**Appendix for “Disgust Sensitivity and Support for Immigration Across Five Nations”**

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| --- | --- | --- | --- | --- | --- | --- |
| **Factor Analysis of Immigration Items** | | | | | | |
|  | **US 1** | **US 2** | **Mexico** | **Turkey** | **Sweden** | **Norway** |
| Spreads Disease | 0.43 |  | 0.16 | 0.33 | 0.67 |  |
| Question Suspects | 0.36 |  |  |  | 0.71 |  |
| Immigration Levels | 0.60 | 0.91 | 0.64 | 0.48 |  |  |
| Welfare Benefits | 0.58 |  | 0.48 | 0.62 | 0.70 | 0.67 |
| Refugees | 0.91 | 0.76 |  |  |  |  |
| Aid to Refugees | 0.82 |  |  |  |  |  |
| Ban Panhandling | 0.20 | -0.04 |  | 0.17 |  | 0.64 |
| Lose Identity |  |  | 0.06 |  | 0.88 | 0.86 |
| Immigrants Should Leave |  |  |  | 0.19 | 0.75 |  |
| Right to Work |  |  |  | 0.73 |  |  |
| Citizenship |  |  |  | 0.67 |  |  |
| EU Deal |  |  |  | 0.36 | 0.42 |  |
| Less Refugees |  |  |  |  | 0.88 |  |
| Stop Immigration |  |  |  |  | 0.91 |  |
| Loyalty of Muslims |  |  |  |  |  | 0.67 |

**Disgust Sensitivity and Immigration Factor Scores**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | US 1 | US 2 | Mexico | Turkey | Sweden | Norway |
| Disgust Sensitivity | 0.20\*\*\* | 0.09\*\*\* | 0.11\*\*\* | 0.08\*\* | 0.17\*\*\* | 0.19\*\*\* |
|  | (0.03) | (0.02) | (0.03) | (0.03) | (0.03) | (0.05) |
|  |  |  |  |  |  |  |
| College | -0.28\*\*\* | -0.24\*\*\* | 0.21\*\* | -0.30\*\* | -0.41\*\*\* | -0.50\*\*\* |
|  | (0.07) | (0.04) | (0.06) | (0.11) | (0.05) | (0.07) |
|  |  |  |  |  |  |  |
| Male | -0.03 | -0.03 | -0.02 | 0.03 | 0.14\*\* | 0.22\*\* |
|  | (0.06) | (0.03) | (0.05) | (0.07) | (0.05) | (0.08) |
|  |  |  |  |  |  |  |
| Age | 0.70\*\*\* | 0.01\*\*\* | 0.44\*\*\* | -0.09 | 0.42\*\*\* | 0.59\*\*\* |
|  | (0.14) | (0.00) | (0.11) | (0.16) | (0.09) | (0.14) |
|  |  |  |  |  |  |  |
| Ideology | 0.61\*\*\* | 1.01\*\*\* |  | -0.07 | 2.03\*\*\* | 1.85\*\*\* |
|  | (0.13) | (0.07) |  | (0.14) | (0.10) | (0.17) |
|  |  |  |  |  |  |  |
| Partisanship | 0.68\*\*\* | 0.51\*\*\* |  |  |  |  |
|  | (0.11) | (0.06) |  |  |  |  |
|  |  |  |  |  |  |  |
| PRI |  |  | 0.04 |  |  |  |
|  |  |  | (0.08) |  |  |  |
|  |  |  |  |  |  |  |
| PAN |  |  | -0.15 |  |  |  |
|  |  |  | (0.09) |  |  |  |
|  |  |  |  |  |  |  |
| MORENA |  |  | -0.04 |  |  |  |
|  |  |  | (0.06) |  |  |  |
|  |  |  |  |  |  |  |
| PRD |  |  | 0.04 |  |  |  |
|  |  |  | (0.15) |  |  |  |
|  |  |  |  |  |  |  |
| AKP |  |  |  | -0.60\*\*\* |  |  |
|  |  |  |  | (0.10) |  |  |
|  |  |  |  |  |  |  |
| CHP |  |  |  | 0.03 |  |  |
|  |  |  |  | (0.11) |  |  |
|  |  |  |  |  |  |  |
| HDP |  |  |  | -0.54\*\*\* |  |  |
|  |  |  |  | (0.14) |  |  |
|  |  |  |  |  |  |  |
| MHP |  |  |  | -0.20 |  |  |
|  |  |  |  | (0.11) |  |  |
|  |  |  |  |  |  |  |
| White | 0.22\*\* | 0.15\*\*\* |  |  |  |  |
|  | (0.08) | (0.04) |  |  |  |  |
|  |  |  |  |  |  |  |
| Kurdish |  |  |  | 0.11 |  |  |
|  |  |  |  | (0.09) |  |  |
|  |  |  |  |  |  |  |
| Constant | -0.97\*\*\* | -1.39\*\*\* | 0.16\*\* | 0.40\*\*\* | -1.23\*\*\* | -1.03\*\*\* |
|  | (0.10) | (0.06) | (0.06) | (0.12) | (0.08) | (0.12) |
| *R*2 | 0.25 | 0.30 | 0.05 | 0.09 | 0.34 | 0.32 |
| *N* | 763 | 2432 | 921 | 865 | 1226 | 523 |

Standard errors in parentheses

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

**Disgust Sensitivity and Attitudes Toward Immigration Levels**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | US 1 | US 2 | Mexico | Turkey |
| Disgust Sensitivity | 0.10\*\* | 0.08\*\*\* | 0.13\*\* | 0.07\* |
|  | (0.04) | (0.02) | (0.04) | (0.03) |
|  |  |  |  |  |
| College | -0.27\*\*\* | -0.23\*\*\* | 0.18\* | -0.26\* |
|  | (0.08) | (0.04) | (0.09) | (0.11) |
|  |  |  |  |  |
| Male | -0.09 | -0.04 | -0.06 | -0.00 |
|  | (0.07) | (0.04) | (0.07) | (0.06) |
|  |  |  |  |  |
| Age | 0.54\*\*\* | 0.01\*\*\* | 0.47\*\* | -0.15 |
|  | (0.15) | (0.00) | (0.14) | (0.15) |
|  |  |  |  |  |
| Ideology | 0.10 | 0.93\*\*\* |  | 0.06 |
|  | (0.15) | (0.07) |  | (0.13) |
|  |  |  |  |  |
| Partisanship | 0.61\*\*\* | 0.49\*\*\* |  |  |
|  | (0.12) | (0.06) |  |  |
|  |  |  |  |  |
| PRI |  |  | 0.00 |  |
|  |  |  | (0.10) |  |
|  |  |  |  |  |
| PAN |  |  | -0.23\* |  |
|  |  |  | (0.11) |  |
|  |  |  |  |  |
| MORENA |  |  | -0.03 |  |
|  |  |  | (0.08) |  |
|  |  |  |  |  |
| PRD |  |  | -0.11 |  |
|  |  |  | (0.20) |  |
|  |  |  |  |  |
| AKP |  |  |  | -0.57\*\*\* |
|  |  |  |  | (0.10) |
|  |  |  |  |  |
| CHP |  |  |  | 0.01 |
|  |  |  |  | (0.11) |
|  |  |  |  |  |
| HDP |  |  |  | -0.24 |
|  |  |  |  | (0.14) |
|  |  |  |  |  |
| MHP |  |  |  | -0.21\* |
|  |  |  |  | (0.10) |
|  |  |  |  |  |
| White | 0.18\* | 0.14\*\* |  |  |
|  | (0.09) | (0.04) |  |  |
|  |  |  |  |  |
| Kurdish |  |  |  | 0.04 |
|  |  |  |  | (0.09) |
|  |  |  |  |  |
| Constant | -0.54\*\*\* | -1.26\*\*\* | -0.10 | 0.36\*\* |
|  | (0.11) | (0.06) | (0.08) | (0.12) |
| *R*2 | 0.12 | 0.27 | 0.03 | 0.07 |
| *N* | 763 | 2432 | 956 | 986 |

Standard errors in parentheses

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

**Testing Country Level Variation in Attitudes Toward Immigration Levels**

|  |  |  |
| --- | --- | --- |
|  | Baseline | Interactive |
| Disgust Sensitivity | 0.09\* | 0.09\*\*\* |
|  | (0.04) | (0.01) |
|  |  |  |
| College | -0.20\*\*\* | -0.21\*\*\* |
|  | (0.03) | (0.03) |
|  |  |  |
| Male | -0.01 | -0.00 |
|  | (0.03) | (0.03) |
|  |  |  |
| Age | 0.02\*\*\* | 0.02\*\*\* |
|  | (0.00) | (0.00) |
|  |  |  |
| US Sample 2 | -0.78\*\*\* | -0.78\*\*\* |
|  | (0.07) | (0.07) |
|  |  |  |
| Mexico | 0.04 | 0.02 |
|  | (0.05) | (0.05) |
|  |  |  |
| Turkey | -0.05 | -0.06 |
|  | (0.05) | (0.05) |
|  |  |  |
| Disgust × US 2 |  | -0.00 |
|  |  | (0.04) |
|  |  |  |
| Disgust × Mexico |  | 0.05 |
|  |  | (0.05) |
|  |  |  |
| Disgust × Turkey |  | -0.03 |
|  |  | (0.04) |
|  |  |  |
| Constant | 0.04 | 0.04 |
|  | (0.04) | (0.04) |
| *R*2 | 0.05 | 0.05 |
| *BIC* | 14,859 | 14,882 |
| *N* | 5320 | 5320 |

Standard errors in parentheses

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

**Disgust Sensitivity and Disease Concerns**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | US 1 | Mexico | Turkey | Sweden |
| Disgust Sensitivity | 0.11\*\* | 0.12\*\* | 0.07\* | 0.20\*\*\* |
|  | (0.04) | (0.04) | (0.03) | (0.03) |
|  |  |  |  |  |
| College | -0.28\*\*\* | -0.03 | -0.14 | -0.23\*\*\* |
|  | (0.08) | (0.09) | (0.11) | (0.05) |
|  |  |  |  |  |
| Male | -0.06 | 0.01 | -0.07 | 0.07 |
|  | (0.07) | (0.07) | (0.06) | (0.05) |
|  |  |  |  |  |
| Age | -0.25 | 0.00 | -0.09 | 0.35\*\*\* |
|  | (0.15) | (0.15) | (0.15) | (0.09) |
|  |  |  |  |  |
| Ideology | 0.26 |  | -0.06 | 1.10\*\*\* |
|  | (0.15) |  | (0.13) | (0.10) |
|  |  |  |  |  |
| Partisanship | 0.50\*\*\* |  |  |  |
|  | (0.12) |  |  |  |
|  |  |  |  |  |
| PRI |  | -0.18 |  |  |
|  |  | (0.11) |  |  |
|  |  |  |  |  |
| PAN |  | -0.02 |  |  |
|  |  | (0.12) |  |  |
|  |  |  |  |  |
| MORENA |  | -0.08 |  |  |
|  |  | (0.08) |  |  |
|  |  |  |  |  |
| PRD |  | -0.12 |  |  |
|  |  | (0.21) |  |  |
|  |  |  |  |  |
| AKP |  |  | -0.38\*\*\* |  |
|  |  |  | (0.10) |  |
|  |  |  |  |  |
| CHP |  |  | -0.00 |  |
|  |  |  | (0.11) |  |
|  |  |  |  |  |
| HDP |  |  | -0.05 |  |
|  |  |  | (0.14) |  |
|  |  |  |  |  |
| MHP |  |  | -0.27\*\* |  |
|  |  |  | (0.10) |  |
|  |  |  |  |  |
| White | 0.29\*\* |  |  |  |
|  | (0.09) |  |  |  |
|  |  |  |  |  |
| Kurdish |  |  | -0.26\*\* |  |
|  |  |  | (0.09) |  |
|  |  |  |  |  |
| Constant | -0.38\*\*\* | 0.10 | 0.41\*\*\* | -0.62\*\*\* |
|  | (0.11) | (0.08) | (0.11) | (0.08) |
| *R*2 | 0.10 | 0.01 | 0.06 | 0.16 |
| *N* | 763 | 950 | 979 | 1226 |

Standard errors in parentheses

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

**Disgust Sensitivity and Concerns of Losing Identity**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mexico | Sweden | Norway |
| Disgust Sensitivity | 0.02 | 0.16\*\*\* | 0.15\*\* |
|  | (0.04) | (0.03) | (0.05) |
|  |  |  |  |
| College | -0.13 | -0.37\*\*\* | -0.48\*\*\* |
|  | (0.09) | (0.05) | (0.08) |
|  |  |  |  |
| Male | -0.11 | 0.21\*\*\* | 0.19\* |
|  | (0.07) | (0.05) | (0.08) |
|  |  |  |  |
| Age | -0.26 | 0.43\*\*\* | 0.58\*\*\* |
|  | (0.15) | (0.09) | (0.15) |
|  |  |  |  |
| Ideology |  | 1.58\*\*\* | 1.61\*\*\* |
|  |  | (0.10) | (0.18) |
|  |  |  |  |
| PRI | -0.04 |  |  |
|  | (0.11) |  |  |
|  |  |  |  |
| PAN | 0.04 |  |  |
|  | (0.12) |  |  |
|  |  |  |  |
| MORENA | -0.02 |  |  |
|  | (0.08) |  |  |
|  |  |  |  |
| PRD | 0.08 |  |  |
|  | (0.20) |  |  |
|  |  |  |  |
| Constant | 0.18\* | -0.89\*\*\* | -0.91\*\*\* |
|  | (0.08) | (0.07) | (0.12) |
| *R*2 | 0.01 | 0.29 | 0.26 |
| *N* | 955 | 1230 | 526 |

Standard errors in parentheses

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

**Disgust Sensitivity and Attitudes Toward Welfare for Immigrants**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | US 1 | Mexico | Turkey | Sweden | Norway |
| Disgust Sensitivity | 0.08\* | 0.09\* | 0.07\* | 0.09\*\* | 0.17\*\*\* |
|  | (0.03) | (0.04) | (0.03) | (0.03) | (0.03) |
|  |  |  |  |  |  |
| College | -0.27\*\*\* | 0.38\*\*\* | -0.28\*\* | -0.28\*\*\* | -0.34\*\*\* |
|  | (0.07) | (0.09) | (0.11) | (0.05) | (0.05) |
|  |  |  |  |  |  |
| Male | 0.04 | 0.10 | -0.00 | 0.14\*\* | 0.25\*\*\* |
|  | (0.07) | (0.07) | (0.06) | (0.05) | (0.05) |
|  |  |  |  |  |  |
| Age | 1.32\*\*\* | 0.44\*\* | 0.10 | 0.21\* | 0.05 |
|  | (0.15) | (0.14) | (0.15) | (0.09) | (0.09) |
|  |  |  |  |  |  |
| Ideology | 0.30\* |  | -0.03 | 1.73\*\*\* | 1.29\*\*\* |
|  | (0.14) |  | (0.13) | (0.10) | (0.11) |
|  |  |  |  |  |  |
| Partisanship | 0.42\*\*\* |  |  |  |  |
|  | (0.12) |  |  |  |  |
|  |  |  |  |  |  |
| PRI |  | 0.21\* |  |  |  |
|  |  | (0.10) |  |  |  |
|  |  |  |  |  |  |
| PAN |  | 0.00 |  |  |  |
|  |  | (0.11) |  |  |  |
|  |  |  |  |  |  |
| MORENA |  | 0.00 |  |  |  |
|  |  | (0.08) |  |  |  |
|  |  |  |  |  |  |
| PRD |  | 0.21 |  |  |  |
|  |  | (0.20) |  |  |  |
|  |  |  |  |  |  |
| AKP |  |  | -0.37\*\*\* |  |  |
|  |  |  | (0.10) |  |  |
|  |  |  |  |  |  |
| CHP |  |  | -0.03 |  |  |
|  |  |  | (0.11) |  |  |
|  |  |  |  |  |  |
| HDP |  |  | -0.37\*\* |  |  |
|  |  |  | (0.14) |  |  |
|  |  |  |  |  |  |
| MHP |  |  | 0.05 |  |  |
|  |  |  | (0.10) |  |  |
|  |  |  |  |  |  |
| White | 0.17\* |  |  |  |  |
|  | (0.08) |  |  |  |  |
|  |  |  |  |  |  |
| Kurdish |  |  | 0.03 |  |  |
|  |  |  | (0.09) |  |  |
|  |  |  |  |  |  |
| Constant | -0.91\*\*\* | -0.26\*\* | 0.19 | -0.87\*\*\* | -0.59\*\*\* |
|  | (0.10) | (0.08) | (0.12) | (0.07) | (0.08) |
| *R*2 | 0.19 | 0.04 | 0.03 | 0.27 | 0.17 |
| *N* | 763 | 967 | 1005 | 1230 | 1520 |

Standard errors in parentheses

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

**Disgust Sensitivity and Attitudes Toward Panhandling**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | US 1 | US 2 | Turkey | Norway |
| Disgust Sensitivity | 0.10\*\* | 0.04\* | 0.17\*\*\* | 0.15\*\* |
|  | (0.04) | (0.02) | (0.03) | (0.05) |
|  |  |  |  |  |
| College | 0.06 | 0.02 | 0.15 | -0.32\*\*\* |
|  | (0.08) | (0.04) | (0.11) | (0.08) |
|  |  |  |  |  |
| Male | 0.04 | 0.05 | 0.16\* | 0.11 |
|  | (0.07) | (0.04) | (0.06) | (0.09) |
|  |  |  |  |  |
| Age | 0.48\*\* | -0.00 | -0.06 | 0.36\* |
|  | (0.16) | (0.00) | (0.15) | (0.15) |
|  |  |  |  |  |
| Ideology | 0.26 | -0.11 | 0.19 | 1.51\*\*\* |
|  | (0.15) | (0.08) | (0.14) | (0.19) |
|  |  |  |  |  |
| Partisanship | 0.36\*\* | 0.32\*\*\* |  |  |
|  | (0.13) | (0.07) |  |  |
|  |  |  |  |  |
| AKP |  |  | -0.11 |  |
|  |  |  | (0.10) |  |
|  |  |  |  |  |
| CHP |  |  | 0.05 |  |
|  |  |  | (0.11) |  |
|  |  |  |  |  |
| HDP |  |  | -0.11 |  |
|  |  |  | (0.14) |  |
|  |  |  |  |  |
| MHP |  |  | -0.17 |  |
|  |  |  | (0.11) |  |
|  |  |  |  |  |
| White | -0.02 | -0.03 |  |  |
|  | (0.09) | (0.05) |  |  |
|  |  |  |  |  |
| Kurdish |  |  | 0.11 |  |
|  |  |  | (0.09) |  |
|  |  |  |  |  |
| Constant | -0.51\*\*\* | -0.05 | -0.20 | -0.79\*\*\* |
|  | (0.11) | (0.07) | (0.12) | (0.13) |
| *R*2 | 0.05 | 0.01 | 0.04 | 0.18 |
| *N* | 763 | 2432 | 1009 | 526 |

Standard errors in parentheses

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

**Alternative Robustness Checks**

In the main text we provide a series of robustness checks using the immigration factor score as the dependent variable. One possible concern with these analyses is that the inclusion of the “spread disease” item in some of the factor scores may inflate the results. To assess this possibility, we re-estimated the factor scores while omitting the disease item, then reproduced the full set of robustness checks. The results are shown below. As is clear, the results are substantively unaffected by this change and thus the results reported in the main text cannot be attributed to the disease item.



**Additional Study Info and Codebooks**

US Sample 1 was fielded by Qualtrics Panels in May 2016. The full codebook is appended below. This survey also included a study published in:

* Clifford, Scott. 2019. “How Emotional Frames Moralize and Polarize Political Attitudes.” Political Psychology 40(1): 75-91.

US Sample 2 was fielded on the Lucid platform in April 2019. This survey also included content published in:

* Clifford, Scott, Yongkwang Kim, and Brian Sullivan. 2019. “An Improved Question Format for Measuring Conspiracy Beliefs.” Public Opinion Quarterly 83(4): 690-722.
* Clifford, Scott, Geoffrey Sheagley, and Spencer Piston. 2021. “Increasing Precision Without Altering Treatment Effects: Repeated Measures Designs in Survey Experiments.” American Political Science Review 115(3): 1048-1065.

The Norwegian survey was part of the Norwegian Citizen Panel hosted by the University of Bergen (Norwegian: Norsk Medborgerpanel). More information on the study can be found here: <http://nsddata.nsd.uib.no/webview/index.jsp?v=2&node=0&+target=&submode=ddi&study=http%3A%2F%2F129.177.90.161%3A80%2Fobj%2FfStudy%2FNSD2165&language=en&mode=documentation&>

The codebook for the wave that included our survey items can be found here:

<https://www.nsd.no/data/individ/publikasjoner/NSD2165/Codebook%20-%20NCP%20round%203%20-%20en.html>

The Swedish sample was from the Citizen Panel (Swedish: Medborgarpanelen - MP) which is an online panel survey from the Laboratory of Opinion Research (LORE) hosted at the University of Gothenburg. More information on the survey can be found here:

<https://www.gu.se/som-institutet/medborgarpanelen/for-dig-som-forskar/panelvagor-och-tekniska-rapporter>

The relevant codebook can be found here:

<https://www.gu.se/sites/default/files/2020-05/technical_report_lore_citizen_panel_21.pdf>

The Turkish survey was fielded by Infakto RW. The full codebook can be found below.

The Mexican survey was fielded by Buendía & Laredo. The full codebook can be found below.