**APPENDIX**

**Variables, Questions and Coding**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | | | **Question** | **Code** |
| ***Independent variables*** | | | | |
|  | Female | | What is your gender? | Female = 1; |
|  |  |  | Male = 0 |
|  | Visible minority | | What is your ethnic background? | Aboriginal, Northern Africa, Africa, South and Central America, Mexican, Caribbean, Asian, Middle Eastern, Others = 1; |
|  | Canada, USA, Europe, Eastern Europe = 0; |
|  | Mother's education | | What is the highest level of education that your mother has completed? | High school or less = 0; |
|  |  |  | Cegep or some university = 0.5; |
|  |  |  | University = 1 |
|  | Father's education | | What is the highest level of education that your father has completed? | High school or less = 0; |
|  |  |  | Cegep or some university = 0.5; |
|  |  |  | University = 1 |
|  | Underage | | In what year were you born? | 16-17 years old = 1 |
|  |  |  | 18-20 years old = 0 |
|  | Political Interest | | How interested would you say you are in politics and public issues? | Very interested = 1; |
|  |  |  | Somewhat interested = 0.67; |
|  |  |  | Somewhat uninterested = 0.33; |
|  |  |  | Not interested at all = 0 |
|  | Knowledge about institutions | |  |  |
|  |  | Responsibility over education | Which level of government has the responsibility for education? | Provincial government = 1;  Federal or municipal government, DK = 0 |
|  |  |  |
|  |  | Responsibility over water services | Which level of government has the responsibility for water services? | Municipal government = 1;  Federal or provincial government, DK = 0 |
|  |  |  |
|  |  | Number of Members of the National Assembly | How many representatives there are in the National Assembly of Quebec? | 125 = 1; |
|  |  |  | 75, 100, 150, DK = 0 |
|  | Political Figures | | What was the position of these public personalities in the past year?   * Rachel Notley * Carlos Leitao * Emmanuel Macron * Chrystis Freeland |  |
|  | Campaign Promises | | Can you associate each of these campaign promises to its party?   * Provide dental insurance for all * Lower the immigration threshold to 40,000 per year * Offer free public transportation for students and seniors * Establish a publicly-funded lunch service for all schoolchildren |  |
|  | Campaign slogans | | Can you associate each of these campaign slogans to its party?   * Now * Seriously * Popular * To make life easier for Quebecers * Doing it differently now |  |
|  | Internal efficacy | | Sometimes politics and government seem so complicated that a person like me can’t really understand what’s going on. | Strongly agree = 0; |
|  |  |  | Somewhat agree = 0.25; |
|  |  |  | Neither disagree nor agree = 0.5; |
|  |  |  | Somewhat disagree = 0.75; |
|  |  |  | Strongly disagree = 1 |
|  | Interacted with a candidate | | Have you done any of these activities in the past weeks: Spoke to a political candidate? | Yes = 1; |
|  |  |  | No = 0 |
|  | Watched leaders' debate | | Have you done any of these activities in the past weeks: Watched one of the leaders’ debates? | Yes = 1; |
|  |  |  | No = 0 |
|  | Attended a debate at school | | Have you done any of these activities in the past weeks: Attended a political debate at your school, cegep or university? | Yes = 1; |
|  |  |  | No = 0 |
|  | Discuss the election with… | | In the past weeks, have you talked about the provincial election with… | Yes, more than once = 2;  Yes, once = 1;  No, never = 0 |
|  |  | Professor |
|  |  | Friends |
|  |  | Family |
|  |  | Parents |
|  |  | Government basic needs | It is government’s responsibility to guarantee that basic needs are met for all. | Strongly agree = 1; Somewhat agree = 0.75;  Neither disagree or agree = 0.5;  Somewhat disagree = 0.25;  Strongly disagree = 0 |
|  |  | Government poverty | Without government action, there would be a lot more poverty in our society. | Strongly agree = 1; Somewhat agree = 0.75;  Neither disagree or agree = 0.5;  Somewhat disagree = 0.25;  Strongly disagree = 0 |
|  |  | Government quality of life | Some people say that governments should see to it that every person has a job and a good standard of living. Other people say that governments should just let each person get ahead on their own. Where would you place yourself on this scale, or haven’t you thought much about this? | Governments should see that every person has a job and a good standard of living = 1;  2 = 0.75;  3 = 0.5;  4 = 0.25;  Governments should let each person get ahead on his or her own = 0 |
|  |  | Immigrant integration | There are different views about those who come from outside Quebec, who often have their own customs, religion and traditions. Do you think it is best if such newcomers try to adapt and blend into the local culture? Or is it best if they stay different and add to the variety of customs and traditions in the locality? | Best if newcomers try to adapt and blend = 0;  Best if newcomers stay different and add to the variety of customs and traditions = 1 |
|  |  | Religious symbols | In your opinion, should we ban employees of the public sector in Quebec to wear visible religious symbols? | Yes = 0;  No = 1 |
|  |  | Amount of immigrants | There are too many immigrants in Quebec. | Strongly agree = 0; Somewhat agree = 0.25;  Neither disagree or agree = 0.5;  Somewhat disagree = 0.75;  Strongly disagree = 1 |
|  |  | Immigrants’ contribution | Immigrants make an important contribution to Quebec. | Strongly agree = 1; Somewhat agree = 0.75;  Neither disagree or agree = 0.5;  Somewhat disagree = 0.25;  Strongly disagree = 0 |
|  |  | Immigration speak French | Speaking French should be a requirement for immigration to Quebec. | Strongly agree = 0; Somewhat agree = 0.25;  Neither disagree or agree = 0.5;  Somewhat disagree = 0.75;  Strongly disagree = 1 |
|  |  | Like ethnocultural minorities | On a scale of 0 to 10, where 0 means you REALLY DISLIKE this group of people and 10 means you REALLY LIKE them, how do you feel about ethnocultural minorities? | Really like = 1;  […]  Really dislike = 0 |
|  |  | Like immigrants | On a scale of 0 to 10, where 0 means you REALLY DISLIKE this group of people and 10 means you REALLY LIKE them, how do you feel about immigrants? | Really like = 1;  […]  Really dislike = 0 |
|  |  | Like Muslims | On a scale of 0 to 10, where 0 means you REALLY DISLIKE this group of people and 10 means you REALLY LIKE them, how do you feel about Muslims? | Really like = 1;  […]  Really dislike = 0 |
| ***Dependent variables*** | | | | |
|  |  | Participation | When it comes to political participation, there are several possibilities. Using a scale of 0 to 5 (where 0 = not likely at all, 5 = very likely), which of the following activities would you be willing to undertake given the chance? | (0) Not likely at all = 0;  (1) = 0.2;  (2) = 0.4;  (3) = 0.6;  (4) = 0.8;  (5) Very likely = 1 |
|  |  | Referendum | Voting in referenda on public policy issues |
|  |  | Vote | Voting in elections |
|  |  |  |  |

**Summary of Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | | | **Code** | **Mean** | | **SD** | | | **N** | | |
| ***Independent Variables*** | | |  |  | |  | | |  | | |
|  | Female | | Female = 1; | 0.5788 | | 0.4942 | | | 463 | | |
|  |  |  | Male = 0 |  | |  | | |  | | |
|  | Visible minority | | Aboriginal, Northern Africa, Africa, South and Central America, Mexican, Caribbean, Asian, Middle Eastern, Others = 1; | 0.1656 | | 0.3721 | | | 459 | | |
|  |  |  | Canada, USA, Europe, Eastern Europe = 0; |  | |  | | |  | | |
|  | Mother's education | | High school or less = 0; | 0.4493 | | 0.3848 | | | 444 | | |
|  |  |  | Cegep or some university = 0.5; |  | |  | | |  | | |
|  |  |  | University = 1 |  | |  | | |  | | |
|  | Father's education | | High school or less = 0; | 0.4521 | | 0.3939 | | | 444 | | |
|  |  |  | Cegep or some university = 0.5; |  | |  | | |  | | |
|  |  |  | University = 1 |  | |  | | |  | | |
|  | Underage | | 16-17 years old = 1 | 0.5421 | | 0.4988 | | | 463 | | |
|  |  |  | 18-20 years old = 0 |  | |  | | |  | | |
|  | Political Interest | | Very interested = 1; | 0.5137 | | 0.2778 | | | 444 | | |
|  |  |  | Somewhat interested = 0.67; |  | |  | | |  | | |
|  |  |  | Somewhat uninterested = 0.33; |  | |  | | |  | | |
|  |  |  | Not interested at all = 0 |  | |  | | |  | | |
|  | Knowledge about institutions | | Sum of good answers | 3.104 | | 2.1668 | | | 463 | | |
|  |  | Responsibility over education | Provincial government = 1; | 0.6458 | | 0.4788 | | | 463 | | |
|  |  |  | Federal or municipal government, DK = 0 | | | |  | | |  | | |
|  |  | Responsibility over water services | Municipal government = 1; | | 0.5378 | | | 0.4991 | | | 463 | | |
|  |  |  | Federal or provincial government, DK = 0 | | | |  | | |  | | |
|  |  | Numbers of MNAs | 125 = 1; | | 0.4168 | | | 0.4936 | | | 463 | | |
|  |  |  | 75, 100, 150, DK = 0 | |  | | |  | | |  | | |
| Knowledge about political figures | | | Sum of good answers | | 1.503 | | | 1.3971 | | | 463 | | |
|  |  | Rachel Notley | Premier of Alberta = 1 | | 0.2095 | | | 0.4074 | | | 463 | | |
|  |  | Carlos Leitao | Quebec Minister of Finance = 1 | | 0.3369 | | | 0.4732 | | | 463 | | |
|  |  | Emmanuel Macron | President of France | | 0.6652 | | | 0.4724 | | | 463 | | |
|  |  | Chrystia Freeland | Foreign Affairs Minister = 1 | | 0.2916 | | | 0.45498 | | | 463 | | |
| Knowledge about campaign promises | | | Sum of good answers | | 1.415 | | | 1.2573 | | | 463 | | |
|  |  | Provide dental insurance for all | QS = 1 | | 0.4795 | | | 0.5001 | | | 463 | | |
|  |  | Lower the immigration threshold to 40,000 per year | CAQ = 1 | | 0.5551 | | | 0.4974 | | | 463 | | |
|  |  | Offer free public transportation for students and seniors  Establish a publicly-funded lunch service for all schoolchildren | PLQ = 1    PQ = 1 | | 0.1641    0.216 | | | 0.3708    0.4119 | | | 463    463 | | |
| Knowledge about slogans | | | Sum of good answers | | 1.22 | | | 1.5815 | | | 463 | | |
|  |  | Now  Doing it differently now | CAQ = 1  NPD Québec = 1 | | 0.2851  0.1188 | | | 0.4519  0.3239 | | | 463  463 | | |
|  |  | Seriously | PQ = 1 | | 0.3089 | | | 0.4625 | | | 463 | | |
|  |  | Popular | QS = 1 | | 0.2289 | | | 0.4206 | | | 463 | | |
|  |  | To make life easier for Quebecers | PLQ = 1 | | 0.2786 | | | 0.4488 | | | 463 | | |
|  | Internal efficacy | | Strongly agree = 0; | | 0.3892 | | | 0.2986 | | | 415 | | |
|  |  |  | Somewhat agree = 0.25; | |  | | |  | | |  | | |
|  |  |  | Neither disagree nor agree = 0.5; | |  | | |  | | |  | | |
|  |  |  | Somewhat disagree = 0.75; | |  | | |  | | |  | | |
|  |  |  | Strongly disagree = 1 | |  | | |  | | |  | | |
|  | Interacted with a candidate | | Yes = 1; | | 0.13 | | | 0.3366 | | | 454 | | |
|  |  |  | No = 0 | |  | | |  | | |  | | |
|  | Watched leaders' debate | | Yes = 1; | | 0.4229 | | | 0.4946 | | | 454 | | |
|  |  |  | No = 0 | |  | | |  | | |  | | |
|  | Attended a debate at school | | Yes = 1; | | 0.1667 | | | 0.3732 | | | 454 | | |
|  |  |  | No = 0 | |  | | |  | | |  | | |
|  | Discuss the election with… | |  | |  | | |  | | |  | | |
|  |  | Professor | Yes, more than once = 2; | | 0.9612 | | | 0.8277 | | | 387 | | |
|  |  | Friends | Yes, once = 1; | | 1.083 | | | 0.8104 | | | 456 | | |
|  |  | Family | No, never = 0 | | 0.7802 | | | 0.7881 | | | 455 | | |
|  |  | Parents |  | | 1.314 | | | 0.7539 | | | 455 | | |
| ***Dependent Variables*** | | |  | |  | | |  | | |  | | |
|  | Participation | |  | |  | | |  | | |  | | |
|  |  |  | (0) Not likely at all = 0; | |  | | |  | | |  | | |
|  |  | Referendum | (1) = 0.2; | | 0.7583 | | | 0.311 | | | 436 | | |
|  |  | Vote | (2) = 0.4; | | 0.8617 | | | 0.2505 | | | 447 | | |
|  |  |  | (3) = 0.6; | |  | | |  | | |  | | |
|  |  |  | (4) = 0.8; | |  | | |  | | |  | | |
|  |  |  | (5) Very likely = 1 | |  | | |  | | |  | | |

**Distribution of the Dependent Variables**

|  |  |  |
| --- | --- | --- |
| **Dependent variable** | **Code** | **Percent** |
| **Election** | 0 | 3.4 |
| 0.2 | 2.2 |
| 0.4 | 3.6 |
| 0.6 | 9.8 |
| 0.8 | 13.0 |
| 1 | 68.0 |
| **Referendum** | 0 | 7.3 |
| 0.2 | 3.0 |
| 0.4 | 9.6 |
| 0.6 | 13.3 |
| 0.8 | 16.7 |
| 1 | 50.0 |
| **Interest** | 0 | 10.4 |
| 0.33 | 36.7 |
| 0.67 | 41.4 |
| 1 | 11.5 |
| **Efficacy** | 0 | 20.7 |
| 0.25 | 33.3 |
| 0.5 | 23.4 |
| 0.75 | 14.9 |
| 1 | 7.7 |
| **Knowledge** | 0 | 13.0 |
| 1 | 14.5 |
| 2 | 16.6 |
| 3 | 16.0 |
| 4 | 12.7 |
| 5 | 8.9 |
| 6 | 9.1 |
| 7 | 9.3 |

**Table 2 Redone with Ordered Logit Regressions**

|  |  |  |
| --- | --- | --- |
|  | **Election** | **Referendum** |
| Female | 0.57\* | 0.12 |
|  | (0.24) | (0.21) |
| Visible minority | -0.46 | -0.45 |
|  | (0.33) | (0.30) |
| Education (mother) | 0.19 | 0.79\* |
|  | (0.36) | (0.31) |
| Education (father) | -0.08 | 0.69\* |
|  | (0.34) | (0.30) |
| Underage | 0.49\* | 0.13 |
|  | (0.25) | (0.21) |
| Political interest | 2.09\*\*\* | 1.75\*\*\* |
|  | (0.47) | (0.42) |
| Internal efficacy | 0.10 | 0.58 |
|  | (0.43) | (0.37) |
| Factual knowledge | 0.24\*\*\* | 0.17\*\* |
|  | (0.07) | (0.05) |
| AIC | 709.55 | 973.28 |
| BIC | 760.74 | 1024.40 |
| Log Likelihood | -341.77 | -473.64 |
| Deviance | 683.55 | 947.28 |
| Num. obs. | 379 | 377 |
| \*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05 | | |

**Table 4 Redone with Ordered Logit Regressions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Election** | | **Referendum** | |
| (Intercept + SES | (not shown) | | (not shown) | |
| + individual resources) |  |  |  |  |
| Underage | 0.12 | 0.10 | -0.12 | 0.08 |
|  | (0.29) | (0.58) | (0.25) | (0.53) |
| Interacted with candidate | -0.37 | -0.97 | 0.31 | -0.54 |
|  | (0.45) | (0.59) | (0.38) | (0.52) |
| Watched leaders debate | 0.39 | 0.32 | 0.36 | 0.21 |
|  | (0.31) | (0.48) | (0.25) | (0.42) |
| Attended debate at school | 0.07 | 0.53 | -0.10 | 0.46 |
|  | (0.47) | (0.63) | (0.36) | (0.54) |
| Professor (election discussion) | 0.06 | -0.04 | -0.12 | 0.09 |
|  | (0.18) | (0.28) | (0.15) | (0.25) |
| Friends (election discussion) | 0.64\*\* | 0.92\*\* | 0.56\*\*\* | 0.73\*\* |
|  | (0.20) | (0.31) | (0.17) | (0.26) |
| Family (election discussion) | 0.09 | -0.15 | -0.05 | 0.08 |
|  | (0.22) | (0.32) | (0.17) | (0.28) |
| Parents (election discussion) | 0.39 | 0.43 | 0.27 | 0.09 |
|  | (0.22) | (0.31) | (0.19) | (0.29) |
| Underage\*interacted with candidate |  | 1.60 |  | 1.79\* |
|  |  | (0.99) |  | (0.79) |
| Underage\*watched leaders debate |  | 0.15 |  | 0.16 |
|  |  | (0.63) |  | (0.53) |
| Underage\*debate at school |  | -1.08 |  | -1.08 |
|  |  | (0.96) |  | (0.74) |
| Underage\*professor (election discussion) |  | 0.14 |  | -0.33 |
|  |  | (0.37) |  | (0.32) |
|  |  |  |  |  |
| Underage\*friends (election discussion) |  | -0.47 |  | -0.31 |
|  |  | (0.40) |  | (0.34) |
| Underage\*family (election discussion) |  | 0.45 |  | -0.19 |
|  |  | (0.44) |  | (0.35) |
| Underage\*parents (election discussion) |  | -0.07 |  | 0.31 |
|  |  | (0.43) |  | (0.38) |
| AIC | 589.13 | 598.33 | 816.99 | 821.23 |
| BIC | 664.63 | 700.25 | 892.29 | 922.89 |
| Log Likelihood | -274.57 | -272.17 | -388.49 | -383.62 |
| Deviance | 549.13 | 544.33 | 776.99 | 767.23 |
| Num. obs. | 322 | 322 | 319 | 319 |
| \*\*\*p < 0.001, \*\*p < 0.01, \*p < 0.05 | | | | |