**Online Supplement**

This Online Supplement provides additional information to the manuscript *The Impact of Intra-EU Migration on Welfare Chauvinism*, which makes reference to the numbering of the tables and figures as they are presented here.

It provides the full results from Table 2 and Table 3, now also including the results for the individual-level control variables (Table S1; Table S2);

It gives the results of the full models, including a number of additional control variables (Table S3)—besides measures of intra-EU migration and social benefits, it includes political inequality (gini coefficient), economic wealth (purchasing power parity per capita), and unemployment (as a percentage of the population). More information on the operationalization of these and all other variables can be found in the regular appendix in the main article;

Furthermore, it includes the results of an alternative analysis (Table S4). Here, the main models in the study are replicated using a linear multilevel technique to illustrate that the results are robust in this way too.

Lastly, Table S5 presents the results for the analyses done to create Figures 1 and 2 (replications of Model 4 and 7) in the main text, using a dichotomous indicator of welfare chauvinism.

**Table S1**: Full models—Refer to models 1-4 in Table 2 in the main text

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | MODEL A1 | MODEL 2A | MODEL 3A | MODEL 4A |
| Left-right | 0.098\*\*\* | 0.098\*\*\* | 0.098\*\*\* | 0.098\*\*\* |
|  | (0.005) | (0.005) | (0.005) | (0.005) |
| Female | -0.046\*\* | -0.046\*\* | -0.046\*\* | -0.046\*\* |
|  | (0.022) | (0.022) | (0.022) | (0.022) |
| Age | 0.002\*\* | 0.002\*\* | 0.002\*\* | 0.002\*\* |
|  | (0.001) | (0.001) | (0.001) | (0.001) |
| Education | -0.091\*\*\* | -0.091\*\*\* | -0.091\*\*\* | -0.091\*\*\* |
|  | (0.009) | (0.009) | (0.009) | (0.009) |
| Income (subjective) | 0.018 | 0.018 | 0.017 | 0.018 |
|  | (0.016) | (0.016) | (0.016) | (0.016) |
| Employment status*(Ref. employed)* |  |  |  |  |
|  Unemployed | -0.140\*\*\* | -0.140\*\*\* | -0.140\*\*\* | -0.140\*\*\* |
|  | (0.050) | (0.050) | (0.050) | (0.050) |
|  Education/housework | -0.029 | -0.029 | -0.028 | -0.028 |
|  | (0.027) | (0.027) | (0.027) | (0.027) |
|  Disabled/sick/retired | 0.085\*\* | 0.085\*\* | 0.085\*\* | 0.085\*\* |
|  | (0.034) | (0.034) | (0.034) | (0.034) |
| EU feeling | -0.060\*\*\* | -0.060\*\*\* | -0.060\*\*\* | -0.060\*\*\* |
|  | (0.005) | (0.005) | (0.005) | (0.005) |
| Perceived need | 0.011 | 0.011 | 0.011 | 0.011 |
|  | (0.014) | (0.014) | (0.014) | (0.014) |
| Trust people | -0.072\*\*\* | -0.072\*\*\* | -0.072\*\*\* | -0.072\*\*\* |
|  | (0.007) | (0.007) | (0.007) | (0.007) |
| Trust system | -0.056\*\*\* | -0.056\*\*\* | -0.056\*\*\* | -0.056\*\*\* |
|  | (0.006) | (0.006) | (0.006) | (0.006) |
| Socially active | -0.010 | -0.010 | -0.010 | -0.010 |
|  | (0.012) | (0.012) | (0.012) | (0.012) |
| Welfare state legitimacy | -0.025\*\*\* | -0.025\*\*\* | -0.025\*\*\* | -0.025\*\*\* |
|  | (0.008) | (0.008) | (0.008) | (0.008) |
| Foreign-born ESS | -0.047\*\*\* |  |  |  |
|  | (0.017) |  |  |  |
| Foreign-born |  | -0.043\*\* |  |  |
|  |  | (0.020) |  |  |
| EU-immigration ESS |  |  | -0.075\*\*\* |  |
|  |  |  | (0.026) |  |
| EU-immigration |  |  |  | -0.085\*\*\* |
|  |  |  |  | (0.030) |
| Non-EU ESS |  |  | -0.015 |  |
|  |  |  | (0.023) |  |
| Non-EU |  |  |  | -0.013 |
|  |  |  |  | (0.024) |
| Social benefits | -0.027 | -0.038 | -0.041 | -0.038 |
|  | (0.035) | (0.038) | (0.030) | (0.032) |
| Unemployment | -0.053 | -0.023 |  |  |
|  | (0.057) | (0.058) |  |  |
| *Cut-point 1* | -4.505\*\*\* | -4.495\*\*\* | -4.301\*\*\* | -4.243\*\*\* |
|  | (0.516) | (0.586) | (0.467) | (0.537) |
| *Cut-point 2* | -3.579\*\*\* | -3.569\*\*\* | -3.375\*\*\* | -3.317\*\*\* |
|  | (0.516) | (0.586) | (0.467) | (0.537) |
| *Cut-point 3* | -1.513\*\*\* | -1.504\*\* | -1.310\*\*\* | -1.251\*\* |
|  | (0.516) | (0.586) | (0.466) | (0.536) |
| *Cut-point 4* | 0.982\* | 0.991\* | 1.185\*\* | 1.244\*\* |
|  | (0.516) | (0.586) | (0.467) | (0.537) |
| Country-level variance (null-model=0.268) | 0.161 | 0.181 | 0.149 | 0.157 |
| N | *30829* | *30829* | *30829* | *30829* |
| N countries | *21* | *21* | *21* | *21* |

*Notes*: models reflect the results of multilevel ordered logit analyses, and standard errors are reported between brackets. \**p*<0.1; \*\* *p*<0.05; \*\*\* *p*<0.01

**Table S2**: Full models—Refer to models 5-7 in Table 3 in the main text

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Model A5** | **Model A6** | **Model A7** | **Model A8** |
| **Left-right** | 0.098\*\*\* | 0.098\*\*\* | 0.098\*\*\* | 0.098\*\*\* |
|  | (0.005) | (0.005) | (0.005) | (0.005) |
| **Female** | -0.046\*\* | -0.046\*\* | -0.046\*\* | -0.046\*\* |
|  | (0.022) | (0.022) | (0.022) | (0.022) |
| **Age** | 0.002\*\* | 0.002\*\* | 0.002\*\* | 0.002\*\* |
|  | (0.001) | (0.001) | (0.001) | (0.001) |
| **Education** | -0.091\*\*\* | -0.091\*\*\* | -0.091\*\*\* | -0.090\*\*\* |
|  | (0.009) | (0.009) | (0.009) | (0.009) |
| **Income (subjective)** | 0.017 | 0.018 | 0.017 | 0.017 |
|  | (0.016) | (0.016) | (0.016) | (0.016) |
| **Employment status*****(Ref. employed)*** |  |  |  |  |
|  **Unemployed** | -0.140\*\*\* | -0.140\*\*\* | -0.140\*\*\* | -0.139\*\*\* |
|  | (0.050) | (0.050) | (0.050) | (0.050) |
|  **Education/housework** | -0.028 | -0.029 | -0.028 | -0.028 |
|  | (0.027) | (0.027) | (0.027) | (0.027) |
|  **Disabled/sick/retired** | 0.085\*\* | 0.085\*\* | 0.085\*\* | 0.085\*\* |
|  | (0.034) | (0.034) | (0.034) | (0.034) |
| **EU feeling** | -0.060\*\*\* | -0.060\*\*\* | -0.060\*\*\* | -0.060\*\*\* |
|  | (0.005) | (0.005) | (0.005) | (0.005) |
| **Perceived need** | 0.011 | 0.012 | 0.011 | 0.011 |
|  | (0.014) | (0.014) | (0.014) | (0.014) |
| **Trust people** | -0.072\*\*\* | -0.072\*\*\* | -0.072\*\*\* | -0.072\*\*\* |
|  | (0.007) | (0.007) | (0.007) | (0.007) |
| **Trust system** | -0.056\*\*\* | -0.056\*\*\* | -0.056\*\*\* | -0.056\*\*\* |
|  | (0.006) | (0.006) | (0.006) | (0.006) |
| **Socially active** | -0.010 | -0.010 | -0.010 | -0.010 |
|  | (0.012) | (0.012) | (0.012) | (0.012) |
| **Welfare state legitimacy** | -0.025\*\*\* | -0.025\*\*\* | -0.025\*\*\* | -0.025\*\*\* |
|  | (0.008) | (0.008) | (0.008) | (0.008) |
| **EU-immigration** |  |  |  | 0.137 |
|  |  |  |  | (0.153) |
| **EU-immigration ESS: east** | 0.052 | -0.078 |  |  |
|  | (0.100) | (0.115) |  |  |
| **EU-immigration ESS: non-east** | -0.086\*\*\* |  |  |  |
|  | (0.030) |  |  |  |
| **Non-EU ESS** | -0.003 | -0.029 | 0.000 |  |
|  | (0.023) | (0.026) | (0.024) |  |
| **%East of EU-immigration** |  |  | 0.009\*\*\* |  |
|  |  |  | (0.003) |  |
| **Soc. contribution** |  |  |  | 0.020\*\* |
|  |  |  |  | (0.008) |
| **EU-immigr.\*soc.contrib.** |  |  |  | -0.004 |
|  |  |  |  | (0.003) |
| **Social benefits** |  | -0.035 | 0.010 |  |
|  |  | (0.037) | (0.033) |  |
| ***Cut-point 1*** | -3.627\*\*\* | -4.111\*\*\* | -2.993\*\*\* | -2.419\*\*\* |
|  | (0.194) | (0.585) | (0.562) | (0.525) |
| ***Cut-point 2*** | -2.702\*\*\* | -3.185\*\*\* | -2.068\*\*\* | -1.493\*\*\* |
|  | (0.194) | (0.585) | (0.561) | (0.525) |
| ***Cut-point 3*** | -0.636\*\*\* | -1.120\* | -0.002 | 0.572 |
|  | (0.193) | (0.585) | (0.561) | (0.525) |
| ***Cut-point 4*** | 1.859\*\*\* | 1.376\*\* | 2.493\*\*\* | 3.067\*\*\* |
|  | (0.194) | (0.585) | (0.562) | (0.525) |
| **N** | *30829* | *30829* | *30829* | 30829 |
| **N countries** | *21* | *21* | *21* | 21 |
| ***Log likelihood*** | *-39390.004* | *-39393.101* | *-39389.955* | -39388.299 |
| ***Wald Chi-square*** | *1284.62* | *1275.44* | *1284.81* | 1290.90 |
| **Country-level variance (null-model=0.268)** | 0.153 | 0.206 | 0.152 | 0.130 |

*Notes*: models reflect the results of multilevel ordered logit analyses, and standard errors are reported between brackets. \**p*<0.1; \*\* *p*<0.05; \*\*\* *p*<0.01

**Table S3:** Robustness check—Full models including extra control variables

|  |  |  |  |
| --- | --- | --- | --- |
|  | MODEL A4 | MODEL B4 | MODEL C4 |
| Left-right | 0.098\*\*\* | 0.098\*\*\* | 0.098\*\*\* |
|  | (0.005) | (0.005) | (0.005) |
| Female | -0.046\*\* | -0.046\*\* | -0.046\*\* |
|  | (0.022) | (0.022) | (0.022) |
| Age | 0.002\*\* | 0.002\*\* | 0.002\*\* |
|  | (0.001) | (0.001) | (0.001) |
| Education | -0.091\*\*\* | -0.091\*\*\* | -0.091\*\*\* |
|  | (0.009) | (0.009) | (0.009) |
| Income (subjective) | 0.018 | 0.017 | 0.018 |
|  | (0.016) | (0.016) | (0.016) |
| Employment status*(Ref. employed)* |  |  |  |
|  Unemployed | -0.140\*\*\* | -0.140\*\*\* | -0.140\*\*\* |
|  | (0.050) | (0.050) | (0.050) |
|  Education/housework | -0.029 | -0.028 | -0.029 |
|  | (0.027) | (0.027) | (0.027) |
|  Disabled/sick/retired | 0.085\*\* | 0.085\*\* | 0.085\*\* |
|  | (0.034) | (0.034) | (0.034) |
| EU feeling | -0.060\*\*\* | -0.060\*\*\* | -0.060\*\*\* |
|  | (0.005) | (0.005) | (0.005) |
| Perceived need | 0.011 | 0.011 | 0.011 |
|  | (0.014) | (0.014) | (0.014) |
| Trust people | -0.072\*\*\* | -0.072\*\*\* | -0.072\*\*\* |
|  | (0.007) | (0.007) | (0.007) |
| Trust system | -0.056\*\*\* | -0.056\*\*\* | -0.056\*\*\* |
|  | (0.006) | (0.006) | (0.006) |
| Socially active | -0.010 | -0.010 | -0.010 |
|  | (0.012) | (0.012) | (0.012) |
| Welfare state legitimacy | -0.025\*\*\* | -0.025\*\*\* | -0.025\*\*\* |
|  | (0.008) | (0.008) | (0.008) |
| EU-immigration | -0.088\*\*\* | -0.066\* | -0.089\*\*\* |
|  | (0.030) | (0.037) | (0.031) |
| Social benefits | -0.043 | -0.024 | -0.021 |
|  | (0.032) | (0.030) | (0.035) |
| Gini | -0.020 |  |  |
|  | (0.021) |  |  |
| PPP per capita |  | -0.009 |  |
|  |  | (0.011) |  |
| Unemployment |  |  | -0.031 |
|  |  |  | (0.054) |
| *Cut-point 1* | -4.827\*\*\* | -4.224\*\*\* | -4.133\*\*\* |
|  | (0.902) | (0.465) | (0.446) |
| *Cut-point 2* | -3.901\*\*\* | -3.298\*\*\* | -3.207\*\*\* |
|  | (0.902) | (0.464) | (0.446) |
| *Cut-point 3* | -1.836\*\* | -1.233\*\*\* | -1.141\*\* |
|  | (0.901) | (0.464) | (0.446) |
| *Cut-point 4* | 0.660 | 1.262\*\*\* | 1.354\*\*\* |
|  | (0.901) | (0.464) | (0.446) |
| Country-level variance (null-model=0.268) | 0.153 | 0.154 | 0.157 |
| N | 30829 | 30829 | 30829 |
| N countries | 21 | 21 | 21 |

*Notes*: models reflect the results of multilevel ordered logit analyses, and standard errors are reported between brackets. \*p<0.1; \*\* p<0.05; \*\*\* p<0.01

**Table S4:** Robustness check—Full models replicated with an alternative estimation technique

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | MODEL | MODEL | MODEL | MODEL | MODEL |
| Left-right | 0.050\*\*\* | 0.050\*\*\* | 0.050\*\*\* | 0.050\*\*\* | 0.050\*\*\* |
|  | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) |
| Female | -0.019\* | -0.019\* | -0.019\* | -0.019\* | -0.019\* |
|  | (0.011) | (0.011) | (0.011) | (0.011) | (0.011) |
| Age | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* |
|  | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) |
| Education | -0.049\*\*\* | -0.049\*\*\* | -0.049\*\*\* | -0.049\*\*\* | -0.049\*\*\* |
|  | (0.004) | (0.004) | (0.004) | (0.004) | (0.004) |
| Income (subjective) | 0.009 | 0.009 | 0.009 | 0.008 | 0.009 |
|  | (0.008) | (0.008) | (0.008) | (0.008) | (0.008) |
| Employment status*(Ref. employed)* |  |  |  |  |  |
|  Unemployed | -0.066\*\*\* | -0.066\*\*\* | -0.066\*\*\* | -0.066\*\*\* | -0.066\*\*\* |
|  | (0.025) | (0.025) | (0.025) | (0.025) | (0.025) |
|  Education/housework | -0.025\* | -0.025\* | -0.025\* | -0.025\* | -0.025\* |
|  | (0.013) | (0.013) | (0.013) | (0.013) | (0.013) |
|  Disabled/sick/retired | 0.035\*\* | 0.035\*\* | 0.035\*\* | 0.035\*\* | 0.035\*\* |
|  | (0.017) | (0.017) | (0.017) | (0.017) | (0.017) |
| EU feeling | -0.032\*\*\* | -0.032\*\*\* | -0.032\*\*\* | -0.032\*\*\* | -0.032\*\*\* |
|  | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) |
| Perceived need | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
|  | (0.007) | (0.007) | (0.007) | (0.007) | (0.007) |
| Trust people | -0.035\*\*\* | -0.035\*\*\* | -0.035\*\*\* | -0.035\*\*\* | -0.035\*\*\* |
|  | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) |
| Trust system | -0.027\*\*\* | -0.027\*\*\* | -0.027\*\*\* | -0.027\*\*\* | -0.027\*\*\* |
|  | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) |
| Socially active | -0.006 | -0.006 | -0.006 | -0.006 | -0.006 |
|  | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) |
| Welfare state legitimacy | -0.017\*\*\* | -0.017\*\*\* | -0.017\*\*\* | -0.017\*\*\* | -0.017\*\*\* |
|  | (0.004) | (0.004) | (0.004) | (0.004) | (0.004) |
| EU-immigration ESS | -0.034\*\*\* |  |  |  |  |
|  | (0.013) |  |  |  |  |
| Non-EU ESS | -0.007 |  |  | 0.001 |  |
|  | (0.011) |  |  | (0.012) |  |
| EU-immigration |  | -0.037\*\* |  |  | 0.080 |
|  |  | (0.015) |  |  | (0.075) |
| Non-EU |  | -0.007 | 0.000 |  |  |
|  |  | (0.012) | (0.011) |  |  |
| EU-immigration ESS: east |  |  | 0.041 |  |  |
|  |  |  | (0.048) |  |  |
| EU-immigration ESS: non-east |  |  | -0.042\*\*\* |  |  |
|  |  |  | (0.014) |  |  |
| %East of EU-immigration |  |  |  | 0.004\*\*\* |  |
|  |  |  |  | (0.002) |  |
| Soc. contribution |  |  |  |  | 0.011\*\*\* |
|  |  |  |  |  | (0.004) |
| EU-immigr.\*soc.contrib. |  |  |  |  | -0.002 |
|  |  |  |  |  | (0.001) |
| Social benefits | -0.021 | -0.020 |  | 0.004 |  |
|  | (0.015) | (0.016) |  | (0.016) |  |
| Constant | 4.086\*\*\* | 4.065\*\*\* | 3.734\*\*\* | 3.454\*\*\* | 3.120\*\*\* |
|  | (0.228) | (0.264) | (0.94) | (0.268) | (0.257) |
| Country-level variance (null model=0.259) | 0.189 | 0.195 | 0.189 | 0.186 | 0.176 |
| N | 30829 | 30829 | 30829 | 30829 | 30829 |
| N countries | 21 | 21 | 21 | 21 | 21 |

*Notes*: models reflect the results of multilevel analyses with random effects at the country-level, and standard errors are reported between brackets. \**p*<0.1; \*\* *p*<0.05; \*\*\* *p*<0.01

**Table S5**: Full models for Figures 1 and 2 in the main text

|  |  |  |
| --- | --- | --- |
| **Left-right** | 0.075\*\*\* | 0.075\*\*\* |
|  | (0.006) | (0.006) |
| **Female** | -0.078\*\*\* | -0.078\*\*\* |
|  | (0.025) | (0.025) |
| **Age** | 0.001 | 0.001 |
|  | (0.001) | (0.001) |
| **Education** | -0.070\*\*\* | -0.070\*\*\* |
|  | (0.010) | (0.010) |
| **Income (subjective)** | 0.018 | 0.017 |
|  | (0.018) | (0.018) |
| **Employment status****(Ref. employed)** |  |  |
|  **Unemployed** | -0.132\*\* | -0.133\*\* |
|  | (0.057) | (0.057) |
|  **Education/housework** | 0.042 | 0.042 |
|  | (0.031) | (0.031) |
|  **Disabled/sick/retired** | 0.100\*\* | 0.100\*\* |
|  | (0.039) | (0.039) |
| **EU feeling** | -0.046\*\*\* | -0.045\*\*\* |
|  | (0.005) | (0.005) |
| **Perceived need** | -0.004 | -0.003 |
|  | (0.015) | (0.015) |
| **Trust people** | -0.056\*\*\* | -0.057\*\*\* |
|  | (0.008) | (0.008) |
| **Trust system** | -0.046\*\*\* | -0.046\*\*\* |
|  | (0.007) | (0.007) |
| **Socially active** | -0.008 | -0.008 |
|  | (0.013) | (0.013) |
| **Welfare state legitimacy** | -0.005 | -0.005 |
|  | (0.009) | (0.009) |
| **EU-immigration** | -0.119\*\*\* |  |
|  | (0.032) |  |
| **Non-EU** | -0.016 |  |
|  | (0.026) |  |
| **%East of EU-immigration** |  | 0.009\*\* |
|  |  | (0.004) |
| **Non-EU ESS** |  | -0.005 |
|  |  | (0.030) |
| **Social benefits** | -0.033 | 0.019 |
|  | (0.034) | (0.040) |
| ***Cut-point 1*** | *-1.051\** | *0.347* |
|  | *(0.573)* | *(0.686)* |
| ***N*** | *30,829.000* | *30,829.000* |
| ***N countries*** | *21* | *21* |
| ***Log likelihood*** | *-19611.365* | *-19613.887* |
| ***Wald chi-square*** | *624.25* | *616.52* |
| ***Country-level variance*** *(null-model=0.324)* | *0.179* | *0.230* |