

# Online Appendix for

Who should vote? Membership and Claims to Expatriate Political Participation in the Nigerian Diaspora

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## A Multiple Imputation and Descriptive Statistics

We discuss our covariates of interest in the manuscript itself. Here we discuss our control, extended controls, and additional imputation variables in more detail.

### Controls

Our main control variables include five demographic variables. These include

1. Age — measured in years.
2. Female — 1 if the respondent says they are female, 0 if they say males.
3. Ethnicity — We coarsened our fine-grained ethnicity questions to four categories (Igbo, Hausa, Yoruba, and Other) because of the lack of observations in many ethnic categories.
4. Religion — We coarsened our fine-grained religion question into four categories (Muslim, Christian, Not religious, and Other).

### Extended Controls

These are additional control variables used in some of the regression specifications shown in Appendix B. These characteristics are more mutable.

1. Party — ACP, PDP, None, Other.
2. Subjective well-being — Measured on a 5-point Likert scale for -2 (very dissatisfied) to 2 (very satisfied). It is treated as a continuous variable in the regression specifications.
3. Income Change - Measured on a 5-point Likert scale for -2 (A lot less) to 2 (A lot more). It is treated as a continuous variable in the regression specifications.

### Other variables used in imputation

We use two additional variables in the multiple imputation process

1. Total missing — the total number of data points missing during the imputation
4. Relative income — Measured on a 5-point Likert scale for -2 (Far below average) to 2 (Far above average). It is treated as a continuous variable in the regression specifications (only present in the home sample).

### Multiple Imputation Procedure

In order to ensure convergence in our MI algorithm, respondents must have finished 90 percent of the study and must have answered at least 50 percent of the questions (more than 50% unit response). Those who did not meet these criteria were excluded from the sample.

We use multiple imputation by chained equations (MICE) to multiply impute our data (van Buuren and Groothuis-Oudshoorn 2011). Because we have different questions in the home and abroad samples, we multiply impute the “abroad” and the “at home” sample separately. For the abroad sample, we include country-fixed effects during the imputation process.

Appendix Table 1: Multiply Imputed Descriptive Statistics

| Variable                     | Cote d'Ivoire | Cameroon | Canada | Germany | Ghana | Italy | Malaysia | South Africa | UAE  | UK   | US   | Abroad Sample Average | Abroad Country Average | Nigeria |
|------------------------------|---------------|----------|--------|---------|-------|-------|----------|--------------|------|------|------|-----------------------|------------------------|---------|
| Age                          | 31            | 29       | 39     | 35      | 32    | 33    | 36       | 37           | 33   | 38   | 37   | 34                    | 35                     | 40      |
| Female                       | 0.19          | 0.27     | 0.50   | 0.35    | 0.26  | 0.34  | 0.22     | 0.32         | 0.23 | 0.46 | 0.53 | 0.33                  | 0.34                   | 0.31    |
| Ethnicity - Hausa            | 0.03          | 0.11     | 0.02   | 0.02    | 0.05  | 0.03  | 0.19     | 0.02         | 0.02 | 0.03 | 0.02 | 0.05                  | 0.04                   | 0.10    |
| Ethnicity - Igbo             | 0.27          | 0.45     | 0.22   | 0.28    | 0.40  | 0.24  | 0.33     | 0.31         | 0.27 | 0.16 | 0.25 | 0.29                  | 0.28                   | 0.22    |
| Ethnicity - Yoruba           | 0.54          | 0.11     | 0.55   | 0.41    | 0.32  | 0.20  | 0.33     | 0.50         | 0.55 | 0.61 | 0.57 | 0.43                  | 0.45                   | 0.31    |
| Ethnicity - Other            | 0.16          | 0.33     | 0.21   | 0.30    | 0.23  | 0.53  | 0.15     | 0.17         | 0.16 | 0.21 | 0.16 | 0.24                  | 0.23                   | 0.38    |
| Education - Low              | 0.10          | 0.09     | 0.00   | 0.03    | 0.03  | 0.05  | 0.00     | 0.03         | 0.00 | 0.00 | 0.00 | 0.03                  | 0.03                   | 0.00    |
| Education - Medium           | 0.41          | 0.37     | 0.02   | 0.20    | 0.35  | 0.43  | 0.19     | 0.21         | 0.19 | 0.02 | 0.02 | 0.22                  | 0.21                   | 0.10    |
| Education - High             | 0.49          | 0.54     | 0.98   | 0.77    | 0.62  | 0.53  | 0.81     | 0.76         | 0.81 | 0.98 | 0.98 | 0.75                  | 0.76                   | 0.90    |
| Religion - Christian         | 0.60          | 0.84     | 0.88   | 0.83    | 0.83  | 0.84  | 0.59     | 0.84         | 0.75 | 0.86 | 0.84 | 0.79                  | 0.81                   | 0.80    |
| Religion - Muslim            | 0.35          | 0.13     | 0.06   | 0.10    | 0.11  | 0.07  | 0.35     | 0.10         | 0.20 | 0.10 | 0.08 | 0.15                  | 0.13                   | 0.16    |
| Religion - Not religious     | 0.04          | 0.03     | 0.05   | 0.07    | 0.04  | 0.07  | 0.03     | 0.04         | 0.02 | 0.03 | 0.06 | 0.04                  | 0.04                   | 0.04    |
| Religion - Other             | 0.01          | 0.01     | 0.02   | 0.00    | 0.02  | 0.02  | 0.03     | 0.02         | 0.02 | 0.01 | 0.03 | 0.02                  | 0.02                   | 0.01    |
| Party - APC                  | 0.20          | 0.20     | 0.08   | 0.08    | 0.15  | 0.09  | 0.20     | 0.16         | 0.13 | 0.13 | 0.07 | 0.14                  | 0.13                   | 0.17    |
| Party - PDP                  | 0.26          | 0.33     | 0.12   | 0.20    | 0.29  | 0.17  | 0.22     | 0.20         | 0.19 | 0.12 | 0.11 | 0.20                  | 0.20                   | 0.27    |
| Party - None                 | 0.46          | 0.40     | 0.74   | 0.64    | 0.53  | 0.64  | 0.52     | 0.57         | 0.58 | 0.71 | 0.77 | 0.60                  | 0.60                   | 0.52    |
| Party - Other                | 0.08          | 0.08     | 0.06   | 0.08    | 0.03  | 0.10  | 0.07     | 0.07         | 0.10 | 0.04 | 0.04 | 0.06                  | 0.07                   | 0.05    |
| Subjective Well-Being (-2-2) | 0.65          | 0.67     | 0.98   | 0.74    | 0.44  | 0.76  | 0.96     | 0.41         | 0.33 | 0.94 | 0.97 | 0.71                  | 0.68                   | -0.01   |
| Income Change (-2-2)         | -0.02         | -0.10    | 0.54   | 0.12    | -0.14 | 0.00  | 0.13     | 0.07         | 0.03 | 0.42 | 0.46 | 0.14                  | 0.15                   | -0.09   |

Note: See additional information on coding above.

Appendix Table 2: Multiply Imputed Covariates of Interest for Abroad Samples

| Variable                      | Cote d'Ivoire | Cameroon | Canada | Germany | Ghana | Italy | Malaysia | South Africa | UAE  | UK   | US   | Abroad Country Average | Abroad Sample Average |
|-------------------------------|---------------|----------|--------|---------|-------|-------|----------|--------------|------|------|------|------------------------|-----------------------|
| Time abroad < 5 yrs           | 0.3           | 0.26     | 0.43   | 0.42    | 0.43  | 0.20  | 0.42     | 0.17         | 0.67 | 0.59 | 0.29 | 0.39                   | 0.39                  |
| Time abroad - 5- 15 yrs       | 0.3           | 0.35     | 0.43   | 0.45    | 0.44  | 0.63  | 0.51     | 0.62         | 0.31 | 0.18 | 0.44 | 0.41                   | 0.43                  |
| Time abroad - 15+             | 0.3           | 0.39     | 0.14   | 0.13    | 0.13  | 0.17  | 0.07     | 0.20         | 0.01 | 0.23 | 0.26 | 0.19                   | 0.19                  |
| Family Nigeria - No           | 0.3           | 0.34     | 0.20   | 0.16    | 0.19  | 0.17  | 0.08     | 0.18         | 0.04 | 0.15 | 0.29 | 0.20                   | 0.19                  |
| Family Nigeria - Unclear      | 0.1           | 0.25     | 0.02   | 0.08    | 0.10  | 0.09  | 0.08     | 0.07         | 0.04 | 0.01 | 0.02 | 0.08                   | 0.08                  |
| Family Nigeria - Yes          | 0.5           | 0.42     | 0.79   | 0.76    | 0.72  | 0.74  | 0.84     | 0.75         | 0.91 | 0.84 | 0.69 | 0.72                   | 0.72                  |
| Send Money                    | 0.7           | 0.54     | 0.86   | 0.76    | 0.71  | 0.85  | 0.63     | 0.82         | 0.93 | 0.85 | 0.82 | 0.79                   | 0.77                  |
| Foreign Citiz. - No           | 0.7           | 0.71     | 0.17   | 0.27    | 0.72  | 0.41  | 0.84     | 0.72         | 0.89 | 0.27 | 0.23 | 0.53                   | 0.54                  |
| Foreign Citiz. - Will apply   | 0.2           | 0.14     | 0.55   | 0.64    | 0.22  | 0.54  | 0.16     | 0.21         | 0.10 | 0.56 | 0.45 | 0.34                   | 0.35                  |
| Foreign Citiz. - Yes          | 0.0           | 0.15     | 0.28   | 0.09    | 0.06  | 0.05  | 0.00     | 0.07         | 0.01 | 0.17 | 0.32 | 0.13                   | 0.11                  |
| Free Say (0-3)                | 1.3           | 1.64     | 1.27   | 1.12    | 1.29  | 1.18  | 1.62     | 1.17         | 1.46 | 1.19 | 1.26 | 1.31                   | 1.32                  |
| Demo qual - Not               | 0.1           | 0.08     | 0.30   | 0.34    | 0.19  | 0.22  | 0.21     | 0.29         | 0.23 | 0.36 | 0.34 | 0.25                   | 0.24                  |
| Demo qual - Unsatisfied       | 0.5           | 0.51     | 0.68   | 0.61    | 0.70  | 0.73  | 0.74     | 0.60         | 0.71 | 0.60 | 0.62 | 0.64                   | 0.64                  |
| Demo qual - Satisfied         | 0.3           | 0.42     | 0.02   | 0.05    | 0.11  | 0.05  | 0.05     | 0.11         | 0.07 | 0.05 | 0.04 | 0.12                   | 0.12                  |
| Interest Politics (-2-2)      | 0.3           | 0.52     | 0.62   | 0.38    | 0.34  | 0.28  | 0.62     | 0.46         | 0.54 | 0.82 | 0.78 | 0.53                   | 0.52                  |
| Migrants belong nation (-2-2) | 1.1           | 1.33     | 1.38   | 1.28    | 1.30  | 1.21  | 1.38     | 1.29         | 1.44 | 1.42 | 1.39 | 1.33                   | 1.33                  |
| Know Year                     | 0.5           | 0.53     | 0.76   | 0.72    | 0.68  | 0.66  | 0.73     | 0.54         | 0.73 | 0.74 | 0.73 | 0.66                   | 0.67                  |
| Know Year - No                | 0.3           | 0.31     | 0.22   | 0.24    | 0.26  | 0.27  | 0.23     | 0.36         | 0.22 | 0.23 | 0.23 | 0.27                   | 0.27                  |
| Know Year - Skipped           | 0.1           | 0.16     | 0.02   | 0.04    | 0.07  | 0.07  | 0.05     | 0.10         | 0.05 | 0.03 | 0.03 | 0.07                   | 0.07                  |
| Know Mth                      | 0.2           | 0.34     | 0.34   | 0.43    | 0.27  | 0.37  | 0.48     | 0.31         | 0.41 | 0.45 | 0.36 | 0.36                   | 0.37                  |
| Know Mth -No                  | 0.4           | 0.39     | 0.53   | 0.39    | 0.48  | 0.39  | 0.35     | 0.47         | 0.45 | 0.42 | 0.49 | 0.45                   | 0.44                  |
| Know Mth -Skipped             | 0.2           | 0.27     | 0.13   | 0.18    | 0.25  | 0.24  | 0.17     | 0.22         | 0.14 | 0.12 | 0.16 | 0.19                   | 0.19                  |

Note: See additional information on coding above.

*Appendix Table 3: Multiply Imputed Covariates of Interest for Nigerian (At Home) Sample*

| Variable                        | Nigeria |
|---------------------------------|---------|
| Considered Moving - No          | 0.13    |
| Considered Moving - Some        | 0.38    |
| Considered Moving - Yes         | 0.49    |
| Immediate Fam. Abroad - No      | 0.86    |
| Immediate Fam. Abroad - Unclear | 0.07    |
| Immediate Fam. Abroad - Yes     | 0.07    |
| Family Abroad                   | 0.36    |
| Receive Money                   | 0.13    |
| Free Say (0-3)                  | 1.36    |
| Demo qual - Not                 | 0.21    |
| Demo qual - Unsatisfied         | 0.71    |
| Demo qual - Satisfied           | 0.08    |
| Interest Politics (-2-2)        | 0.59    |
| Migrants belong nation (-2-2)   | 1.40    |
| Know Year                       | 0.83    |
| Know Year - No                  | 0.16    |
| Know Year - Skipped             | <.01    |
| Know Mth                        | 0.45    |
| Know Mth -No                    | 0.47    |
| Know Mth -Skipped               | 0.07    |

*Note: See additional information on coding above.*

## B Regression Tables and Specifications

For each of our three binary outcomes, for the pooled abroad samples, we run a regression of the form:

$$\text{logit}(Y_i) = \alpha + \mathbf{A}_i' \boldsymbol{\beta}_A + \mathbf{C}_i' \boldsymbol{\beta}_C + \mathbf{S}_i' \boldsymbol{\beta}_S + \mathbf{P}_i' \boldsymbol{\beta}_P + \mathbf{Z}_i' \boldsymbol{\gamma} + \delta_c$$

In this model,  $\mathbf{A}$  is the vector of covariates related to “Absence,”  $\mathbf{C}$  is the vector of covariates related to “Connections,”  $\mathbf{S}$  is the vector of covariates related to “Citizenship,” and  $\mathbf{P}$  is the vector of covariates related to “Politics;” all of these vectors have associated  $\boldsymbol{\beta}$  coefficients.  $\mathbf{Z}$  is our vector of controls or extended controls, depending on the model, and  $\delta_c$  are our country fixed effects. For the Home models, we drop the country fixed effects.

Appendix Table 4: Multiply Imputed Logistic Regressions on Abroad Samples

|                                                     | Fed 1                    | Fed 2                   | Fed 3                    | Loc 1                   | Local 2                | Local 3                  | Run 1                  | Run 2                  | Run 3                   |
|-----------------------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|------------------------|--------------------------|------------------------|------------------------|-------------------------|
| ABSENCE: Ref (< 5 years) Abroad: 5 to 15 years      | -0.05<br>(0.10)          | -0.03<br>(0.10)         | -0.08<br>(0.09)          | -0.04<br>(0.09)         | -0.03<br>(0.09)        | -0.07<br>(0.09)          | 0.19*<br>(0.08)        | 0.22*<br>(0.08)        | 0.17*<br>(0.08)         |
| — Abroad: More than 15 years                        | -0.01<br>(0.14)          | 0.03<br>(0.14)          | -0.02<br>(0.13)          | -0.20<br>(0.13)         | -0.17<br>(0.13)        | -0.20+<br>(0.12)         | 0.03<br>(0.13)         | 0.08<br>(0.13)         | 0.05<br>(0.12)          |
| CONNECTIONS: Send Money                             | <b>0.36***</b><br>(0.10) | <b>0.32**</b><br>(0.10) | <b>0.42***</b><br>(0.10) | <b>0.25**</b><br>(0.09) | <b>0.19*</b><br>(0.10) | <b>0.31***</b><br>(0.09) | <b>0.23*</b><br>(0.09) | <b>0.19*</b><br>(0.09) | <b>0.27**</b><br>(0.09) |
| Ref (No): Unclear if Fam. in Nigeria                | -0.22<br>(0.16)          | -0.24<br>(0.17)         | -0.33*<br>(0.15)         | -0.19<br>(0.16)         | -0.20<br>(0.16)        | -0.27+<br>(0.16)         | 0.32*<br>(0.16)        | 0.28+<br>(0.16)        | 0.28+<br>(0.15)         |
| — Fam. in Nigeria                                   | 0.20+<br>(0.11)          | 0.16<br>(0.11)          | 0.24*<br>(0.11)          | 0.06<br>(0.10)          | 0.02<br>(0.10)         | 0.10<br>(0.10)           | 0.08<br>(0.10)         | 0.04<br>(0.10)         | 0.10<br>(0.09)          |
| Born in Nigeria                                     | 0.09<br>(0.15)           | 0.06<br>(0.15)          | 0.19<br>(0.14)           | 0.15<br>(0.13)          | 0.14<br>(0.14)         | 0.22<br>(0.13)           | 0.06<br>(0.13)         | 0.04<br>(0.13)         | 0.07<br>(0.13)          |
| CTZN.: Ref(No) Fgn: Citizen                         | -0.20<br>(0.14)          | -0.10<br>(0.15)         | -0.33*<br>(0.14)         | -0.14<br>(0.13)         | -0.07<br>(0.13)        | -0.25*<br>(0.13)         | 0.12<br>(0.12)         | 0.18<br>(0.13)         | 0.03<br>(0.12)          |
| — Fgn: Will apply                                   | -0.12<br>(0.10)          | -0.08<br>(0.10)         | -0.19+<br>(0.10)         | -0.04<br>(0.09)         | -0.02<br>(0.10)        | -0.10<br>(0.09)          | -0.03<br>(0.09)        | -0.02<br>(0.09)        | -0.07<br>(0.08)         |
| POLITICS: Freedom of Speech                         | 0.00<br>(0.05)           | 0.01<br>(0.05)          | 0.05<br>(0.05)           | -0.06<br>(0.04)         | -0.06<br>(0.04)        | -0.02<br>(0.04)          | -0.08*<br>(0.04)       | -0.08*<br>(0.04)       | -0.04<br>(0.04)         |
| Ref (Not a democracy) Dem: Unsatisfied w/ Democracy | -0.14<br>(0.10)          | -0.17+<br>(0.10)        | -0.05<br>(0.10)          | -0.15<br>(0.09)         | -0.17+<br>(0.09)       | -0.08<br>(0.09)          | -0.16+<br>(0.09)       | -0.19*<br>(0.09)       | -0.12<br>(0.08)         |
| — Dem: Satisfied w/ Democracy                       | -0.31+<br>(0.16)         | -0.35*<br>(0.16)        | -0.19<br>(0.16)          | -0.17<br>(0.15)         | -0.19<br>(0.15)        | -0.07<br>(0.14)          | 0.01<br>(0.14)         | -0.07<br>(0.14)        | 0.11<br>(0.14)          |
| Ref(Correct) Know Yr: Skipped.                      | -0.73***<br>(0.20)       | -0.64**<br>(0.20)       |                          | -0.51*<br>(0.20)        | -0.43*<br>(0.19)       |                          | 0.03<br>(0.17)         | 0.10<br>(0.18)         |                         |
| — Know Yr: Incorrect                                | -0.16<br>(0.10)          | -0.16<br>(0.10)         |                          | -0.07<br>(0.09)         | -0.07<br>(0.09)        |                          | 0.12<br>(0.08)         | 0.12<br>(0.09)         |                         |
| Ref(Correct) Know Mth: Skipped.                     | -0.02<br>(0.14)          | -0.03<br>(0.14)         |                          | -0.04<br>(0.13)         | -0.04<br>(0.13)        |                          | -0.16<br>(0.12)        | -0.16<br>(0.12)        |                         |
| — Know Mth: Incorrect                               | -0.22*<br>(0.10)         | -0.18+<br>(0.10)        |                          | -0.21*<br>(0.09)        | -0.17+<br>(0.09)       |                          | -0.03<br>(0.08)        | 0.00<br>(0.08)         |                         |
| Interest in Politics                                | 0.34***<br>(0.03)        | 0.28***<br>(0.03)       |                          | 0.30***<br>(0.03)       | 0.24***<br>(0.03)      |                          | 0.25***<br>(0.03)      | 0.19***<br>(0.03)      |                         |
| Mig. Help Nigeria                                   |                          | 0.40***<br>(0.05)       |                          |                         | 0.36***<br>(0.05)      |                          |                        | 0.23***<br>(0.04)      |                         |
| Controls                                            | YES                      | YES                     | YES                      | YES                     | YES                    | YES                      | YES                    | YES                    | YES                     |
| Extended Controls                                   | NO                       | YES                     | YES                      | NO                      | YES                    | YES                      | NO                     | YES                    | YES                     |
| Country FE                                          | YES                      | YES                     | YES                      | YES                     | YES                    | YES                      | YES                    | YES                    | YES                     |
| Num.Obs.                                            | 3870                     | 3870                    | 3870                     | 3870                    | 3870                   | 3870                     | 3870                   | 3870                   | 3870                    |
| Num.Imp.                                            | 5                        | 5                       | 5                        | 5                       | 5                      | 5                        | 5                      | 5                      | 5                       |

+ p < 0.1, \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001

All models are logistic regressions and coefficients are presented as unadjusted log-odds ratios. Model 2 is the main specification presented in the manuscript.

Appendix Table 5 Multiple Imputed Logistic Regressions on Home Sample

|                                         | Fed 1   | Fed 2   | Fed 3  | Loc 1   | Loc 2   | Loc3 3 | Run 1    | Run 2    | Run 3    |
|-----------------------------------------|---------|---------|--------|---------|---------|--------|----------|----------|----------|
| ABSENCE: Ref (No): Cons Move: Move Some | 0.31    | 0.29    | 0.36   | 0.19    | 0.18    | 0.21   | 0.26     | 0.28     | 0.28     |
|                                         | (0.23)  | (0.24)  | (0.23) | (0.19)  | (0.20)  | (0.19) | (0.18)   | (0.18)   | (0.18)   |
| — Move: Yes                             | 0.52*   | 0.45+   | 0.51*  | 0.43*   | 0.37+   | 0.43*  | 0.55**   | 0.50**   | 0.55**   |
|                                         | (0.23)  | (0.24)  | (0.23) | (0.20)  | (0.21)  | (0.20) | (0.18)   | (0.19)   | (0.18)   |
| CONNECTIONS: Rec. Money                 | 0.06    | 0.06    | 0.07   | 0.21    | 0.23    | 0.22   | -0.41*   | -0.43*   | -0.40*   |
|                                         | (0.28)  | (0.28)  | (0.28) | (0.24)  | (0.24)  | (0.23) | (0.20)   | (0.20)   | (0.20)   |
| Any Fam Abroad 3 yrs                    | -0.07   | -0.03   | -0.04  | 0.07    | 0.12    | 0.07   | 0.15     | 0.20     | 0.15     |
|                                         | (0.19)  | (0.19)  | (0.18) | (0.15)  | (0.16)  | (0.15) | (0.14)   | (0.14)   | (0.14)   |
| POLITICS: Freedom of Speech             | -0.21*  | -0.20*  | -0.16+ | -0.21** | -0.22** | -0.18* | -0.27*** | -0.27*** | -0.24*** |
|                                         | (0.09)  | (0.10)  | (0.09) | (0.08)  | (0.08)  | (0.08) | (0.07)   | (0.07)   | (0.07)   |
| Ref (Not a dem) Dem: Unsatisfied w/ Dem | -0.03   | 0.05    | 0.07   | -0.23   | -0.20   | -0.20  | 0.13     | 0.18     | 0.15     |
|                                         | (0.21)  | (0.22)  | (0.20) | (0.18)  | (0.18)  | (0.18) | (0.15)   | (0.15)   | (0.15)   |
| — Dem: Satisfied w/ Democracy           | 0.77*   | 0.82*   | 0.91*  | -0.02   | -0.07   | 0.03   | 0.84**   | 0.84**   | 0.86**   |
|                                         | (0.39)  | (0.41)  | (0.39) | (0.29)  | (0.30)  | (0.29) | (0.27)   | (0.28)   | (0.27)   |
| Ref(Correct) Know Yr: Skipped.          | 0.16    | 0.18    |        | 0.87    | 0.94    |        | 1.15     | 1.12     |          |
|                                         | (0.85)  | (0.84)  |        | (1.05)  | (1.06)  |        | (0.83)   | (0.82)   |          |
| — Know Yr: Incorrect                    | -0.02   | 0.07    |        | 0.03    | 0.11    |        | 0.05     | 0.06     |          |
|                                         | (0.21)  | (0.23)  |        | (0.18)  | (0.19)  |        | (0.16)   | (0.16)   |          |
| Ref(Correct) Know Mth: Skipped.         | -0.28   | -0.27   |        | 0.06    | 0.10    |        | -0.30    | -0.24    |          |
|                                         | (0.31)  | (0.32)  |        | (0.28)  | (0.29)  |        | (0.24)   | (0.24)   |          |
| — Know Mth: Incorrect                   | -0.02   | -0.03   |        | 0.00    | -0.01   |        | -0.13    | -0.14    |          |
|                                         | (0.16)  | (0.17)  |        | (0.13)  | (0.14)  |        | (0.12)   | (0.12)   |          |
| Interest in Politics                    | 0.23*** | 0.17**  |        | 0.10*   | 0.04    |        | 0.08+    | 0.03     |          |
|                                         | (0.06)  | (0.06)  |        | (0.05)  | (0.05)  |        | (0.05)   | (0.05)   |          |
| Mig. Help Nigeria                       |         | 0.59*** |        |         | 0.56*** |        |          | 0.38***  |          |
|                                         |         | (0.08)  |        |         | (0.07)  |        |          | (0.07)   |          |
| Controls                                | YES     | YES     | YES    | YES     | YES     | YES    | YES      | YES      | YES      |
| Extended Controls                       | NO      | YES     | YES    | NO      | YES     | YES    | NO       | YES      | YES      |
| Num.Obs.                                | 1583    | 1583    | 1583   | 1583    | 1583    | 1583   | 1583     | 1583     | 1583     |
| Num.Imp.                                | 5       | 5       | 5      | 5       | 5       | 5      | 5        | 5        | 5        |

+p < 0.1, \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001

All models are logistic regressions and coefficients are presented as unadjusted log-odds ratios. Model 2 is the main specification presented in the manuscript.

# C Conjoint Information and Diagnostics

Figure 3 shows a pair of profiles (task) shown to respondents. After examining each pair of profiles, respondents were then asked if the hypothetical person should be allowed to vote in Nigerian elections.<sup>1</sup> Respondents could choose to allow both, one, or none of the profiles the opportunity to vote, which removes some of the issues associated with conjoint experiments in which respondents are forced to choose one answer or the other (Abramson, Kocak, and Magazinnik 2022).

Each respondent was shown four sets of profiles (four tasks), for a total of eight possible profiles. A total of 4,578 (3,192 abroad, 1,386 at home) respondents completed at least part of the conjoint survey for a total of 34,824 profiles (17,412 pairs) evaluated, of which 24,152 profiles were evaluated by respondents abroad and 10,672 by respondents in Nigeria. For this analysis, we do not impute our data.

Respondents abroad rated 83% of profiles as being allowed to vote, while respondents at home rated 85% of profiles as being allowed to vote; and 57% of respondents abroad and 53% at home supported all profiles, while only 2% and 1% respectively supported no profiles. The high willingness to allow voting suggests that ceiling effects hamper our ability to estimate effects.

| Person A              |           | Person B              |
|-----------------------|-----------|-----------------------|
| Nigeria               | Passport  | Nigeria and           |
| Just moved to ...     | Place     | Moved to 10 years ago |
| Hausa                 | Ethnicity | Yoruba                |
| Muslim                | Religion  | Muslim                |
| Less than high school | Education | High school           |

Appendix Figure1: Example of Conjoint Task

We had both constraints and unequal probabilities. Because ethnicity and religion are not uniformly distributed among Nigerians, these two characteristics were given unequal marginal probabilities. We also imposed two constraints so that extremely unusual profiles are not shown for our “Citizenship” and “Time Abroad” attributes – namely, profiles where the hypothetical person had “Just moved abroad” or “Lives in Nigeria” could not have the level “Foreign” for the “Passport” attribute. We

<sup>1</sup> Two other outcome questions were forced choice questions where respondents were asked who they trust more and who is more similar to them.

imposed these constraints to improve realism and validity: avoiding implausible combinations helps minimize respondents' cognitive effort and maximize response rates. Appendix Table 6 displays all the attributes and their levels.

Appendix Table 6: Conjoint Attributes

| Attribute   | Levels                                                                                                                                                                          | Probability | Constrained |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Citizenship | <ul style="list-style-type: none"> <li>○ Nigerian</li> <li>○ Nigerian and Foreign</li> <li>○ Foreign</li> </ul>                                                                 | Equal       | Yes         |
| Time Abroad | <ul style="list-style-type: none"> <li>○ Lives in Nigeria,</li> <li>○ Just Moved to [COUNTRY],</li> <li>○ Moved abroad 10 years ago,</li> <li>○ Grew up in [COUNTRY]</li> </ul> | Equal       | Yes         |
| Education   | <ul style="list-style-type: none"> <li>○ Less than high school,</li> <li>○ High school,</li> <li>○ University</li> </ul>                                                        | Equal       | No          |
| Religion    | <ul style="list-style-type: none"> <li>○ Christian</li> <li>○ Muslim</li> </ul>                                                                                                 | Unequal     | No          |
| Ethnicity   | <ul style="list-style-type: none"> <li>○ Hausa</li> <li>○ Igbo</li> <li>○ Yoruba</li> <li>○ Fulani</li> </ul>                                                                   | Unequal     | No          |

## Unequal Probabilities

Two of the demographic attributes of the conjoint have unequal probabilities: ethnicity and religion. The ethnicity attribute's probability depends on the respondent's own ethnicity. If the respondent comes from one of the three ethnicities in the conjoint, then the probability of showing their own ethnicity is 50%. We show the code and pseudo code below.

```
// If Hausa is chosen, then 50% Hausa, 23%/55%*50% Yoruba,
23%/55%*50% Igbo, and 9%/55%*50% Fulani.
```

```
// If Yoruba is chosen, then 50% Yoruba, 45%/77%*50% Hausa,
23%/77%*50% Igbo, and 9%/77%*50% Fulani.
```

// If Fulani is chosen, then 50% Fulani, 45%/91%\*50% Hausa, 23%/91%\*50% Yoruba, and 23%/91%\*50% Igbo.

Then Hausa 45%, Yoruba 23%, Igbo 23%, and Fulani 9%.

// conditional probability for religion based on ethnic group

//here use the 20% for the rare cases. For example, the chance to show a Christian Hausa will be 20%

```
function getreligionhausas(){
    var n = Math.floor(Math.random()*100);
    // If Hausa is chosen, then the probability of choosing the
    religion group will be
    if (n < (20/100)*100) {
        var out = "Christian"
    } else if (n < (100/100)*100) {
        var out = "Muslim"
    }
    return out;
}
```

```
function getreligionyoruba(){
    var n = Math.floor(Math.random()*100);
    // If Yoruba is chosen, then the probability of choosing the
    religion group will be
    if (n < (66/100)*100) {
        var out = "Christian"
```

```

    } else if (n < (100/100)*100) {
        var out = "Muslim"
    }
    return out;
}

function getreligionigbo(){
    var n = Math.floor(Math.random()*100);
    // If Igbo is chosen, then the probability of choosing the
    religion group will be
    if (n < (80/100)*100) {
        var out = "Christian"
    } else if (n < (100/100)*100) {
        var out = "Muslim"
    }
    return out;
}

```

## Constraints

Three restrictions were placed on the “Place of Residence” attribute.

- a. Lives in Nigeria --> Cannot have Foreign only
  - i. While a Nigerian can, theoretically, move abroad, obtain a foreign citizenship, renounce their Nigerian citizenship, and then live in Nigeria as an expatriate, we do not allow this option.
- b. Moved abroad 10 years ago --> Cannot have Foreign only
  - i. While a Nigerian could renounce their Nigerian citizenship and only have foreign citizenship, since this is rare, we did not offer this option.
- c. Just moved --> Cannot have Foreign or Nigeria and Foreign
- d. If Grew up in --> Nigeria, Host, and Nigeria and Host (No restriction)

## Diagnostics

Per Hainmueller et al. (2013), there are two main assumptions of the conjoint: “no carryover effects” and “no “profile order” effects. The carryover effect assumption is that the order in which the pairs of profiles is seen does not affect respondents’ outcome choices. The profile order assumption assumes that whether or not a profile is shown on the left or right of the screen (in the case of a paired conjoint) does not affect respondents’ outcome choices. In both cases, researchers can provide an indicative test of this assumption using  $F$ -tests from an ANOVA. These tests compare models with and without controls for profile/order and the interaction between the profile/order and each of the covariates in the model.

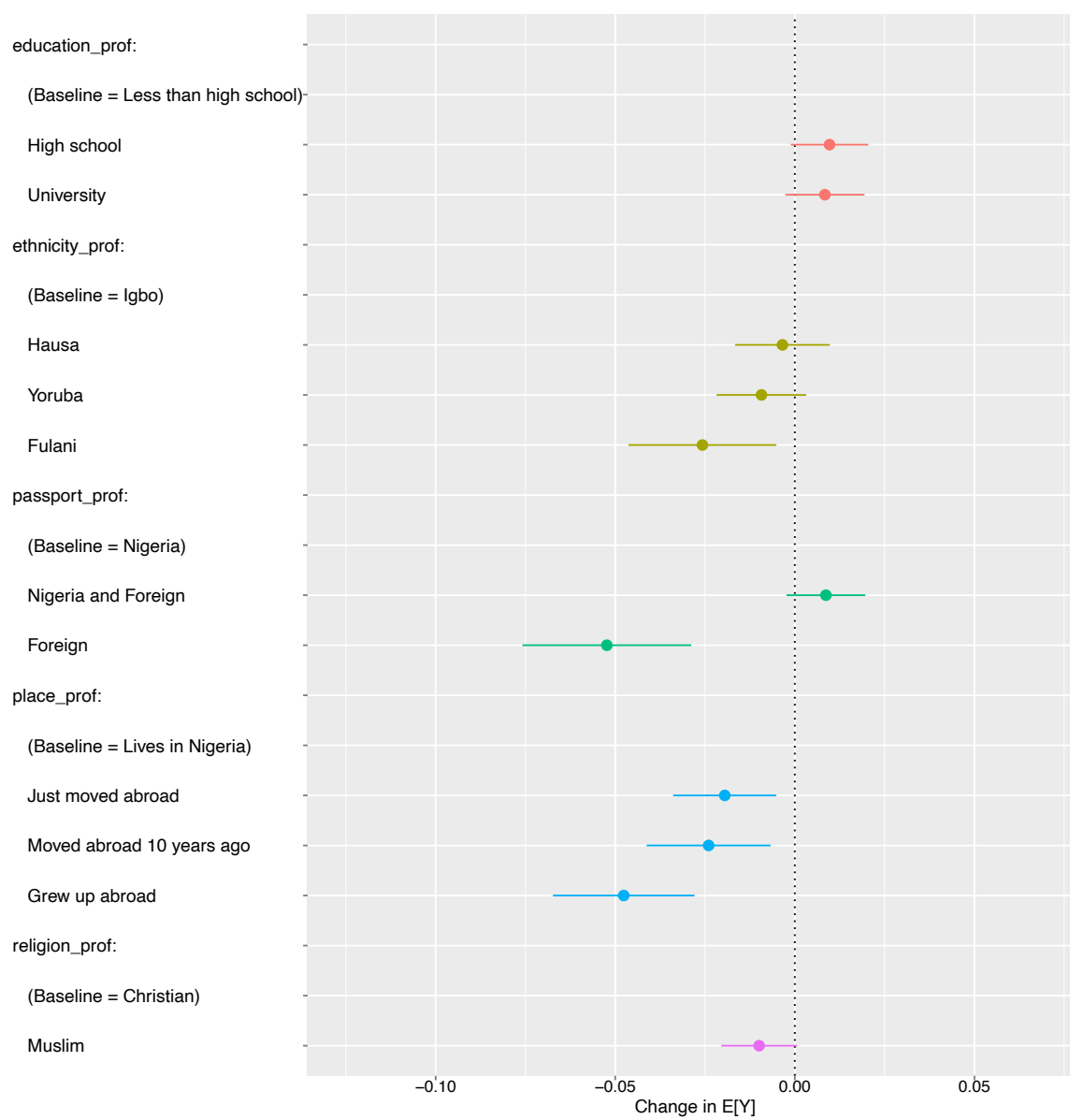
While the difference between these two assumptions is clear in a forced choice conjoint, in our conjoint experiment, the choice is not forced. Therefore, there could be carryover from the left or the right profile, or it could be something about being on the left of the right that changes individuals’ response patterns. Regardless, for the abroad samples, as shown in Table 7, we find neither carryover nor profile order effects.

*Appendix Table 7: Test of Conjoint Assumptions*

|                  | Home |           | Abroad |           |
|------------------|------|-----------|--------|-----------|
|                  | $F$  | $\Pr(>F)$ | $F$    | $\Pr(>F)$ |
| Carryover Effect | 2.45 | .004      | 0.71   | .73       |
| Profile Effect   | 9.59 | .000      | .5     | 0.9       |

In the home sample, however, we find both. Upon closer inspection of the data, we believe that this is likely driven by respondent’s learning about the choices in our attributes (we test randomization of the attributes and find no evidence for issues with our randomization protocols. To ensure that the pattern we find in the main body of the paper is robust to violations of this assumption, we graph only Profile A from the conjoint, which should be unbiased by any additional evaluations. The pattern observed in this case is strikingly similar to the outcome shown in the main paper, giving us more confidence in the results.

Appendix Figure 2: Profile A of Task 1 shown to the Nigerian sample



## D Information about Canada Pilot Data

Before running our 11-country data collection effort, we conducted several pilot studies. One of these studies was a pilot study in Canada ( $N = 203$ ), carried out in the same manner as the main study between January 12 and January 29, 2002, where we asked an additional series of open and closed-ended questions about the views of Nigerians in Canada about Expatriate voting. In addition to some of the sample qualitative texts presented in the body of the manuscript, we also asked a series of closed-ended questions.

In the Appendix Table 8, we show the breakdown of these answers by those who think Nigerians in Canada should vote in federal elections and those who do not. While Canada was on the high end of countries that thought Nigerians should vote at home, both in this pilot and in the main wave of data collection, those who said they should not vote showed a clear pattern in their responses to other questions related to expatriate voting. On a series of 5-point Likert questions about expatriate voting, they were more likely to agree that expatriate voting was too expensive, would create more fraud, and would change politics. They were also more likely to think expats were uninformed and that voting in Nigeria doesn't matter. They were also less informed about Nigerian politics, less likely to vote in Nigeria, and more likely to say it was more important to vote in Canada, rather than Nigeria.

Appendix Table 8

| Characteristic                                               | Overall, N = 198 <sup>1</sup> | No, N = 17 <sup>1</sup> | Yes, N = 181 <sup>1</sup> |
|--------------------------------------------------------------|-------------------------------|-------------------------|---------------------------|
| Nigerian vote - Too Expensive                                | -0.96(1.04), [-2.0-2.0]       | -0.60(0.83), [-2.0-1.0] | -0.99(1.06), [-2.0-2.0]   |
| Nigerian vote - More Fraud                                   | -0.62(1.30), [-2.0-2.0]       | 0.40(1.06), [-2.0-2.0]  | -0.71(1.28), [-2.0-2.0]   |
| Nigerian vote - Change politics                              | -1.17(0.95), [-2.0-2.0]       | -0.40(0.83), [-2.0-1.0] | -1.24(0.93), [-2.0-2.0]   |
| Nigerian vote - Expats uninformed                            | -1.01(1.15), [-2.0-2.0]       | -0.13(1.30), [-2.0-2.0] | -1.09(1.10), [-2.0-2.0]   |
| Nigerian Vote - Doesn't matter                               | -0.45(1.31), [-2.0-2.0]       | -0.12(1.41), [-2.0-2.0] | -0.49(1.30), [-2.0-2.0]   |
| Voting is Important-Nigeria                                  | 1.51(1.00), [-2.0-2.0]        | 1.29(1.16), [-2.0-2.0]  | 1.53(0.99), [-2.0-2.0]    |
| Informed Nigerian Politics                                   | 0.98(1.06), [-2.0-2.0]        | 0.59(1.12), [-2.0-2.0]  | 1.02(1.05), [-2.0-2.0]    |
| Would vote in Nigeria                                        | 1.30(1.14), [-2.0-2.0]        | 0.06(1.25), [-2.0-2.0]  | 1.42(1.06), [-2.0-2.0]    |
| Where more important to vote                                 |                               |                         |                           |
| Voting in Canada                                             | 125 (63%)                     | 14 (82%)                | 111 (61%)                 |
| Voting in Nigeria                                            | 73 (37%)                      | 3 (18%)                 | 70 (39%)                  |
| Support Local Expat Voting                                   |                               |                         |                           |
| I have become much less supportive of voting from abroad     | 3 (1.6%)                      | 3 (20%)                 | 0 (0%)                    |
| I have become much more supportive of voting from abroad     | 97 (52%)                      | 3 (20%)                 | 94 (55%)                  |
| I have become somewhat less supportive of voting from abroad | 8 (4.3%)                      | 2 (13%)                 | 6 (3.5%)                  |
| I have become somewhat more supportive of voting from abroad | 22 (12%)                      | 0 (0%)                  | 22 (13%)                  |
| My views on voting from abroad haven't changed               | 57 (30%)                      | 7 (47%)                 | 50 (29%)                  |

<sup>1</sup>Mean(SD), [Minimum-Maximum]; n (%)

## References

- van Buuren, Stef, and Karin Groothuis-Oudshoorn. 2011. "Mice: Multivariate Imputation by Chained Equations in R." *Journal of Statistical Software* 45(3). <http://doc.utwente.nl/78938/> (January 17, 2016).
- Hainmueller, Jens, Daniel J. Hopkins, and Teppei Yamamoto. 2013. "Causal Inference in Conjoint Analysis: Understanding Multidimensional Choices via Stated Preference Experiments." *Political Analysis* 22(1): 1–30.