.029)
move	0.090***	0.092***
	(0.016)	(0.016)
2008.minyear	-0.443***	-0.449***
	(0.017)	(0.017)
dur	6.159***	6.155***
	(0.057)	(0.057)
dur2	-1.369***	-1.368***
	(0.014)	(0.014)
Constant	-7.774***	-7.308***
	(0.155)	(0.179)
Observations	188,416	188,416

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.8. TABLE A4. LOGISTIC DISCRETE TIME MODEL PREDICTING VOTER REGISTRATION USING NEIGHBORHOOD CO-ETHNIC GROUP SIZE INSTEAD OF THE CO-ETHNIC SHARE (EDP)

	(1)
VARIABLES	reg2
total_group_log	-0.018
	(0.014)
1.orig5	-0.759***
	(0.224)
2.orig5	-0.180
	(0.153)
3.orig5	-0.842***
	(0.142)
4.orig5	-0.792***
	(0.214)
5.orig5	-1.150***
	(0.171)
1.orig5#c.total_group_log	-0.015
	(0.050)
2.orig5#c.total_group_log	-0.061*
	(0.030)
3.orig5#c.total_group_log	0.109***
	(0.028)
4.orig5#c.total_group_log	0.124*
	(0.053)
5.orig5#c.total_group_log	0.169***
	(0.034)
tx_unemp_	-0.017***
	(0.001)
1.orig5#c.tx_unemp_	0.027***
	(0.007)
2.orig5#c.tx_unemp_	-0.001
	(0.005)
3.orig5#c.tx_unemp_	0.007*
	(0.003)
4.orig5#c.tx_unemp_	0.006
	(0.008)
5.orig5#c.tx_unemp_	0.011*
	(0.005)
tx_youth_	-0.006***
	(0.001)
tx_mob_	-0.002*
	(0.001)
2.city	-0.076**
	(0.025)
3.city	-0.178***
	(0.028)
4.city	-0.159**
	(0.057)
bornfr_	0.582***
	(0.028)
2.agecat	-0.362***
	(0.020)
3.agecat	-0.868***
	(0.025)
4.agecat	-1.322***

	(0.032)
5.agecat	-2.424***
	(0.036)
female	0.183***
	(0.015)
2.matr_	0.199***
	(0.019)
3.matr_	0.126***
	(0.029)
1.dip_	0.575***
	(0.019)
2.dip_	0.106***
	(0.024)
3.dip_	0.019
	(0.027)
4.dip_	0.398***
	(0.026)
1.catp_	-0.123***
	(0.035)
2.catp_	0.466***
	(0.038)
3.catp_	0.350***
	(0.026)
4.catp_	0.148***
	(0.023)
6.catp_	-0.054*
	(0.025)
7.catp_	1.648***
	(0.029)
8.catp_	-0.467***
	(0.028)
2.tenure_	-0.211***
	(0.019)
3.tenure_	-0.178***
	(0.021)
4.tenure_	-0.614***
	(0.029)
move	0.092***
	(0.016)
2008.minyear	-0.450***
	(0.017)
dur	6.149***
	(0.057)
dur2	-1.366***
	(0.014)
Constant	-7.090***
	(0.137)
Observations	186,093

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.9. TABLE A5. INDIVIDUAL FIXED EFFECTS MODELS OF VOTER REGISTRATION (EDP)

	(1)	(1)	(1)
VARIABLES	reg2	reg2	reg2
coeth_alt	0.020***	0.019+	0.033**
	(0.006)	(0.010)	(0.012)
1.orig5#c.coeth_alt	-0.119+	-0.376**	0.047
	(0.071)	(0.117)	(0.196)
2.orig5#c.coeth_alt	-0.267***	-0.130	-0.410***
	(0.048)	(0.104)	(0.109)
3.orig5#c.coeth_alt	0.086**	-0.008	0.142**
	(0.028)	(0.057)	(0.045)
4.orig5#c.coeth_alt	0.320**	0.117	0.266
	(0.108)	(0.157)	(0.235)
5.orig5#c.coeth_alt	0.104+	0.150	0.060
	(0.056)	(0.106)	(0.107)
tx_unemp_	-0.004	-0.034***	0.042***
	(0.005)	(0.010)	(0.009)
1.orig5#c.tx_unemp_	0.028	0.028	-0.010
	(0.029)	(0.047)	(0.070)
2.orig5#c.tx_unemp_	-0.022	-0.075+	-0.017
	(0.018)	(0.041)	(0.036)
3.orig5#c.tx_unemp_	-0.046**	0.002	-0.064*
	(0.016)	(0.027)	(0.028)
4.orig5#c.tx_unemp_	-0.075+	0.066	-0.002
	(0.045)	(0.069)	(0.118)
5.orig5#c.tx_unemp_	-0.021	-0.073	-0.020
	(0.022)	(0.054)	(0.038)
tx_youth_	-0.069***	-0.045***	-0.131***
	(0.004)	(0.008)	(0.010)
tx_mob_	0.020***	0.013*	0.023***
	(0.003)	(0.005)	(0.005)
2.city	-0.339***	-0.430***	0.097
	(0.069)	(0.122)	(0.161)
3.city	-0.423***	-0.514**	0.347
	(0.090)	(0.158)	(0.216)
4.city	-0.909***	-1.024***	-0.063
	(0.148)	(0.255)	(0.365)
2.agecat	2.739***	3.432***	1.763***
	(0.088)	(0.204)	(0.143)
3.agecat	4.995***	6.116***	3.412***
	(0.128)	(0.302)	(0.199)
4.agecat	7.051***	7.622***	5.584***
	(0.166)	(0.386)	(0.257)
5.agecat	8.397***	7.188***	7.364***
	(0.203)	(0.486)	(0.313)
2.matr_	1.668***	2.417***	1.243***
	(0.090)	(0.220)	(0.168)
3.matr_	2.075***	2.999***	1.767***
	(0.124)	(0.281)	(0.230)
1.dip_	0.634***	0.739***	0.592***
	(0.066)	(0.146)	(0.113)
2.dip_	-0.646***	-0.790***	-0.511***
	(0.082)	(0.177)	(0.144)
3.dip_	-0.238*	-0.375+	0.135
	(0.098)	(0.209)	(0.169)

4.dip_	1.462***	1.655***	1.097***
	(0.113)	(0.258)	(0.187)
1.catp_	0.425***	0.580*	0.234
	(0.110)	(0.252)	(0.177)
2.catp_	0.395**	0.668*	0.167
	(0.127)	(0.281)	(0.231)
3.catp_	0.395***	0.481**	0.407**
	(0.083)	(0.177)	(0.146)
4.catp_	0.141+	0.117	0.039
	(0.073)	(0.157)	(0.129)
6.catp_	-0.150*	-0.046	-0.200
	(0.073)	(0.153)	(0.133)
7.catp_	-3.150***	-4.019***	-2.172***
	(0.128)	(0.328)	(0.188)
8.catp_	-0.117	0.071	-0.477**
	(0.088)	(0.193)	(0.159)
2.tenure_	0.035	-0.546***	0.106
	(0.058)	(0.106)	(0.136)
3.tenure_	-0.146+	-0.495***	-0.229
	(0.075)	(0.139)	(0.172)
4.tenure_	-0.057	-0.534**	-0.076
	(0.100)	(0.193)	(0.196)
move	-0.472***		
	(0.040)		
Observations	61,441	24,642	21,367
Number of id	28,150	11,578	9,853

Standard errors in parentheses

*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.10. TABLE A6. VOTER REGISTRATION MODELS FROM TEO

VARIABLES	(1) regis	(1) regis	(1) regis
2.origrec	1.144***	1.094	
	(0.389)	(0.961)	
3.origrec	1.185***	1.369	0.269
	(0.412)	(0.980)	(0.166)
coeth1	0.013***		0.010
	(0.005)		(0.011)
iris_tx_chom15p	-0.016***		-0.018**
	(0.005)		(0.007)
1b.origrec#c.coeth1		0.013	
		(0.010)	
2.origrec#c.coeth1		0.020**	
		(0.009)	
3.origrec#c.coeth1		-0.050**	
		(0.024)	
1b.origrec#c.iris_tx_chom15p		-0.015	
		(0.011)	
2.origrec#c.iris_tx_chom15p		-0.019**	
		(0.008)	
2b.origrec#c.iris_tx_chom15p		-0.020*	
		(0.010)	
3.origrec#c.coeth1			-0.085***
			(0.032)
1.exclusion			-0.305**
			(0.143)
3.origrec#1.exclusion			-0.248
			(0.248)
1.exclusion#c.coeth1			0.015
			(0.012)
3.origrec#1.exclusion#c.coeth1			0.030
			(0.050)
iris_pct_emrec	-0.000	-0.001	-0.001
	(0.004)	(0.004)	(0.004)
iris_pct_m18	-0.008	-0.010	-0.014
	(0.007)	(0.007)	(0.009)
1.TUU_rec	-0.010	0.005	0.074
	(0.157)	(0.157)	(0.216)
2.TUU_rec	-0.033	0.006	0.032
	(0.144)	(0.146)	(0.190)
3.TUU_rec	-0.116	-0.089	-0.073
	(0.139)	(0.140)	(0.181)
4.TUU_rec	-0.200	-0.176	-0.191
	(0.136)	(0.137)	(0.179)
5.TUU_rec	0.048	0.057	0.025
	(0.207)	(0.212)	(0.250)

native	0.446***	0.446***	0.460***
	(0.089)	(0.089)	(0.097)
2.sexee	0.127**	0.128**	0.201***
	(0.059)	(0.059)	(0.070)
2.dip_rec	0.895***	0.896***	0.874***
	(0.080)	(0.080)	(0.093)
3.dip_rec	1.224***	1.222***	1.271***
	(0.088)	(0.088)	(0.105)
2.income5	0.004	0.005	0.025
	(0.088)	(0.088)	(0.102)
3.income5	0.261***	0.258***	0.246**
	(0.095)	(0.095)	(0.112)
4.income5	0.335***	0.338***	0.182
	(0.106)	(0.106)	(0.123)
5.income5	0.429***	0.429***	0.520***
	(0.121)	(0.121)	(0.150)
6.income5	0.044	0.048	0.099
	(0.109)	(0.109)	(0.126)
2.matr	0.170**	0.172**	0.091
	(0.080)	(0.080)	(0.094)
3.matr	0.118	0.111	-0.051
	(0.328)	(0.328)	(0.385)
4.matr	0.020	0.026	0.050
	(0.137)	(0.137)	(0.171)
2.agecat	0.222***	0.227***	0.179*
	(0.085)	(0.085)	(0.099)
3.agecat	0.689***	0.694***	0.680***
	(0.096)	(0.097)	(0.115)
4.agecat	0.999***	1.004***	1.126***
	(0.119)	(0.119)	(0.151)
5.agecat	1.617***	1.626***	1.832***
	(0.196)	(0.196)	(0.258)
2.tenure	-0.497***	-0.500***	-0.571***
	(0.088)	(0.088)	(0.105)
3.tenure	-0.122	-0.136	-0.123
	(0.084)	(0.084)	(0.096)
4.tenure	-0.114	-0.108	-0.204
	(0.140)	(0.140)	(0.168)
mob	0.094	0.091	0.119
	(0.070)	(0.070)	(0.082)
Constant	-0.277	-0.182	1.271***
	(0.562)	(1.044)	(0.471)
Observations	11,524	11,524	7,739

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

4.11. TABLE A7. LOGISTIC DISCRETE TIME MODEL PREDICTING VOTER REGISTRATION USING DISAGGREGATED ETHNROACIAL GROUPS (EDP)

VARIABLES	(1) reg2
coeth_alt_bis	0.001
	(0.001)
1.orig7	-0.390+
	(0.203)
2.orig7	-0.298
	(0.219)
3.orig7	-0.072
	(0.159)
4.orig7	-0.273+
	(0.147)
5.orig7	-0.484**
	(0.163)
6.orig7	-0.188
	(0.219)
7.orig7	-0.307+
	(0.182)
1.orig7#c.coeth_alt_bis	-0.083***
	(0.021)
2.orig7#c.coeth_alt_bis	0.072
	(0.078)
3.orig7#c.coeth_alt_bis	-0.044***
	(0.011)
4.orig7#c.coeth_alt_bis	0.018**
	(0.006)
5.orig7#c.coeth_alt_bis	0.045***
	(0.011)
6.orig7#c.coeth_alt_bis	-0.043+
	(0.026)
7.orig7#c.coeth_alt_bis	0.040+
	(0.022)
tx_unemp_	-0.016***
	(0.002)
1.orig7#c.tx_unemp_	0.017+
	(0.009)
2.orig7#c.tx_unemp_	0.013
	(0.011)
3.orig7#c.tx_unemp_	-0.003
	(0.005)
4.orig7#c.tx_unemp_	0.006
	(0.004)
5.orig7#c.tx_unemp_	0.009
	(0.005)

6.orig7#c.tx_unemp_	0.029**
	(0.010)
7.orig7#c.tx_unemp_	0.006
	(0.008)
tx_youth_	-0.006***
	(0.001)
tx_mob_	-0.002*
	(0.001)
2.city	-0.096***
	(0.020)
3.city	-0.190***
	(0.025)
4.city	-0.162**
	(0.055)
bornfr_	0.574***
	(0.027)
2.agecat	-0.358***
	(0.020)
3.agecat	-0.863***
	(0.025)
4.agecat	-1.331***
	(0.032)
5.agecat	-2.423***
	(0.036)
female	0.181***
	(0.015)
2.matr_	0.188***
	(0.019)
3.matr_	0.120***
	(0.029)
1.dip_	0.576***
	(0.019)
2.dip_	0.106***
	(0.024)
3.dip_	0.016
	(0.027)
4.dip_	0.397***
	(0.026)
1.catp_	-0.128***
	(0.035)
2.catp_	0.461***
	(0.037)
3.catp_	0.344***
	(0.026)
4.catp_	0.142***
	(0.023)
6.catp_	-0.054*

	(0.025)
7.catp_	1.651***
	(0.029)
8.catp_	-0.466***
	(0.028)
2.tenure_	-0.209***
	(0.019)
3.tenure_	-0.173***
	(0.021)
4.tenure_	-0.613***
	(0.029)
move	0.093***
	(0.016)
2008.minyear	-0.451***
	(0.017)
dur	6.156***
	(0.057)
dur2	-1.368***
	(0.014)
Constant	-7.296***
	(0.179)
Observations	188,416

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.12. TABLE A8. LOGISTIC DISCRETE TIME MODEL PREDICTING VOTER REGISTRATION CONTROLLING FOR THE 1993-1998 COHORT (EDP)

VARIABLES	(1) reg2
gen_natchange	-0.442***
	(0.018)
coeth_alt	0.001
	(0.001)
1.orig5	-0.372*
	(0.183)
2.orig5	-0.067
	(0.159)
3.orig5	-0.276+
	(0.148)
4.orig5	-0.331+
	(0.181)
5.orig5	-0.459**
	(0.158)
1.orig5#c.coeth_alt	-0.068***
	(0.019)
2.orig5#c.coeth_alt	-0.043***
	(0.011)
3.orig5#c.coeth_alt	0.019**
	(0.006)
4.orig5#c.coeth_alt	0.043*
	(0.022)
5.orig5#c.coeth_alt	0.035***
	(0.009)
tx_unemp_	-0.016***
	(0.002)
1.orig5#c.tx_unemp_	0.019**
	(0.007)
2.orig5#c.tx_unemp_	-0.004
	(0.005)
3.orig5#c.tx_unemp_	0.006
	(0.004)
4.orig5#c.tx_unemp_	0.006
	(0.008)
5.orig5#c.tx_unemp_	0.011*
	(0.005)
tx_youth_	-0.005***
	(0.001)
tx_mob_	-0.002*
	(0.001)
2.city	-0.095***
	(0.020)
3.city	-0.185***
	(0.025)
4.city	-0.165**
	(0.055)
bornfr_	0.581***
	(0.028)
2.agecat	-0.462***
	(0.020)

3.agecat	-1.052***
	(0.026)
4.agecat	-1.518***
	(0.033)
5.agecat	-2.601***
	(0.037)
female	0.175***
	(0.015)
2.matr_	0.181***
	(0.019)
3.matr_	0.104***
	(0.029)
1.dip_	0.580***
	(0.019)
2.dip_	0.136***
	(0.024)
3.dip_	0.102***
	(0.027)
4.dip_	0.442***
	(0.027)
1.catp_	-0.131***
	(0.035)
2.catp_	0.437***
	(0.038)
3.catp_	0.337***
	(0.026)
4.catp_	0.141***
	(0.024)
6.catp_	-0.056*
	(0.025)
7.catp_	1.632***
	(0.029)
8.catp_	-0.467***
	(0.028)
2.tenure_	-0.203***
	(0.019)
3.tenure_	-0.168***
	(0.021)
4.tenure_	-0.611***
	(0.029)
move	0.092***
	(0.016)
2008.minyear	-0.529***
	(0.018)
dur	6.268***
	(0.057)
dur2	-1.388***
	(0.014)
Constant	-7.269***
	(0.180)
Observations	188,416

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10

4.13. TABLE A9. LOGISTIC DISCRETE TIME MODEL PREDICTING VOTER REGISTRATION USING QUINTILES OF THE CO-ETHNIC SHARE SEPARATELY FOR EUROPEAN AND NON-EUROPEAN ORIGIN CITIZENS (EDP)

	(1)	(1)
VARIABLES	reg2	reg2
2.coeth5eur	-0.016	-0.028
	(0.098)	(0.086)
3.coeth5eur	0.082	0.283**
	(0.104)	(0.096)
4.coeth5eur	0.104	0.321**
	(0.111)	(0.111)
5.coeth5eur	-0.065	0.419**
	(0.118)	(0.137)
tx_unemp_	-0.024***	-0.022***
	(0.006)	(0.005)
tx_youth_	0.000	-0.004
	(0.006)	(0.005)
tx_mob_	-0.003	-0.002
	(0.004)	(0.003)
2.city	-0.179*	-0.053
	(0.085)	(0.098)
3.city	-0.269**	-0.149
	(0.104)	(0.112)
4.city	-0.138	-0.364+
	(0.205)	(0.187)
bornfr_	0.732***	-0.036
	(0.089)	(0.058)
2.agecat	-0.258**	-0.254***
	(0.095)	(0.077)
3.agecat	-0.605***	-0.825***
	(0.121)	(0.093)
4.agecat	-1.072***	-1.369***
	(0.161)	(0.111)
5.agecat	-2.210***	-2.545***
	(0.185)	(0.138)
female	0.046	0.220***
	(0.066)	(0.051)
2.matr_	0.070	0.156*
	(0.084)	(0.066)
3.matr_	0.016	0.075
	(0.142)	(0.110)
1.dip_	0.409***	0.320***
	(0.085)	(0.068)
2.dip_	0.126	-0.010
	(0.114)	(0.090)
3.dip_	-0.112	-0.409***
	(0.133)	(0.097)
4.dip_	0.468***	0.110

	(0.117)	(0.083)
1.catp_	-0.207	0.015
	(0.157)	(0.145)
2.catp_	0.596***	0.146
	(0.151)	(0.126)
3.catp_	0.345**	0.213*
	(0.110)	(0.100)
4.catp_	0.144	-0.006
	(0.104)	(0.093)
6.catp_	-0.130	-0.076
	(0.125)	(0.096)
7.catp_	2.447***	2.075***
	(0.136)	(0.116)
8.catp_	-0.305*	-0.326**
	(0.138)	(0.106)
2.tenure_	-0.179*	-0.175*
	(0.084)	(0.073)
3.tenure_	-0.091	-0.048
	(0.099)	(0.066)
4.tenure_	-0.389**	-0.811***
	(0.144)	(0.135)
move	0.288***	0.245***
	(0.068)	(0.053)
2008.minyear	-0.163+	-0.176*
	(0.093)	(0.072)
dur	7.734***	8.823***
	(0.304)	(0.246)
dur2	-1.627***	-1.846***
	(0.073)	(0.060)
Constant	-9.653***	-9.773***
	(0.455)	(0.365)
Observations	12,548	19,603

Robust standard errors in parentheses
*** p<0.001, ** p<0.01, * p<0.05, + p<0.10