Supplementary Materials

**Risk perceptions of COVID-19 around the world**

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|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | All | Australia | Germany | Spain | Italy | Japan | South Korea | Mexico | Sweden | UK | USA |
| N | 6991 | 700 | 700 | 700 | 700 | 699 | 700 | 693 | 700 | 700 | 699 |
| Gender (% men) | 50 | 51 | 50 | 51 | 50 | 51 | 49 | 51 | 49 | 51 | 51 |
| Age | 45.45  (15.75) | 46.31  (16.44) | 46.71  (15.92) | 46.68  (14.99) | 45.91  (14.81) | 48.08  (16.35) | 45.34  (15.51) | 38.69  (13.96) | 45.49  (16.02) | 45.67  (15.69) | 45.22  (15.82) |
| Education (%) |  |  |  |  |  |  |  |  |  |  |  |
| No formal education above age 16 | 4.6 | 9.3 | 4.7 | 4.6 | 5 | 1.7 | 1.7 | 3.8 | 7 | 7.9 | 0.9 |
| Professional or technical qualifications above age 16 | 10.4 | 15.1 | 32.9 | 8.9 | 7 | 3.6 | 3.4 | 10.1 | 9 | 11.4 | 2.3 |
| School education up to age 18 | 29.9 | 29 | 27.1 | 27.7 | 34.9 | 40.9 | 24.3 | 17.2 | 41.4 | 26.9 | 29.9 |
| Undergraduate degree | 37.2 | 33 | 15 | 41.7 | 11.7 | 44.8 | 60.1 | 54.5 | 26.3 | 37.7 | 46.9 |
| Postgraduate degree | 11.4 | 7.1 | 15.6 | 11.6 | 17.7 | 6.3 | 8.4 | 6.1 | 11.6 | 13.7 | 15.7 |
| Doctorate | 2.1 | 0.9 | 0.9 | 3.9 | 3.6 | 1.7 | 1.7 | 0.6 | 0.9 | 2.4 | 4.3 |
| Missing | 4.4 | 5.6 | 3.9 | 1.7 | 20.1 | 1 | 0.3 | 7.8 | 3.9 | 0.0 | 0.0 |
| Risk perception | 4.95  (1.00) | 4.85  (1.01) | 4.93  (0.99) | 5.19  (0.87) | 4.81  (0.86) | 4.83  (0.89) | 4.78  (0.90) | 4.78  (1.10) | 4.91  (1.02) | 5.45  (0.98) | 4.95  (1.13) |
| Political ideology (liberal-conservative) | 3.74  (1.39) | 3.83  (1.30) | 3.79  (1.19) | 3.50  (1.43) | 3.87  (1.45) | 4.09  (1.09) | 3.88  (1.20) | 3.65  (1.31) | 3.93  (1.59) | 3.70  (1.42) | 3.23  (1.64) |
| Personal knowledge | 4.72  (1.74) | 4.98  (1.55) | 5.56  (1.49) | 4.84  (1.82) | 5.00  (1.63) | 3.93  (1.55) | 5.10  (1.44) | 4.23  (2.10) | 4.61  (1.77) | 4.70  (1.60) | 4.28  (1.77) |
| Social knowledge | 4.76  (1.40) | 4.91  (1.33) | 5.18  (1.28) | 4.77  (1.31) | 4.37  (1.49) | 4.01  (1.37) | 5.07  (1.12) | 5.10  (1.54) | 4.84  (1.40) | 4.61  (1.32) | 4.74  (1.39) |
| Direct experience (%) | 20 | 09 | 22 | 28 | 25 | 27 | 18 | 15 | 26 | 18 | 14 |
| Social amplification (%) | 84 | 79 | 89 | 91 | 73 | 73 | 84 | 92 | 82 | 89 | 90 |
| Prosociality | 5.20  (1.42) | 5.23  (1.36) | 4.97  (1.42) | 5.74  (1.21) | 5.76  (1.38) | 4.74  (1.42) | 4.40  (1.31) | 5.34  (1.61) | 4.87  (1.43) | 5.50  (1.07) | 5.43  (1.27) |
| Individualism worldview | 2.84  (0.93) | 2.88  (0.97) | 2.53  (0.91) | 2.67  (1.00) | 2.27  (1.00) | 2.93  (0.60) | 3.16  (0.55) | 2.94  (0.85) | 2.96  (0.88) | 2.80  (0.92) | 3.23  (1.08) |
| Trust in government | 3.58  (1.51) | 3.99  (1.50) | 4.32  (1.44) | 3.47  (1.60) | 3.89  (1.42) | 3.05  (1.29) | 3.59  (1.23) | 3.00  (1.58) | 4.01  (1.52) | 3.56  (1.46) | 2.95  (1.32) |
| Trust in science | 3.93  (0.84) | 3.89  (0.87) | 3.82  (0.84) | 4.11  (0.79) | 3.95  (0.79) | 3.42  (0.80) | 3.72  (0.72) | 4.06  (0.90) | 3.87  (0.81) | 4.18  (0.74) | 4.23  (0.78) |
| Trust in medical professionals | 4.07  (0.87) | 4.14  (0.88) | 4.06  (0.80) | 4.35  (0.77) | 4.16  (0.87) | 3.68  (0.84) | 3.78  (0.81) | 4.02  (1.02) | 3.97  (0.86) | 4.36  (0.73) | 4.18  (0.82) |
| Personal efficacy | 5.15  (1.48) | 5.14  (1.45) | 5.24  (1.41) | 5.31  (1.47) | 5.31  (1.46) | 4.26  (1.42) | 5.42  (1.23) | 5.36  (1.66) | 5.20  (1.50) | 5.04  (1.38) | 5.26  (1.44) |
| Collective efficacy | 4.39  (1.60) | 4.68  (1.45) | 4.90  (1.27) | 4.46  (1.60) | 4.86  (1.39) | 3.35  (1.42) | 5.09  (1.42) | 3.99  (1.94) | 4.57  (1.52) | 4.16  (1.51) | 3.91  (1.53) |

Table S1

Descriptive statistics for whole sample and each country

Table S2. Full list of variables and constituent items

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Variable name | Example item | Scale |
| DV | Risk perception | How worried are you personally about the following issues at present? - Coronavirus/COVID-19 | 7 point Likert scale, 1 = not at all worried, 7 = very worried |
|  |  | How likely do you think it is that you will be directly and personally affected by the following in the next 6 months? - Catching the coronavirus/COVID-19 | 7 point Likert scale, 1= not at all likely, 7 = very likely |
|  |  | How likely do you think it is that your friends and family in the country you are currently living in will be directly affected by the following in the next 6 months? - Catching the coronavirus/COVID-19 | 7 point Likert scale, 1= not at all likely, 7 = very likely |
|  |  | How much do you agree or disagree with the following statements? - The coronavirus/COVID-19 will NOT affect very many people in the country I'm currently living in | Reverse coded, 5 point Likert scale, 1 = strongly disagree, 5 = strongly agree |
|  |  | How much do you agree or disagree with the following statements? - I will probably get sick with the coronavirus/COVID-19 | 5 point Likert scale, 1 = strongly disagree, 5 = strongly agree |
|  |  | How much do you agree or disagree with the following statements? - Getting sick with the coronavirus/COVID-19 can be serious | 5 point Likert scale, 1 = strongly disagree, 5 = strongly agree |
| Psychological  Predictors | Personal knowledge | How much do you feel you understand the government's strategy to deal with the coronavirus/COVID-19 pandemic? | 7 point Likert scale, 1 = not at all, 7 = very much |
|  | Social knowledge | To what extent do you think scientists have a good understanding of the coronavirus/COVID-19? | 7 point Likert scale, 1 = very limited understanding, 7 = very good understanding |
|  | Direct experience | Have you ever had, or thought you might have, the coronavirus/COVID-19?  - I think I might have COVID-19 at the moment, but I have not been tested.  - I think I might have had COVID-19, but I have not been tested, and have recovered.  - A doctor said I was a suspected COVID-19 patient, but I tested negative.  - A doctor said I was a suspected COVID-19 patient, but I have not yet had a confirmed test.  - A doctor confirmed I have COVID-19, and I am still infected.  - A doctor confirmed I had COVID-19, but I have recovered and now test negative.  - A doctor confirmed I had COVID-19, but I have recovered and haven’t been tested again.  - No  - Unsure | binary yes-no coding[[1]](#footnote-1) |
|  | Social amplification | Have you come across information about coronavirus/COVID-19 from: - Friends and family | binary yes-no coding |
|  | Prosociality | To what extent do you think it’s important to do things for the benefit of others and society even if they have some costs to you personally? | 7 point Likert scale, 1 = not at all, 7 = very much so |
|  | Individualism worldview | The government interferes far too much in our everyday lives. | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  |  | Sometimes government needs to make laws that keep people from hurting themselves. (Reverse coded) | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  |  | It's not the government's business to try to protect people from themselves. | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  |  | The government should stop telling people how to live their lives. | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  |  | The government should do more to advance society's goals, even if that means limiting the freedom and choices of individuals. (Reverse coded) | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  |  | Government should put limits on the choices individuals can make so they don't get in the way of what's good for society. (Reverse coded) | 6 point Likert scale, 1 = strongly disagree - 6 = strongly agree |
|  | Trust in government | How much do you trust the country’s politicians to deal effectively with the pandemic? | 7 point Likert scale, 1 = not at all, 7 = very much |
|  |  | - How much do you trust each of the following? - Politicians in the country you are living in | 5 point Likert scale, 1 = Cannot be trusted at all to 5 = Can be trusted a lot |
|  |  | How much do you trust each of the following? - The current government of the country you are living in | 5 point Likert scale, 1 = Cannot be trusted at all to 5 = Can be trusted a lot |
|  | Trust in science | How much do you trust each of the following? – Scientists | 5 point Likert scale, 1 = cannot be trusted at all to 5 = can be trusted a lot |
|  |  | How much do you trust each of the following? - Scientific knowledge | 5 point Likert scale, 1 = cannot be trusted at all to 5 = can be trusted a lot |
|  | Trust in medical professionals | How much do you trust each of the following? - Medical doctors and nurses | 5 point Likert scale, 1 = cannot be trusted at all to 5 = can be trusted a lot |
|  | Personal efficacy | To what extent do you feel that the personal actions you are taking to try to limit the spread of coronavirus make a difference? | 7 point Likert scale, 1 = not at all, 7 = very much |
|  | Collective efficacy | To what extent do you feel the actions that your country is taking to limit the spread of coronavirus make a difference? | 7 point Likert scale, 1 = not at all, 7 = very much |
|  |  | How effective do you think the official response has been up until now in the country you are living in, in dealing with the pandemic? | 7 point Likert scale, 1 = not at all, 7 = very much |
|  |  |  |  |
| Demographic  Predictors | Political ideology | Where do you feel your political views lie on a spectrum of left wing (or liberal) to right wing (or conservative)? | 7 point Likert scale, 1 = very left wing/ liberal, 7 = very right wing/ conservative |
|  | Gender | What is your gender? | Male, female, other, prefer not to say2 |
|  | Age | What is your age? | Free numeric text entry |
|  | Education | Please indicate your highest educational qualification | No formal education above age 16  Professional or technical qualifications above age 16  School education up to age 18  Degree (Bachelors) or equivalent  Degree (Masters) or other postgraduate qualification  Doctorate |

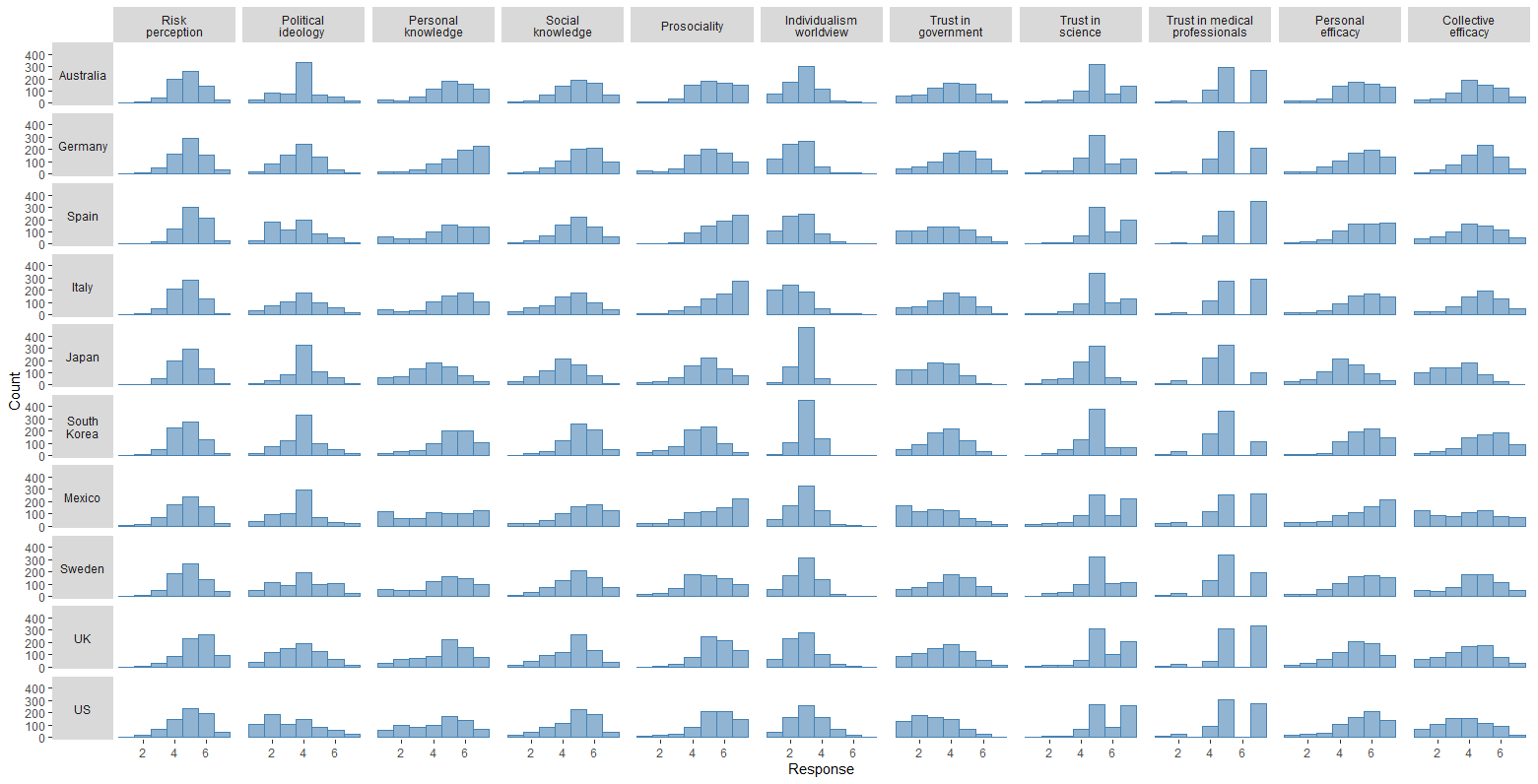
2 For analysis purposes, non-binary gender observations were removed

Table S3. Reliability indices for multi-item measures

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pooled | Australia | Germany | Spain | Italy | Japan | South Korea | Mexico | Sweden | UK | US |
| Risk perception (*α*) | .72 | .73 | .77 | .66 | .60 | .70 | .69 | .73 | .74 | .80 | .82 |
| Individualism worldview (*α*) | .75 | .78 | .79 | .77 | .79 | .53 | .31 | .53 | .73 | .81 | .86 |
| Trust in government (*α*) | .83 | .84 | .85 | .86 | .81 | .82 | .65 | .78 | .84 | .86 | .81 |
| Collective efficacy (*r*) | .71 | .71 | .53 | .74 | .67 | .76 | .78 | .80 | .62 | .66 | .61 |
| Trust in science (*r*) | .70 | .72 | .71 | .71 | .65 | .64 | .60 | .61 | .64 | .74 | .79 |

Cronbach’s alpha (*α*) is reported for measures with more than two items, Pearson’s correlation (*r*) for two-item measures

Figure S1. Distribution plots for whole sample and each country



Note: For consistency of reporting response scale were rescaled for all items to be on a 7 point scale. Hence, there are unusual patterns in items that were originally on a 5 point scale, e.g. trust in medical professionals. Please refer to Table S2 for a list of original response scales per item.

Table S4.

Zero order correlations - all countries combined

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.10\*\*\* | 0.01 | 0.02 | -0.05\*\*\* | 0.07\*\*\* | 0.05\*\*\* | 0.15\*\*\* | 0.14\*\*\* | 0.25\*\*\* | -0.27\*\*\* | 0 | 0.20\*\*\* | 0.19\*\*\* | 0.16\*\*\* | -0.02\* |
| 2 | Gender (men) | -0.10\*\*\* |  | 0 | 0.06\*\*\* | 0.04\*\* | 0.02 | 0.05\*\*\* | 0.03\* | -0.09\*\*\* | 0 | 0.10\*\*\* | 0 | 0.02\* | 0.02 | -0.05\*\*\* | 0.01 |
| 3 | Age | 0.01 | 0 |  | -0.07\*\*\* | 0.13\*\*\* | 0.10\*\*\* | 0.08\*\*\* | -0.08\*\*\* | -0.05\*\*\* | 0.11\*\*\* | -0.05\*\*\* | 0.06\*\*\* | 0.02 | 0.09\*\*\* | 0.09\*\*\* | 0.06\*\*\* |
| 4 | Education | 0.02 | 0.06\*\*\* | -0.07\*\*\* |  | -0.05\*\*\* | -0.01 | 0.01 | 0.03\* | 0.03\*\* | 0.08\*\*\* | 0 | -0.05\*\*\* | 0.12\*\*\* | 0.02 | 0.03\* | -0.05\*\*\* |
| 5 | Political ideology  (lib-con) | -0.05\*\*\* | 0.04\*\* | 0.13\*\*\* | -0.05\*\*\* |  | -0.02 | -0.03\*\* | -0.02 | -0.03\* | -0.09\*\*\* | 0.06\*\*\* | 0.01 | -0.14\*\*\* | -0.05\*\*\* | -0.05\*\*\* | 0.01 |
| 6 | Personal knowledge | 0.07\*\*\* | 0.02 | 0.10\*\*\* | -0.01 | -0.02 |  | 0.31\*\*\* | -0.04\*\* | 0.07\*\*\* | 0.15\*\*\* | -0.17\*\*\* | 0.55\*\*\* | 0.19\*\*\* | 0.19\*\*\* | 0.38\*\*\* | 0.63\*\*\* |
| 7 | Social knowledge | 0.05\*\*\* | 0.05\*\*\* | 0.08\*\*\* | 0.01 | -0.03\*\* | 0.31\*\*\* |  | -0.06\*\*\* | 0.07\*\*\* | 0.15\*\*\* | -0.07\*\*\* | 0.27\*\*\* | 0.32\*\*\* | 0.24\*\*\* | 0.32\*\*\* | 0.32\*\*\* |
| 8 | Direct experience | 0.15\*\*\* | 0.03\* | -0.08\*\*\* | 0.03\* | -0.02 | -0.04\*\* | -0.06\*\*\* |  | -0.03\*\* | 0.01 | -0.01 | -0.02 | -0.03\* | -0.07\*\*\* | -0.04\*\*\* | -0.04\*\* |
| 9 | Social amplification | 0.14\*\*\* | -0.09\*\*\* | -0.05\*\*\* | 0.03\*\* | -0.03\* | 0.07\*\*\* | 0.07\*\*\* | -0.03\*\* |  | 0.10\*\*\* | -0.07\*\*\* | 0.01 | 0.13\*\*\* | 0.10\*\*\* | 0.13\*\*\* | 0.05\*\*\* |
| 10 | Prosociality | 0.25\*\*\* | 0 | 0.11\*\*\* | 0.08\*\*\* | -0.09\*\*\* | 0.15\*\*\* | 0.15\*\*\* | 0.01 | 0.10\*\*\* |  | -0.38\*\*\* | 0.13\*\*\* | 0.27\*\*\* | 0.26\*\*\* | 0.24\*\*\* | 0.12\*\*\* |
| 11 | Individualism  worldview | -0.27\*\*\* | 0.10\*\*\* | -0.05\*\*\* | 0 | 0.06\*\*\* | -0.17\*\*\* | -0.07\*\*\* | -0.01 | -0.07\*\*\* | -0.38\*\*\* |  | -0.20\*\*\* | -0.20\*\*\* | -0.21\*\*\* | -0.22\*\*\* | -0.15\*\*\* |
| 12 | Trust in government | 0 | 0 | 0.06\*\*\* | -0.05\*\*\* | 0.01 | 0.55\*\*\* | 0.27\*\*\* | -0.02 | 0.01 | 0.13\*\*\* | -0.20\*\*\* |  | 0.21\*\*\* | 0.23\*\*\* | 0.30\*\*\* | 0.68\*\*\* |
| 13 | Trust in science | 0.20\*\*\* | 0.02\* | 0.02 | 0.12\*\*\* | -0.14\*\*\* | 0.19\*\*\* | 0.32\*\*\* | -0.03\* | 0.13\*\*\* | 0.27\*\*\* | -0.20\*\*\* | 0.21\*\*\* |  | 0.61\*\*\* | 0.30\*\*\* | 0.18\*\*\* |
| 14 | Trust in medical  professionals | 0.19\*\*\* | 0.02 | 0.09\*\*\* | 0.02 | -0.05\*\*\* | 0.19\*\*\* | 0.24\*\*\* | -0.07\*\*\* | 0.10\*\*\* | 0.26\*\*\* | -0.21\*\*\* | 0.23\*\*\* | 0.61\*\*\* |  | 0.27\*\*\* | 0.20\*\*\* |
| 15 | Personal efficacy | 0.16\*\*\* | -0.05\*\*\* | 0.09\*\*\* | 0.03\* | -0.05\*\*\* | 0.38\*\*\* | 0.32\*\*\* | -0.04\*\*\* | 0.13\*\*\* | 0.24\*\*\* | -0.22\*\*\* | 0.30\*\*\* | 0.30\*\*\* | 0.27\*\*\* |  | 0.48\*\*\* |
| 16 | Collective efficacy | -0.02\* | 0.01 | 0.06\*\*\* | -0.05\*\*\* | 0.01 | 0.63\*\*\* | 0.32\*\*\* | -0.04\*\* | 0.05\*\*\* | 0.12\*\*\* | -0.15\*\*\* | 0.68\*\*\* | 0.18\*\*\* | 0.20\*\*\* | 0.48\*\*\* |  |

Table S5.

Zero order correlations - Australia

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.11\*\* | 0.03 | 0.03 | -0.07 | 0.20\*\*\* | 0.09\* | 0.11\*\* | 0.18\*\*\* | 0.29\*\*\* | -0.25\*\*\* | 0.09\* | 0.16\*\*\* | 0.10\*\* | 0.22\*\*\* | 0.12\*\* |
| 2 | Gender (men) | -0.11\*\* |  | 0.01 | 0.11\*\* | 0.08\* | -0.02 | 0.06 | 0.08\* | -0.20\*\*\* | 0.02 | 0.11\*\* | 0 | 0 | 0 | -0.07 | -0.03 |
| 3 | Age | 0.03 | 0.01 |  | -0.20\*\*\* | 0.13\*\*\* | 0.15\*\*\* | 0.14\*\*\* | -0.17\*\*\* | -0.05 | 0.09\* | -0.10\*\* | 0.14\*\*\* | 0.09\* | 0.18\*\*\* | 0.16\*\*\* | 0.14\*\*\* |
| 4 | Education | 0.03 | 0.11\*\* | -0.20\*\*\* |  | -0.02 | 0.07 | 0.01 | 0.07 | 0.07 | 0.09\* | -0.05 | 0.06 | 0.12\*\* | -0.01 | 0.05 | 0 |
| 5 | Political ideology  (lib-con) | -0.07 | 0.08\* | 0.13\*\*\* | -0.02 |  | 0.10\* | -0.01 | -0.05 | -0.05 | -0.05 | 0.02 | 0.24\*\*\* | -0.06 | 0.05 | 0.01 | 0.17\*\*\* |
| 6 | Personal knowledge | 0.20\*\*\* | -0.02 | 0.15\*\*\* | 0.07 | 0.10\* |  | 0.40\*\*\* | 0.05 | 0.05 | 0.24\*\*\* | -0.13\*\*\* | 0.50\*\*\* | 0.23\*\*\* | 0.25\*\*\* | 0.52\*\*\* | 0.64\*\*\* |
| 7 | Social knowledge | 0.09\* | 0.06 | 0.14\*\*\* | 0.01 | -0.01 | 0.40\*\*\* |  | 0.05 | 0 | 0.31\*\*\* | -0.11\*\* | 0.38\*\*\* | 0.35\*\*\* | 0.28\*\*\* | 0.37\*\*\* | 0.43\*\*\* |
| 8 | Direct experience | 0.11\*\* | 0.08\* | -0.17\*\*\* | 0.07 | -0.05 | 0.05 | 0.05 |  | -0.02 | 0.08\* | 0.07 | 0.09\* | 0 | -0.10\*\* | 0.04 | 0.08\* |
| 9 | Social amplification | 0.18\*\*\* | -0.20\*\*\* | -0.05 | 0.07 | -0.05 | 0.05 | 0 | -0.02 |  | 0.03 | -0.10\* | 0.01 | 0.08\* | 0.06 | 0.06 | 0.02 |
| 10 | Prosociality | 0.29\*\*\* | 0.02 | 0.09\* | 0.09\* | -0.05 | 0.24\*\*\* | 0.31\*\*\* | 0.08\* | 0.03 |  | -0.39\*\*\* | 0.15\*\*\* | 0.23\*\*\* | 0.20\*\*\* | 0.38\*\*\* | 0.20\*\*\* |
| 11 | Individualism  worldview | -0.25\*\*\* | 0.11\*\* | -0.10\*\* | -0.05 | 0.02 | -0.13\*\*\* | -0.11\*\* | 0.07 | -0.10\* | -0.39\*\*\* |  | -0.18\*\*\* | -0.15\*\*\* | -0.18\*\*\* | -0.23\*\*\* | -0.15\*\*\* |
| 12 | Trust in government | 0.09\* | 0 | 0.14\*\*\* | 0.06 | 0.24\*\*\* | 0.50\*\*\* | 0.38\*\*\* | 0.09\* | 0.01 | 0.15\*\*\* | -0.18\*\*\* |  | 0.22\*\*\* | 0.26\*\*\* | 0.39\*\*\* | 0.70\*\*\* |
| 13 | Trust in science | 0.16\*\*\* | 0 | 0.09\* | 0.12\*\* | -0.06 | 0.23\*\*\* | 0.35\*\*\* | 0 | 0.08\* | 0.23\*\*\* | -0.15\*\*\* | 0.22\*\*\* |  | 0.57\*\*\* | 0.29\*\*\* | 0.19\*\*\* |
| 14 | Trust in medical  professionals | 0.10\*\* | 0 | 0.18\*\*\* | -0.01 | 0.05 | 0.25\*\*\* | 0.28\*\*\* | -0.10\*\* | 0.06 | 0.20\*\*\* | -0.18\*\*\* | 0.26\*\*\* | 0.57\*\*\* |  | 0.31\*\*\* | 0.27\*\*\* |
| 15 | Personal efficacy | 0.22\*\*\* | -0.07 | 0.16\*\*\* | 0.05 | 0.01 | 0.52\*\*\* | 0.37\*\*\* | 0.04 | 0.06 | 0.38\*\*\* | -0.23\*\*\* | 0.39\*\*\* | 0.29\*\*\* | 0.31\*\*\* |  | 0.54\*\*\* |
| 16 | Collective efficacy | 0.12\*\* | -0.03 | 0.14\*\*\* | 0 | 0.17\*\*\* | 0.64\*\*\* | 0.43\*\*\* | 0.08\* | 0.02 | 0.20\*\*\* | -0.15\*\*\* | 0.70\*\*\* | 0.19\*\*\* | 0.27\*\*\* | 0.54\*\*\* |  |

Table S6.

Zero order correlations - Germany

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.12\*\* | -0.07 | -0.01 | -0.05 | 0.20\*\*\* | 0.07 | 0.15\*\*\* | 0.12\*\* | 0.25\*\*\* | -0.37\*\*\* | 0.17\*\*\* | 0.17\*\*\* | 0.15\*\*\* | 0.27\*\*\* | 0.18\*\*\* |
| 2 | Gender (men) | -0.12\*\* |  | 0.01 | -0.02 | 0.10\*\* | -0.04 | 0.06 | -0.03 | -0.06 | -0.03 | 0.06 | -0.05 | 0.03 | 0.02 | -0.04 | -0.02 |
| 3 | Age | -0.07 | 0.01 |  | -0.08\* | 0.08\* | 0.10\*\* | 0.14\*\*\* | -0.15\*\*\* | -0.14\*\*\* | 0.02 | -0.12\*\* | 0.04 | -0.03 | 0.11\*\* | 0.05 | 0.03 |
| 4 | Education | -0.01 | -0.02 | -0.08\* |  | -0.08\* | 0.04 | 0.01 | 0.03 | 0.02 | 0.10\* | 0.02 | 0.09\* | 0.15\*\*\* | -0.02 | -0.01 | 0 |
| 5 | Political ideology  (lib-con) | -0.05 | 0.10\*\* | 0.08\* | -0.08\* |  | -0.11\*\* | -0.14\*\*\* | -0.06 | 0.02 | -0.11\*\* | 0.06 | -0.13\*\*\* | -0.15\*\*\* | -0.05 | -0.11\*\* | -0.11\*\* |
| 6 | Personal knowledge | 0.20\*\*\* | -0.04 | 0.10\*\* | 0.04 | -0.11\*\* |  | 0.43\*\*\* | 0 | 0 | 0.29\*\*\* | -0.30\*\*\* | 0.53\*\*\* | 0.35\*\*\* | 0.26\*\*\* | 0.42\*\*\* | 0.58\*\*\* |
| 7 | Social knowledge | 0.07 | 0.06 | 0.14\*\*\* | 0.01 | -0.14\*\*\* | 0.43\*\*\* |  | -0.04 | -0.03 | 0.28\*\*\* | -0.23\*\*\* | 0.38\*\*\* | 0.40\*\*\* | 0.34\*\*\* | 0.33\*\*\* | 0.43\*\*\* |
| 8 | Direct experience | 0.15\*\*\* | -0.03 | -0.15\*\*\* | 0.03 | -0.06 | 0 | -0.04 |  | -0.06 | 0.01 | 0.05 | -0.05 | 0 | -0.07 | -0.01 | -0.05 |
| 9 | Social amplification | 0.12\*\* | -0.06 | -0.14\*\*\* | 0.02 | 0.02 | 0 | -0.03 | -0.06 |  | 0.05 | -0.07 | -0.01 | 0.03 | 0.03 | 0.03 | 0.01 |
| 10 | Prosociality | 0.25\*\*\* | -0.03 | 0.02 | 0.10\* | -0.11\*\* | 0.29\*\*\* | 0.28\*\*\* | 0.01 | 0.05 |  | -0.35\*\*\* | 0.33\*\*\* | 0.29\*\*\* | 0.19\*\*\* | 0.23\*\*\* | 0.28\*\*\* |
| 11 | Individualism  worldview | -0.37\*\*\* | 0.06 | -0.12\*\* | 0.02 | 0.06 | -0.30\*\*\* | -0.23\*\*\* | 0.05 | -0.07 | -0.35\*\*\* |  | -0.35\*\*\* | -0.28\*\*\* | -0.27\*\*\* | -0.28\*\*\* | -0.32\*\*\* |
| 12 | Trust in government | 0.17\*\*\* | -0.05 | 0.04 | 0.09\* | -0.13\*\*\* | 0.53\*\*\* | 0.38\*\*\* | -0.05 | -0.01 | 0.33\*\*\* | -0.35\*\*\* |  | 0.49\*\*\* | 0.43\*\*\* | 0.34\*\*\* | 0.60\*\*\* |
| 13 | Trust in science | 0.17\*\*\* | 0.03 | -0.03 | 0.15\*\*\* | -0.15\*\*\* | 0.35\*\*\* | 0.40\*\*\* | 0 | 0.03 | 0.29\*\*\* | -0.28\*\*\* | 0.49\*\*\* |  | 0.55\*\*\* | 0.30\*\*\* | 0.38\*\*\* |
| 14 | Trust in medical  professionals | 0.15\*\*\* | 0.02 | 0.11\*\* | -0.02 | -0.05 | 0.26\*\*\* | 0.34\*\*\* | -0.07 | 0.03 | 0.19\*\*\* | -0.27\*\*\* | 0.43\*\*\* | 0.55\*\*\* |  | 0.28\*\*\* | 0.34\*\*\* |
| 15 | Personal efficacy | 0.27\*\*\* | -0.04 | 0.05 | -0.01 | -0.11\*\* | 0.42\*\*\* | 0.33\*\*\* | -0.01 | 0.03 | 0.23\*\*\* | -0.28\*\*\* | 0.34\*\*\* | 0.30\*\*\* | 0.28\*\*\* |  | 0.57\*\*\* |
| 16 | Collective efficacy | 0.18\*\*\* | -0.02 | 0.03 | 0 | -0.11\*\* | 0.58\*\*\* | 0.43\*\*\* | -0.05 | 0.01 | 0.28\*\*\* | -0.32\*\*\* | 0.60\*\*\* | 0.38\*\*\* | 0.34\*\*\* | 0.57\*\*\* |  |

Table S7.

Zero order correlations - Spain

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.18\*\*\* | 0 | 0.06 | 0 | 0.15\*\*\* | 0.11\*\* | 0.21\*\*\* | 0.20\*\*\* | 0.27\*\*\* | -0.30\*\*\* | -0.03 | 0.19\*\*\* | 0.17\*\*\* | 0.18\*\*\* | 0.04 |
| 2 | Gender (men) | -0.18\*\*\* |  | 0 | -0.02 | -0.01 | 0 | 0.02 | -0.09\* | -0.06 | -0.10\*\* | 0.15\*\*\* | -0.04 | 0.05 | 0.06 | 0 | -0.04 |
| 3 | Age | 0 | 0 |  | -0.16\*\*\* | 0.06 | 0 | 0.01 | -0.05 | 0.07 | 0.13\*\*\* | -0.04 | -0.07 | 0.07 | 0.11\*\* | 0.09\* | -0.04 |
| 4 | Education | 0.06 | -0.02 | -0.16\*\*\* |  | 0.02 | -0.03 | 0 | 0.06 | -0.05 | 0 | 0.02 | -0.03 | 0.05 | 0.08\* | -0.05 | -0.05 |
| 5 | Political ideology  (lib-con) | 0 | -0.01 | 0.06 | 0.02 |  | -0.23\*\*\* | -0.03 | -0.01 | -0.02 | -0.03 | 0.02 | -0.27\*\*\* | -0.13\*\*\* | -0.05 | -0.09\* | -0.19\*\*\* |
| 6 | Personal knowledge | 0.15\*\*\* | 0 | 0 | -0.03 | -0.23\*\*\* |  | 0.21\*\*\* | -0.04 | 0.07 | 0.21\*\*\* | -0.27\*\*\* | 0.59\*\*\* | 0.21\*\*\* | 0.12\*\* | 0.39\*\*\* | 0.64\*\*\* |
| 7 | Social knowledge | 0.11\*\* | 0.02 | 0.01 | 0 | -0.03 | 0.21\*\*\* |  | -0.03 | 0.09\* | 0.18\*\*\* | -0.14\*\*\* | 0.20\*\*\* | 0.33\*\*\* | 0.26\*\*\* | 0.29\*\*\* | 0.27\*\*\* |
| 8 | Direct experience | 0.21\*\*\* | -0.09\* | -0.05 | 0.06 | -0.01 | -0.04 | -0.03 |  | -0.07 | -0.04 | 0.01 | 0 | -0.03 | -0.02 | -0.05 | -0.03 |
| 9 | Social amplification | 0.20\*\*\* | -0.06 | 0.07 | -0.05 | -0.02 | 0.07 | 0.09\* | -0.07 |  | 0.19\*\*\* | -0.20\*\*\* | -0.01 | 0.11\*\* | 0.08\* | 0.12\*\* | 0.04 |
| 10 | Prosociality | 0.27\*\*\* | -0.10\*\* | 0.13\*\*\* | 0 | -0.03 | 0.21\*\*\* | 0.18\*\*\* | -0.04 | 0.19\*\*\* |  | -0.47\*\*\* | 0.16\*\*\* | 0.24\*\*\* | 0.26\*\*\* | 0.31\*\*\* | 0.25\*\*\* |
| 11 | Individualism  worldview | -0.30\*\*\* | 0.15\*\*\* | -0.04 | 0.02 | 0.02 | -0.27\*\*\* | -0.14\*\*\* | 0.01 | -0.20\*\*\* | -0.47\*\*\* |  | -0.29\*\*\* | -0.24\*\*\* | -0.19\*\*\* | -0.30\*\*\* | -0.32\*\*\* |
| 12 | Trust in government | -0.03 | -0.04 | -0.07 | -0.03 | -0.27\*\*\* | 0.59\*\*\* | 0.20\*\*\* | 0 | -0.01 | 0.16\*\*\* | -0.29\*\*\* |  | 0.22\*\*\* | 0.13\*\*\* | 0.32\*\*\* | 0.67\*\*\* |
| 13 | Trust in science | 0.19\*\*\* | 0.05 | 0.07 | 0.05 | -0.13\*\*\* | 0.21\*\*\* | 0.33\*\*\* | -0.03 | 0.11\*\* | 0.24\*\*\* | -0.24\*\*\* | 0.22\*\*\* |  | 0.65\*\*\* | 0.28\*\*\* | 0.22\*\*\* |
| 14 | Trust in medical  professionals | 0.17\*\*\* | 0.06 | 0.11\*\* | 0.08\* | -0.05 | 0.12\*\* | 0.26\*\*\* | -0.02 | 0.08\* | 0.26\*\*\* | -0.19\*\*\* | 0.13\*\*\* | 0.65\*\*\* |  | 0.24\*\*\* | 0.15\*\*\* |
| 15 | Personal efficacy | 0.18\*\*\* | 0 | 0.09\* | -0.05 | -0.09\* | 0.39\*\*\* | 0.29\*\*\* | -0.05 | 0.12\*\* | 0.31\*\*\* | -0.30\*\*\* | 0.32\*\*\* | 0.28\*\*\* | 0.24\*\*\* |  | 0.54\*\*\* |
| 16 | Collective efficacy | 0.04 | -0.04 | -0.04 | -0.05 | -0.19\*\*\* | 0.64\*\*\* | 0.27\*\*\* | -0.03 | 0.04 | 0.25\*\*\* | -0.32\*\*\* | 0.67\*\*\* | 0.22\*\*\* | 0.15\*\*\* | 0.54\*\*\* |  |

Table S8.

Zero order correlations - Italy

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.04 | -0.04 | 0.07 | 0.01 | 0.11\*\* | -0.02 | 0.21\*\*\* | 0.09\* | 0.31\*\*\* | -0.29\*\*\* | 0.07 | 0.13\*\* | 0.14\*\*\* | 0.14\*\*\* | 0.10\*\* |
| 2 | Gender (men) | -0.04 |  | 0 | 0 | 0.01 | -0.05 | 0.05 | 0.11\*\* | -0.07 | -0.07 | 0.13\*\*\* | -0.08 | -0.05 | -0.05 | -0.13\*\* | -0.07 |
| 3 | Age | -0.04 | 0 |  | -0.12\*\* | 0.06 | 0.01 | -0.11\*\* | -0.06 | 0.03 | 0.20\*\*\* | -0.13\*\* | -0.01 | 0.10\* | 0.15\*\*\* | 0.14\*\* | 0.07 |
| 4 | Education | 0.07 | 0 | -0.12\*\* |  | -0.07 | 0.08\* | 0.06 | 0.03 | 0.05 | 0.01 | 0.01 | 0.06 | 0.09\* | -0.05 | 0.03 | 0.02 |
| 5 | Political ideology  (lib-con) | 0.01 | 0.01 | 0.06 | -0.07 |  | -0.13\*\* | 0 | 0.01 | -0.04 | -0.06 | 0.09\* | -0.22\*\*\* | -0.10\* | -0.04 | -0.13\*\* | -0.20\*\*\* |
| 6 | Personal knowledge | 0.11\*\* | -0.05 | 0.01 | 0.08\* | -0.13\*\* |  | 0.18\*\*\* | -0.04 | 0.11\*\* | 0.27\*\*\* | -0.31\*\*\* | 0.54\*\*\* | 0.30\*\*\* | 0.24\*\*\* | 0.53\*\*\* | 0.61\*\*\* |
| 7 | Social knowledge | -0.02 | 0.05 | -0.11\*\* | 0.06 | 0 | 0.18\*\*\* |  | -0.01 | 0.04 | 0.04 | 0.03 | 0.21\*\*\* | 0.22\*\*\* | 0.08\* | 0.17\*\*\* | 0.24\*\*\* |
| 8 | Direct experience | 0.21\*\*\* | 0.11\*\* | -0.06 | 0.03 | 0.01 | -0.04 | -0.01 |  | -0.05 | 0.02 | 0.06 | -0.02 | -0.05 | -0.06 | -0.05 | -0.03 |
| 9 | Social amplification | 0.09\* | -0.07 | 0.03 | 0.05 | -0.04 | 0.11\*\* | 0.04 | -0.05 |  | 0.17\*\*\* | -0.13\*\*\* | 0.04 | 0.09\* | 0.09\* | 0.14\*\*\* | 0.11\*\* |
| 10 | Prosociality | 0.31\*\*\* | -0.07 | 0.20\*\*\* | 0.01 | -0.06 | 0.27\*\*\* | 0.04 | 0.02 | 0.17\*\*\* |  | -0.48\*\*\* | 0.15\*\*\* | 0.21\*\*\* | 0.28\*\*\* | 0.25\*\*\* | 0.23\*\*\* |
| 11 | Individualism  worldview | -0.29\*\*\* | 0.13\*\*\* | -0.13\*\* | 0.01 | 0.09\* | -0.31\*\*\* | 0.03 | 0.06 | -0.13\*\*\* | -0.48\*\*\* |  | -0.24\*\*\* | -0.27\*\*\* | -0.28\*\*\* | -0.33\*\*\* | -0.30\*\*\* |
| 12 | Trust in government | 0.07 | -0.08 | -0.01 | 0.06 | -0.22\*\*\* | 0.54\*\*\* | 0.21\*\*\* | -0.02 | 0.04 | 0.15\*\*\* | -0.24\*\*\* |  | 0.34\*\*\* | 0.27\*\*\* | 0.41\*\*\* | 0.64\*\*\* |
| 13 | Trust in science | 0.13\*\* | -0.05 | 0.10\* | 0.09\* | -0.10\* | 0.30\*\*\* | 0.22\*\*\* | -0.05 | 0.09\* | 0.21\*\*\* | -0.27\*\*\* | 0.34\*\*\* |  | 0.59\*\*\* | 0.37\*\*\* | 0.33\*\*\* |
| 14 | Trust in medical  professionals | 0.14\*\*\* | -0.05 | 0.15\*\*\* | -0.05 | -0.04 | 0.24\*\*\* | 0.08\* | -0.06 | 0.09\* | 0.28\*\*\* | -0.28\*\*\* | 0.27\*\*\* | 0.59\*\*\* |  | 0.31\*\*\* | 0.27\*\*\* |
| 15 | Personal efficacy | 0.14\*\*\* | -0.13\*\* | 0.14\*\* | 0.03 | -0.13\*\* | 0.53\*\*\* | 0.17\*\*\* | -0.05 | 0.14\*\*\* | 0.25\*\*\* | -0.33\*\*\* | 0.41\*\*\* | 0.37\*\*\* | 0.31\*\*\* |  | 0.68\*\*\* |
| 16 | Collective efficacy | 0.10\*\* | -0.07 | 0.07 | 0.02 | -0.20\*\*\* | 0.61\*\*\* | 0.24\*\*\* | -0.03 | 0.11\*\* | 0.23\*\*\* | -0.30\*\*\* | 0.64\*\*\* | 0.33\*\*\* | 0.27\*\*\* | 0.68\*\*\* |  |

Table S9.

Zero order correlations - Japan

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.12\*\* | -0.06 | -0.03 | 0 | 0.05 | 0 | 0.14\*\*\* | 0.15\*\*\* | 0.14\*\*\* | -0.22\*\*\* | -0.12\*\* | 0.08\* | 0.14\*\*\* | 0.04 | -0.16\*\*\* |
| 2 | Gender (men) | -0.12\*\* |  | 0 | 0.14\*\*\* | -0.02 | -0.02 | -0.01 | 0.02 | -0.18\*\*\* | 0.04 | 0.04 | 0 | -0.01 | -0.09\* | -0.05 | 0.03 |
| 3 | Age | -0.06 | 0 |  | -0.05 | 0.04 | 0.10\* | 0.16\*\*\* | 0.01 | 0.01 | 0.26\*\*\* | -0.05 | 0.03 | 0.03 | 0.01 | 0.05 | 0.02 |
| 4 | Education | -0.03 | 0.14\*\*\* | -0.05 |  | -0.03 | 0.08\* | 0.06 | -0.03 | 0.05 | 0.16\*\*\* | -0.05 | 0.06 | 0.18\*\*\* | 0.04 | 0.06 | 0.04 |
| 5 | Political ideology  (lib-con) | 0 | -0.02 | 0.04 | -0.03 |  | 0.03 | 0.08\* | -0.03 | 0.04 | 0.02 | -0.15\*\*\* | 0.20\*\*\* | 0.03 | 0.05 | 0.03 | 0.12\*\* |
| 6 | Personal knowledge | 0.05 | -0.02 | 0.10\* | 0.08\* | 0.03 |  | 0.32\*\*\* | -0.06 | 0.05 | 0.22\*\*\* | -0.12\*\* | 0.37\*\*\* | 0.22\*\*\* | 0.19\*\*\* | 0.39\*\*\* | 0.39\*\*\* |
| 7 | Social knowledge | 0 | -0.01 | 0.16\*\*\* | 0.06 | 0.08\* | 0.32\*\*\* |  | -0.16\*\*\* | 0.05 | 0.23\*\*\* | -0.08\* | 0.28\*\*\* | 0.41\*\*\* | 0.27\*\*\* | 0.34\*\*\* | 0.31\*\*\* |
| 8 | Direct experience | 0.14\*\*\* | 0.02 | 0.01 | -0.03 | -0.03 | -0.06 | -0.16\*\*\* |  | -0.04 | -0.08\* | 0.09\* | -0.03 | -0.04 | -0.11\*\* | -0.07 | -0.07 |
| 9 | Social amplification | 0.15\*\*\* | -0.18\*\*\* | 0.01 | 0.05 | 0.04 | 0.05 | 0.05 | -0.04 |  | 0.14\*\*\* | -0.09\* | 0.03 | 0.18\*\*\* | 0.19\*\*\* | 0.10\*\* | 0.01 |
| 10 | Prosociality | 0.14\*\*\* | 0.04 | 0.26\*\*\* | 0.16\*\*\* | 0.02 | 0.22\*\*\* | 0.23\*\*\* | -0.08\* | 0.14\*\*\* |  | -0.30\*\*\* | 0.11\*\* | 0.26\*\*\* | 0.26\*\*\* | 0.26\*\*\* | 0.12\*\* |
| 11 | Individualism  worldview | -0.22\*\*\* | 0.04 | -0.05 | -0.05 | -0.15\*\*\* | -0.12\*\* | -0.08\* | 0.09\* | -0.09\* | -0.30\*\*\* |  | 0.01 | -0.15\*\*\* | -0.19\*\*\* | -0.17\*\*\* | 0.04 |
| 12 | Trust in government | -0.12\*\* | 0 | 0.03 | 0.06 | 0.20\*\*\* | 0.37\*\*\* | 0.28\*\*\* | -0.03 | 0.03 | 0.11\*\* | 0.01 |  | 0.31\*\*\* | 0.24\*\*\* | 0.28\*\*\* | 0.73\*\*\* |
| 13 | Trust in science | 0.08\* | -0.01 | 0.03 | 0.18\*\*\* | 0.03 | 0.22\*\*\* | 0.41\*\*\* | -0.04 | 0.18\*\*\* | 0.26\*\*\* | -0.15\*\*\* | 0.31\*\*\* |  | 0.54\*\*\* | 0.33\*\*\* | 0.25\*\*\* |
| 14 | Trust in medical  professionals | 0.14\*\*\* | -0.09\* | 0.01 | 0.04 | 0.05 | 0.19\*\*\* | 0.27\*\*\* | -0.11\*\* | 0.19\*\*\* | 0.26\*\*\* | -0.19\*\*\* | 0.24\*\*\* | 0.54\*\*\* |  | 0.28\*\*\* | 0.19\*\*\* |
| 15 | Personal efficacy | 0.04 | -0.05 | 0.05 | 0.06 | 0.03 | 0.39\*\*\* | 0.34\*\*\* | -0.07 | 0.10\*\* | 0.26\*\*\* | -0.17\*\*\* | 0.28\*\*\* | 0.33\*\*\* | 0.28\*\*\* |  | 0.42\*\*\* |
| 16 | Collective efficacy | -0.16\*\*\* | 0.03 | 0.02 | 0.04 | 0.12\*\* | 0.39\*\*\* | 0.31\*\*\* | -0.07 | 0.01 | 0.12\*\* | 0.04 | 0.73\*\*\* | 0.25\*\*\* | 0.19\*\*\* | 0.42\*\*\* |  |

Table S10.

Zero order correlations – South Korea

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.04 | 0.11\*\* | 0 | 0.16\*\*\* | 0.09\* | 0.13\*\*\* | 0.15\*\*\* | 0.12\*\* | 0.08\* | -0.05 | -0.14\*\*\* | 0.21\*\*\* | 0.21\*\*\* | 0.16\*\*\* | 0 |
| 2 | Gender (men) | -0.04 |  | 0 | 0.09\* | -0.01 | 0.03 | 0.12\*\* | 0.08\* | -0.06 | 0.09\* | 0.03 | -0.04 | 0.10\*\* | 0.06 | 0.05 | 0.02 |
| 3 | Age | 0.11\*\* | 0 |  | 0.08\* | 0.17\*\*\* | 0.10\*\* | 0.14\*\*\* | -0.01 | -0.01 | 0.20\*\*\* | 0 | -0.04 | 0.18\*\*\* | 0.16\*\*\* | 0.12\*\*\* | 0.05 |
| 4 | Education | 0 | 0.09\* | 0.08\* |  | 0.07 | 0.06 | 0.10\* | -0.09\* | 0.02 | 0.12\*\* | -0.02 | 0 | 0.07\* | 0.05 | 0.09\* | 0.04 |
| 5 | Political ideology  (lib-con) | 0.16\*\*\* | -0.01 | 0.17\*\*\* | 0.07 |  | -0.23\*\*\* | -0.04 | 0.01 | -0.02 | 0 | 0.13\*\*\* | -0.28\*\*\* | 0.06 | 0.05 | -0.09\* | -0.28\*\*\* |
| 6 | Personal knowledge | 0.09\* | 0.03 | 0.10\*\* | 0.06 | -0.23\*\*\* |  | 0.39\*\*\* | -0.01 | 0.15\*\*\* | 0.23\*\*\* | -0.30\*\*\* | 0.50\*\*\* | 0.29\*\*\* | 0.24\*\*\* | 0.54\*\*\* | 0.71\*\*\* |
| 7 | Social knowledge | 0.13\*\*\* | 0.12\*\* | 0.14\*\*\* | 0.10\* | -0.04 | 0.39\*\*\* |  | -0.02 | 0.11\*\* | 0.25\*\*\* | -0.15\*\*\* | 0.23\*\*\* | 0.42\*\*\* | 0.34\*\*\* | 0.38\*\*\* | 0.31\*\*\* |
| 8 | Direct experience | 0.15\*\*\* | 0.08\* | -0.01 | -0.09\* | 0.01 | -0.01 | -0.02 |  | -0.08\* | 0.02 | 0.05 | -0.01 | 0.03 | 0.01 | 0 | 0 |
| 9 | Social amplification | 0.12\*\* | -0.06 | -0.01 | 0.02 | -0.02 | 0.15\*\*\* | 0.11\*\* | -0.08\* |  | 0.03 | -0.12\*\* | 0.01 | 0.18\*\*\* | 0.13\*\*\* | 0.27\*\*\* | 0.19\*\*\* |
| 10 | Prosociality | 0.08\* | 0.09\* | 0.20\*\*\* | 0.12\*\* | 0 | 0.23\*\*\* | 0.25\*\*\* | 0.02 | 0.03 |  | -0.19\*\*\* | 0.24\*\*\* | 0.18\*\*\* | 0.15\*\*\* | 0.13\*\*\* | 0.18\*\*\* |
| 11 | Individualism  worldview | -0.05 | 0.03 | 0 | -0.02 | 0.13\*\*\* | -0.30\*\*\* | -0.15\*\*\* | 0.05 | -0.12\*\* | -0.19\*\*\* |  | -0.25\*\*\* | -0.13\*\*\* | -0.13\*\*\* | -0.29\*\*\* | -0.36\*\*\* |
| 12 | Trust in government | -0.14\*\*\* | -0.04 | -0.04 | 0 | -0.28\*\*\* | 0.50\*\*\* | 0.23\*\*\* | -0.01 | 0.01 | 0.24\*\*\* | -0.25\*\*\* |  | 0.13\*\*\* | 0.14\*\*\* | 0.23\*\*\* | 0.53\*\*\* |
| 13 | Trust in science | 0.21\*\*\* | 0.10\*\* | 0.18\*\*\* | 0.07\* | 0.06 | 0.29\*\*\* | 0.42\*\*\* | 0.03 | 0.18\*\*\* | 0.18\*\*\* | -0.13\*\*\* | 0.13\*\*\* |  | 0.59\*\*\* | 0.40\*\*\* | 0.21\*\*\* |
| 14 | Trust in medical  professionals | 0.21\*\*\* | 0.06 | 0.16\*\*\* | 0.05 | 0.05 | 0.24\*\*\* | 0.34\*\*\* | 0.01 | 0.13\*\*\* | 0.15\*\*\* | -0.13\*\*\* | 0.14\*\*\* | 0.59\*\*\* |  | 0.32\*\*\* | 0.20\*\*\* |
| 15 | Personal efficacy | 0.16\*\*\* | 0.05 | 0.12\*\*\* | 0.09\* | -0.09\* | 0.54\*\*\* | 0.38\*\*\* | 0 | 0.27\*\*\* | 0.13\*\*\* | -0.29\*\*\* | 0.23\*\*\* | 0.40\*\*\* | 0.32\*\*\* |  | 0.58\*\*\* |
| 16 | Collective efficacy | 0 | 0.02 | 0.05 | 0.04 | -0.28\*\*\* | 0.71\*\*\* | 0.31\*\*\* | 0 | 0.19\*\*\* | 0.18\*\*\* | -0.36\*\*\* | 0.53\*\*\* | 0.21\*\*\* | 0.20\*\*\* | 0.58\*\*\* |  |

Table S11.

Zero order correlations – Mexico

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.06 | 0.08\* | 0.09\* | 0.12\*\* | -0.05 | 0.11\*\* | 0.14\*\*\* | 0.09\* | 0.24\*\*\* | -0.23\*\*\* | -0.09\* | 0.19\*\*\* | 0.15\*\*\* | 0.13\*\* | -0.13\*\*\* |
| 2 | Gender (men) | -0.06 |  | 0.03 | 0.11\*\* | -0.11\*\* | 0.10\*\* | 0.05 | 0.10\*\* | 0.04 | 0.12\*\* | 0.06 | 0.15\*\*\* | 0.10\* | 0.11\*\* | -0.05 | 0.07 |
| 3 | Age | 0.08\* | 0.03 |  | 0.09\* | 0.14\*\*\* | 0.01 | 0.13\*\* | -0.01 | 0.08 | 0.18\*\*\* | -0.04 | -0.06 | 0.07 | 0.10\* | 0.14\*\*\* | -0.05 |
| 4 | Education | 0.09\* | 0.11\*\* | 0.09\* |  | 0.11\*\* | -0.03 | 0.09\* | -0.05 | -0.03 | 0.14\*\*\* | -0.10\*\* | -0.13\*\*\* | 0.16\*\*\* | 0.05 | 0.07 | -0.12\*\* |
| 5 | Political ideology  (lib-con) | 0.12\*\* | -0.11\*\* | 0.14\*\*\* | 0.11\*\* |  | -0.13\*\*\* | 0.03 | 0.05 | 0.01 | 0.12\*\* | -0.05 | -0.18\*\*\* | 0.03 | 0.01 | 0.02 | -0.13\*\* |
| 6 | Personal knowledge | -0.05 | 0.10\*\* | 0.01 | -0.03 | -0.13\*\*\* |  | 0.19\*\*\* | -0.04 | 0.07 | 0.07 | 0 | 0.58\*\*\* | 0.06 | 0.13\*\*\* | 0.31\*\*\* | 0.68\*\*\* |
| 7 | Social knowledge | 0.11\*\* | 0.05 | 0.13\*\* | 0.09\* | 0.03 | 0.19\*\*\* |  | 0 | 0.08\* | 0.13\*\*\* | -0.06 | 0.20\*\*\* | 0.20\*\*\* | 0.20\*\*\* | 0.33\*\*\* | 0.23\*\*\* |
| 8 | Direct experience | 0.14\*\*\* | 0.10\*\* | -0.01 | -0.05 | 0.05 | -0.04 | 0 |  | -0.04 | 0.04 | -0.01 | 0.02 | -0.01 | -0.10\*\* | -0.06 | -0.04 |
| 9 | Social amplification | 0.09\* | 0.04 | 0.08 | -0.03 | 0.01 | 0.07 | 0.08\* | -0.04 |  | 0.12\*\* | -0.06 | 0.05 | 0.07 | 0.07 | 0.09\* | 0.03 |
| 10 | Prosociality | 0.24\*\*\* | 0.12\*\* | 0.18\*\*\* | 0.14\*\*\* | 0.12\*\* | 0.07 | 0.13\*\*\* | 0.04 | 0.12\*\* |  | -0.35\*\*\* | 0.05 | 0.20\*\*\* | 0.13\*\*\* | 0.21\*\*\* | 0.03 |
| 11 | Individualism  worldview | -0.23\*\*\* | 0.06 | -0.04 | -0.10\*\* | -0.05 | 0 | -0.06 | -0.01 | -0.06 | -0.35\*\*\* |  | -0.02 | -0.17\*\*\* | -0.12\*\* | -0.16\*\*\* | 0.05 |
| 12 | Trust in government | -0.09\* | 0.15\*\*\* | -0.06 | -0.13\*\*\* | -0.18\*\*\* | 0.58\*\*\* | 0.20\*\*\* | 0.02 | 0.05 | 0.05 | -0.02 |  | 0.11\*\* | 0.17\*\*\* | 0.23\*\*\* | 0.71\*\*\* |
| 13 | Trust in science | 0.19\*\*\* | 0.10\* | 0.07 | 0.16\*\*\* | 0.03 | 0.06 | 0.20\*\*\* | -0.01 | 0.07 | 0.20\*\*\* | -0.17\*\*\* | 0.11\*\* |  | 0.60\*\*\* | 0.24\*\*\* | 0.06 |
| 14 | Trust in medical  professionals | 0.15\*\*\* | 0.11\*\* | 0.10\* | 0.05 | 0.01 | 0.13\*\*\* | 0.20\*\*\* | -0.10\*\* | 0.07 | 0.13\*\*\* | -0.12\*\* | 0.17\*\*\* | 0.60\*\*\* |  | 0.21\*\*\* | 0.14\*\*\* |
| 15 | Personal efficacy | 0.13\*\* | -0.05 | 0.14\*\*\* | 0.07 | 0.02 | 0.31\*\*\* | 0.33\*\*\* | -0.06 | 0.09\* | 0.21\*\*\* | -0.16\*\*\* | 0.23\*\*\* | 0.24\*\*\* | 0.21\*\*\* |  | 0.38\*\*\* |
| 16 | Collective efficacy | -0.13\*\*\* | 0.07 | -0.05 | -0.12\*\* | -0.13\*\* | 0.68\*\*\* | 0.23\*\*\* | -0.04 | 0.03 | 0.03 | 0.05 | 0.71\*\*\* | 0.06 | 0.14\*\*\* | 0.38\*\*\* |  |

Table S12.

Zero order correlations – Sweden

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.12\*\* | 0.12\*\* | -0.04 | 0.02 | 0.07 | 0.12\*\* | 0.06 | 0.22\*\*\* | 0.26\*\*\* | -0.35\*\*\* | 0.08\* | 0.19\*\*\* | 0.17\*\*\* | 0.32\*\*\* | 0.08\* |
| 2 | Gender (men) | -0.12\*\* |  | 0.02 | 0.07 | 0.13\*\* | -0.01 | -0.07 | 0.06 | -0.14\*\*\* | -0.02 | 0.19\*\*\* | -0.07 | -0.07 | -0.01 | -0.05 | 0.02 |
| 3 | Age | 0.12\*\* | 0.02 |  | -0.10\* | 0.13\*\*\* | 0.16\*\*\* | 0.18\*\*\* | -0.19\*\*\* | 0.01 | 0.04 | -0.08\* | 0.07 | 0.09\* | 0.15\*\*\* | 0.14\*\*\* | 0.08\* |
| 4 | Education | -0.04 | 0.07 | -0.10\* |  | -0.02 | 0.06 | -0.08\* | 0.12\*\* | 0.02 | 0.08\* | 0.01 | 0.08\* | 0.08\* | 0.07 | 0.02 | 0.06 |
| 5 | Political ideology  (lib-con) | 0.02 | 0.13\*\* | 0.13\*\*\* | -0.02 |  | -0.13\*\*\* | 0 | -0.07 | -0.01 | -0.10\* | 0.02 | -0.26\*\*\* | -0.06 | 0.01 | -0.02 | -0.18\*\*\* |
| 6 | Personal knowledge | 0.07 | -0.01 | 0.16\*\*\* | 0.06 | -0.13\*\*\* |  | 0.43\*\*\* | -0.06 | 0.08\* | 0.17\*\*\* | -0.01 | 0.61\*\*\* | 0.27\*\*\* | 0.28\*\*\* | 0.29\*\*\* | 0.69\*\*\* |
| 7 | Social knowledge | 0.12\*\* | -0.07 | 0.18\*\*\* | -0.08\* | 0 | 0.43\*\*\* |  | -0.08\* | 0.11\*\* | 0.16\*\*\* | -0.07 | 0.36\*\*\* | 0.35\*\*\* | 0.29\*\*\* | 0.38\*\*\* | 0.46\*\*\* |
| 8 | Direct experience | 0.06 | 0.06 | -0.19\*\*\* | 0.12\*\* | -0.07 | -0.06 | -0.08\* |  | 0.02 | 0.04 | -0.01 | -0.05 | -0.03 | -0.11\*\* | -0.07 | -0.03 |
| 9 | Social amplification | 0.22\*\*\* | -0.14\*\*\* | 0.01 | 0.02 | -0.01 | 0.08\* | 0.11\*\* | 0.02 |  | 0.16\*\*\* | -0.14\*\*\* | 0.09\* | 0.16\*\*\* | 0.09\* | 0.19\*\*\* | 0.08\* |
| 10 | Prosociality | 0.26\*\*\* | -0.02 | 0.04 | 0.08\* | -0.10\* | 0.17\*\*\* | 0.16\*\*\* | 0.04 | 0.16\*\*\* |  | -0.32\*\*\* | 0.25\*\*\* | 0.23\*\*\* | 0.19\*\*\* | 0.26\*\*\* | 0.21\*\*\* |
| 11 | Individualism  worldview | -0.35\*\*\* | 0.19\*\*\* | -0.08\* | 0.01 | 0.02 | -0.01 | -0.07 | -0.01 | -0.14\*\*\* | -0.32\*\*\* |  | -0.11\*\* | -0.24\*\*\* | -0.22\*\*\* | -0.21\*\*\* | -0.06 |
| 12 | Trust in government | 0.08\* | -0.07 | 0.07 | 0.08\* | -0.26\*\*\* | 0.61\*\*\* | 0.36\*\*\* | -0.05 | 0.09\* | 0.25\*\*\* | -0.11\*\* |  | 0.42\*\*\* | 0.38\*\*\* | 0.32\*\*\* | 0.72\*\*\* |
| 13 | Trust in science | 0.19\*\*\* | -0.07 | 0.09\* | 0.08\* | -0.06 | 0.27\*\*\* | 0.35\*\*\* | -0.03 | 0.16\*\*\* | 0.23\*\*\* | -0.24\*\*\* | 0.42\*\*\* |  | 0.62\*\*\* | 0.31\*\*\* | 0.33\*\*\* |
| 14 | Trust in medical  professionals | 0.17\*\*\* | -0.01 | 0.15\*\*\* | 0.07 | 0.01 | 0.28\*\*\* | 0.29\*\*\* | -0.11\*\* | 0.09\* | 0.19\*\*\* | -0.22\*\*\* | 0.38\*\*\* | 0.62\*\*\* |  | 0.31\*\*\* | 0.35\*\*\* |
| 15 | Personal efficacy | 0.32\*\*\* | -0.05 | 0.14\*\*\* | 0.02 | -0.02 | 0.29\*\*\* | 0.38\*\*\* | -0.07 | 0.19\*\*\* | 0.26\*\*\* | -0.21\*\*\* | 0.32\*\*\* | 0.31\*\*\* | 0.31\*\*\* |  | 0.45\*\*\* |
| 16 | Collective efficacy | 0.08\* | 0.02 | 0.08\* | 0.06 | -0.18\*\*\* | 0.69\*\*\* | 0.46\*\*\* | -0.03 | 0.08\* | 0.21\*\*\* | -0.06 | 0.72\*\*\* | 0.33\*\*\* | 0.35\*\*\* | 0.45\*\*\* |  |

Table S13.

Zero order correlations – UK

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.13\*\*\* | -0.05 | 0.02 | -0.13\*\*\* | 0.02 | -0.03 | 0.14\*\*\* | 0.10\*\* | 0.28\*\*\* | -0.29\*\*\* | -0.02 | 0.18\*\*\* | 0.17\*\*\* | 0.11\*\* | -0.06 |
| 2 | Gender (men) | -0.13\*\*\* |  | -0.04 | 0.08\* | 0.03 | 0.07 | 0.12\*\* | 0.06 | -0.09\* | -0.04 | 0.14\*\*\* | -0.02 | 0.08\* | 0.03 | -0.09\* | 0.04 |
| 3 | Age | -0.05 | -0.04 |  | -0.14\*\*\* | 0.23\*\*\* | 0.17\*\*\* | 0.12\*\* | -0.16\*\*\* | -0.19\*\*\* | 0.07 | -0.03 | 0.21\*\*\* | -0.06 | 0.06 | 0.09\* | 0.18\*\*\* |
| 4 | Education | 0.02 | 0.08\* | -0.14\*\*\* |  | -0.19\*\*\* | -0.08\* | 0.02 | 0.08\* | 0.09\* | 0.08\* | -0.07 | -0.14\*\*\* | 0.11\*\* | -0.01 | 0.03 | -0.15\*\*\* |
| 5 | Political ideology  (lib-con) | -0.13\*\*\* | 0.03 | 0.23\*\*\* | -0.19\*\*\* |  | 0.24\*\*\* | 0.02 | -0.05 | -0.01 | -0.13\*\*\* | 0.02 | 0.39\*\*\* | -0.14\*\*\* | -0.07 | 0.04 | 0.31\*\*\* |
| 6 | Personal knowledge | 0.02 | 0.07 | 0.17\*\*\* | -0.08\* | 0.24\*\*\* |  | 0.27\*\*\* | -0.10\* | 0.06 | 0.06 | -0.13\*\*\* | 0.51\*\*\* | 0.21\*\*\* | 0.17\*\*\* | 0.29\*\*\* | 0.54\*\*\* |
| 7 | Social knowledge | -0.03 | 0.12\*\* | 0.12\*\* | 0.02 | 0.02 | 0.27\*\*\* |  | -0.06 | -0.03 | 0.08\* | -0.04 | 0.23\*\*\* | 0.26\*\*\* | 0.18\*\*\* | 0.24\*\*\* | 0.28\*\*\* |
| 8 | Direct experience | 0.14\*\*\* | 0.06 | -0.16\*\*\* | 0.08\* | -0.05 | -0.10\* | -0.06 |  | 0.05 | 0 | 0.01 | -0.09\* | -0.04 | -0.08\* | -0.03 | -0.09\* |
| 9 | Social amplification | 0.10\*\* | -0.09\* | -0.19\*\*\* | 0.09\* | -0.01 | 0.06 | -0.03 | 0.05 |  | 0.01 | 0.02 | 0.01 | 0.05 | 0 | 0.06 | 0.03 |
| 10 | Prosociality | 0.28\*\*\* | -0.04 | 0.07 | 0.08\* | -0.13\*\*\* | 0.06 | 0.08\* | 0 | 0.01 |  | -0.33\*\*\* | 0.05 | 0.17\*\*\* | 0.20\*\*\* | 0.16\*\*\* | 0.04 |
| 11 | Individualism  worldview | -0.29\*\*\* | 0.14\*\*\* | -0.03 | -0.07 | 0.02 | -0.13\*\*\* | -0.04 | 0.01 | 0.02 | -0.33\*\*\* |  | -0.21\*\*\* | -0.17\*\*\* | -0.18\*\*\* | -0.23\*\*\* | -0.13\*\*\* |
| 12 | Trust in government | -0.02 | -0.02 | 0.21\*\*\* | -0.14\*\*\* | 0.39\*\*\* | 0.51\*\*\* | 0.23\*\*\* | -0.09\* | 0.01 | 0.05 | -0.21\*\*\* |  | 0.17\*\*\* | 0.22\*\*\* | 0.26\*\*\* | 0.67\*\*\* |
| 13 | Trust in science | 0.18\*\*\* | 0.08\* | -0.06 | 0.11\*\* | -0.14\*\*\* | 0.21\*\*\* | 0.26\*\*\* | -0.04 | 0.05 | 0.17\*\*\* | -0.17\*\*\* | 0.17\*\*\* |  | 0.58\*\*\* | 0.21\*\*\* | 0.15\*\*\* |
| 14 | Trust in medical  professionals | 0.17\*\*\* | 0.03 | 0.06 | -0.01 | -0.07 | 0.17\*\*\* | 0.18\*\*\* | -0.08\* | 0 | 0.20\*\*\* | -0.18\*\*\* | 0.22\*\*\* | 0.58\*\*\* |  | 0.17\*\*\* | 0.18\*\*\* |
| 15 | Personal efficacy | 0.11\*\* | -0.09\* | 0.09\* | 0.03 | 0.04 | 0.29\*\*\* | 0.24\*\*\* | -0.03 | 0.06 | 0.16\*\*\* | -0.23\*\*\* | 0.26\*\*\* | 0.21\*\*\* | 0.17\*\*\* |  | 0.36\*\*\* |
| 16 | Collective efficacy | -0.06 | 0.04 | 0.18\*\*\* | -0.15\*\*\* | 0.31\*\*\* | 0.54\*\*\* | 0.28\*\*\* | -0.09\* | 0.03 | 0.04 | -0.13\*\*\* | 0.67\*\*\* | 0.15\*\*\* | 0.18\*\*\* | 0.36\*\*\* |  |

Table S14.

Zero order correlations – USA

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Risk perception |  | -0.08\* | -0.06 | 0.08\* | -0.28\*\*\* | -0.06 | 0.03 | 0.26\*\*\* | 0.06 | 0.29\*\*\* | -0.34\*\*\* | -0.09\* | 0.29\*\*\* | 0.24\*\*\* | 0.14\*\*\* | -0.21\*\*\* |
| 2 | Gender (men) | -0.08\* |  | -0.03 | 0.07 | 0.12\*\* | 0.11\*\* | 0.12\*\* | -0.09\* | -0.06 | -0.07 | 0.06 | 0.11\*\* | 0.05 | 0.06 | -0.08\* | 0.07 |
| 3 | Age | -0.06 | -0.03 |  | 0.10\* | 0.17\*\*\* | 0.13\*\*\* | 0.05 | -0.14\*\*\* | -0.16\*\*\* | 0.04 | 0.12\*\* | 0.13\*\*\* | -0.12\*\* | -0.03 | 0.10\* | 0.13\*\*\* |
| 4 | Education | 0.08\* | 0.07 | 0.10\* |  | -0.07 | 0.02 | 0.04 | 0.01 | -0.01 | 0.09\* | -0.19\*\*\* | 0 | 0.12\*\* | 0.11\*\* | 0.03 | -0.06 |
| 5 | Political ideology  (lib-con) | -0.28\*\*\* | 0.12\*\* | 0.17\*\*\* | -0.07 |  | 0.29\*\*\* | -0.13\*\*\* | -0.06 | 0.03 | -0.28\*\*\* | 0.37\*\*\* | 0.39\*\*\* | -0.41\*\*\* | -0.17\*\*\* | -0.01 | 0.42\*\*\* |
| 6 | Personal knowledge | -0.06 | 0.11\*\* | 0.13\*\*\* | 0.02 | 0.29\*\*\* |  | 0.17\*\*\* | -0.03 | 0.02 | -0.02 | 0.03 | 0.48\*\*\* | -0.02 | 0.08\* | 0.18\*\*\* | 0.56\*\*\* |
| 7 | Social knowledge | 0.03 | 0.12\*\* | 0.05 | 0.04 | -0.13\*\*\* | 0.17\*\*\* |  | -0.04 | -0.01 | 0.12\*\* | -0.08\* | 0.15\*\*\* | 0.33\*\*\* | 0.24\*\*\* | 0.12\*\* | 0.10\* |
| 8 | Direct experience | 0.26\*\*\* | -0.09\* | -0.14\*\*\* | 0.01 | -0.06 | -0.03 | -0.04 |  | 0.08\* | 0.04 | -0.12\*\* | -0.05 | 0.02 | -0.03 | -0.02 | -0.12\*\* |
| 9 | Social amplification | 0.06 | -0.06 | -0.16\*\*\* | -0.01 | 0.03 | 0.02 | -0.01 | 0.08\* |  | 0.01 | -0.02 | 0.02 | 0.06 | 0.05 | 0.10\*\* | 0.04 |
| 10 | Prosociality | 0.29\*\*\* | -0.07 | 0.04 | 0.09\* | -0.28\*\*\* | -0.02 | 0.12\*\* | 0.04 | 0.01 |  | -0.44\*\*\* | -0.01 | 0.31\*\*\* | 0.30\*\*\* | 0.24\*\*\* | -0.06 |
| 11 | Individualism  worldview | -0.34\*\*\* | 0.06 | 0.12\*\* | -0.19\*\*\* | 0.37\*\*\* | 0.03 | -0.08\* | -0.12\*\* | -0.02 | -0.44\*\*\* |  | -0.04 | -0.30\*\*\* | -0.24\*\*\* | -0.11\*\* | 0.14\*\*\* |
| 12 | Trust in government | -0.09\* | 0.11\*\* | 0.13\*\*\* | 0 | 0.39\*\*\* | 0.48\*\*\* | 0.15\*\*\* | -0.05 | 0.02 | -0.01 | -0.04 |  | 0.02 | 0.18\*\*\* | 0.20\*\*\* | 0.65\*\*\* |
| 13 | Trust in science | 0.29\*\*\* | 0.05 | -0.12\*\* | 0.12\*\* | -0.41\*\*\* | -0.02 | 0.33\*\*\* | 0.02 | 0.06 | 0.31\*\*\* | -0.30\*\*\* | 0.02 |  | 0.64\*\*\* | 0.14\*\*\* | -0.13\*\*\* |
| 14 | Trust in medical  professionals | 0.24\*\*\* | 0.06 | -0.03 | 0.11\*\* | -0.17\*\*\* | 0.08\* | 0.24\*\*\* | -0.03 | 0.05 | 0.30\*\*\* | -0.24\*\*\* | 0.18\*\*\* | 0.64\*\*\* |  | 0.25\*\*\* | 0.09\* |
| 15 | Personal efficacy | 0.14\*\*\* | -0.08\* | 0.10\* | 0.03 | -0.01 | 0.18\*\*\* | 0.12\*\* | -0.02 | 0.10\*\* | 0.24\*\*\* | -0.11\*\* | 0.20\*\*\* | 0.14\*\*\* | 0.25\*\*\* |  | 0.31\*\*\* |
| 16 | Collective efficacy | -0.21\*\*\* | 0.07 | 0.13\*\*\* | -0.06 | 0.42\*\*\* | 0.56\*\*\* | 0.10\* | -0.12\*\* | 0.04 | -0.06 | 0.14\*\*\* | 0.65\*\*\* | -0.13\*\*\* | 0.09\* | 0.31\*\*\* |  |

Table S15. Tukey HSD pairwise-comparisons of COVID-19 risk perception

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Germany | Spain | Italy | Japan | South Korea | Mexico | Sweden | UK | US |
| Australia | 0.08 (-0.08-0.25) | 0.33\*\*\* (0.17-0.50) | -0.04 (-0.21-0.12) | -0.02 (-0.19-0.14) | -0.08 (-0.24-0.09) | -0.07 (-0.24-0.10) | 0.06 (-0.11-0.22) | 0.60\*\*\* (0.43-0.76) | 0.10 (-0.07-0.26) |
| Germany |  | 0.25\*\*\* (0.08-0.42) | -0.13 (-0.29-0.04) | -0.11 (-0.27-0.06) | -0.16 (-0.32-0.01) | -0.15 (-0.32-0.01) | -0.03 (-0.19-0.14) | 0.52\*\*\* (0.35-0.68) | 0.01 (-0.15-0.18) |
| Spain |  |  | -0.38\*\*\* (-0.55--0.21) | -0.36\*\*\* (-0.52--0.19) | -0.41\*\*\* (-0.58--0.24) | -0.40\*\*\* (-0.57--0.24) | -0.28\*\*\* (-0.44--0.11) | 0.26\*\*\* (0.10-0.43) | -0.24\*\*\* (-0.40--0.07) |
| Italy |  |  |  | 0.02 (-0.15-0.19) | -0.03 (-0.20-0.14) | -0.03 (-0.20-0.14) | 0.10 (-0.07-0.27) | 0.64\*\*\* (0.47-0.81) | 0.14 (-0.03-0.31) |
| Japan |  |  |  |  | -0.05 (-0.22-0.11) | -0.05 (-0.21-0.12) | 0.08 (-0.09-0.25) | 0.62\*\*\* (0.46-0.79) | 0.12 (-0.04-0.29) |
| South Korea |  |  |  |  |  | 0.00 (-0.16-0.17) | 0.13 (-0.04-0.30) | 0.67\*\*\* (0.51-0.84) | 0.17\* (0.01-0.34) |
| Mexico |  |  |  |  |  |  | 0.13 (-0.04-0.29) | 0.67\*\*\* (0.50-0.84) | 0.17\* (0.00-0.33) |
| Sweden |  |  |  |  |  |  |  | 0.54\*\*\* (0.38-0.71) | 0.04 (-0.13-0.21) |
| UK |  |  |  |  |  |  |  |  | -0.50\*\*\* (-0.67--0.34) |

Values are the difference in mean risk perception (top row country-left column country). 95% Confidence interval reported in brackets.

\**p* < .05, \*\*\**p* < .001.

Table S16. Regression outputs and statistics for demographics only models

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **All** | **Australia** | **Germany** | **Spain** | **Italy** | **Japan** | **South Korea** | **Mexico** | **Sweden** | **United Kingdom** | **United States** |
| *Predictors* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* | *std. Beta (standardized CI)* |
| Gender [Male] | -0.20 \*\*\* (-0.25 – -0.15) | -0.19 \* (-0.34 – -0.03) | -0.24 \*\* (-0.39 – -0.09) | -0.37 \*\*\* (-0.52 – -0.22) | -0.16 (-0.33 – 0.01) | -0.17 \* (-0.33 – -0.01) | -0.06 (-0.21 – 0.08) | -0.13 (-0.29 – 0.02) | -0.24 \*\* (-0.40 – -0.09) | -0.26 \*\*\* (-0.40 – -0.11) | -0.11 (-0.26 – 0.03) |
| Age | 0.02 (-0.01 – 0.04) | 0.05 (-0.03 – 0.13) | -0.07 (-0.14 – 0.01) | 0.01 (-0.07 – 0.08) | -0.03 (-0.11 – 0.06) | -0.07 (-0.15 – 0.00) | 0.08 \* (0.01 – 0.16) | 0.06 (-0.02 – 0.14) | 0.11 \*\* (0.04 – 0.19) | -0.03 (-0.11 – 0.04) | -0.02 (-0.09 – 0.05) |
| Education | 0.03 \* (0.00 – 0.05) | 0.04 (-0.04 – 0.12) | -0.02 (-0.10 – 0.06) | 0.06 (-0.01 – 0.14) | 0.08 (-0.01 – 0.16) | -0.01 (-0.09 – 0.07) | -0.01 (-0.09 – 0.06) | 0.07 (-0.01 – 0.15) | -0.02 (-0.09 – 0.06) | 0.01 (-0.07 – 0.08) | 0.07 (-0.00 – 0.14) |
| Political ideology (liberal-conservative) | -0.04 \*\*\* (-0.07 – -0.02) | -0.07 (-0.15 – 0.00) | -0.03 (-0.11 – 0.05) | 0 (-0.07 – 0.08) | 0.03 (-0.05 – 0.11) | 0 (-0.08 – 0.08) | 0.15 \*\*\* (0.07 – 0.22) | 0.10 \* (0.02 – 0.18) | 0.02 (-0.06 – 0.09) | -0.12 \*\* (-0.19 – -0.04) | -0.27 \*\*\* (-0.34 – -0.20) |
| Observations | 6563 | 658 | 666 | 678 | 551 | 625 | 694 | 630 | 664 | 700 | 697 |
| R2 / R2 adjusted | 0.013 / 0.012 | 0.017 / 0.011 | 0.021 / 0.015 | 0.038 / 0.032 | 0.014 / 0.007 | 0.013 / 0.007 | 0.033 / 0.028 | 0.029 / 0.022 | 0.028 / 0.022 | 0.034 / 0.028 | 0.088 / 0.083 |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | | | | | | |

# **Model diagnostics:**

# Pooled and by-country diagnostics and VIF values

## Pooled model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.034297 |
| Age | 1.066973 |
| Education | 1.040408 |
| Political Ideology | 1.052546 |
| Personal Knowledge | 1.831182 |
| Social knowledge | 1.263142 |
| Direct experience | 1.018258 |
| Social amplification | 1.045166 |
| Prosociality | 1.282373 |
| Individualism worldview | 1.245102 |
| Trust in government | 2.007917 |
| Trust in science | 1.793469 |
| Trust in medical professionals | 1.675325 |
| Personal Efficacy | 1.506415 |
| Collective efficacy | 2.565760 |

## 

## Australia model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.091291 |
| Age | 1.168468 |
| Education | 1.111812 |
| Political Ideology | 1.122604 |
| Personal Knowledge | 1.911719 |
| Social knowledge | 1.481664 |
| Direct experience | 1.102380 |
| Social amplification | 1.058041 |
| Prosociality | 1.444081 |
| Individualism worldview | 1.286921 |
| Trust in government | 2.107068 |
| Trust in science | 1.652854 |
| Trust in medical professionals | 1.639004 |
| Personal Efficacy | 1.724693 |
| Collective efficacy | 2.796719 |

## Germany model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.032452 |
| Age | 1.122072 |
| Education | 1.064465 |
| Political Ideology | 1.070059 |
| Personal Knowledge | 1.770025 |
| Social knowledge | 1.487675 |
| Direct experience | 1.047300 |
| Social amplification | 1.046466 |
| Prosociality | 1.299157 |
| Individualism worldview | 1.349096 |
| Trust in government | 2.104470 |
| Trust in science | 1.797580 |
| Trust in medical professionals | 1.570178 |
| Personal Efficacy | 1.592197 |
| Collective efficacy | 2.346745 |

## Spain model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.054343 |
| Age | 1.081725 |
| Education | 1.049978 |
| Political Ideology | 1.104535 |
| Personal Knowledge | 1.846789 |
| Social knowledge | 1.221113 |
| Direct experience | 1.023347 |
| Social amplification | 1.084204 |
| Prosociality | 1.434705 |
| Individualism worldview | 1.450442 |
| Trust in government | 2.079156 |
| Trust in science | 1.837816 |
| Trust in medical professionals | 1.736483 |
| Personal Efficacy | 1.586709 |
| Collective efficacy | 2.610533 |

## Italy model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.067712 |
| Age | 1.119744 |
| Education | 1.061360 |
| Political Ideology | 1.093095 |
| Personal Knowledge | 1.917687 |
| Social knowledge | 1.120532 |
| Direct experience | 1.042181 |
| Social amplification | 1.055938 |
| Prosociality | 1.439647 |
| Individualism worldview | 1.530374 |
| Trust in government | 1.821628 |
| Trust in science | 1.760788 |
| Trust in medical professionals | 1.653600 |
| Personal Efficacy | 2.102787 |
| Collective efficacy | 2.720643 |

## Japan model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.061689 |
| Age | 1.111392 |
| Education | 1.081535 |
| Political Ideology | 1.083419 |
| Personal Knowledge | 1.387543 |
| Social knowledge | 1.430284 |
| Direct experience | 1.054103 |
| Social amplification | 1.088882 |
| Prosociality | 1.358113 |
| Individualism worldview | 1.196800 |
| Trust in government | 2.269860 |
| Trust in science | 1.769627 |
| Trust in medical professionals | 1.583127 |
| Personal Efficacy | 1.504568 |
| Collective efficacy | 2.391074 |

## South Korea model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.056599 |
| Age | 1.125709 |
| Education | 1.050974 |
| Political Ideology | 1.185615 |
| Personal Knowledge | 2.374440 |
| Social knowledge | 1.417524 |
| Direct experience | 1.031215 |
| Social amplification | 1.117148 |
| Prosociality | 1.200242 |
| Individualism worldview | 1.206503 |
| Trust in government | 1.629182 |
| Trust in science | 1.773585 |
| Trust in medical professionals | 1.570206 |
| Personal Efficacy | 1.938257 |
| Collective efficacy | 2.731844 |

## Mexico model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.130879 |
| Age | 1.095044 |
| Education | 1.115699 |
| Political Ideology | 1.104300 |
| Personal Knowledge | 2.002907 |
| Social knowledge | 1.202786 |
| Direct experience | 1.053809 |
| Social amplification | 1.036868 |
| Prosociality | 1.275187 |
| Individualism worldview | 1.209150 |
| Trust in government | 2.224755 |
| Trust in science | 1.694421 |
| Trust in medical professionals | 1.634233 |
| Personal Efficacy | 1.433031 |
| Collective efficacy | 2.863497 |

## Sweden model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.106144 |
| Age | 1.125580 |
| Education | 1.061590 |
| Political Ideology | 1.138740 |
| Personal Knowledge | 2.145447 |
| Social knowledge | 1.523791 |
| Direct experience | 1.081272 |
| Social amplification | 1.081264 |
| Prosociality | 1.248654 |
| Individualism worldview | 1.237437 |
| Trust in government | 2.526381 |
| Trust in science | 1.855086 |
| Trust in medical professionals | 1.763168 |
| Personal Efficacy | 1.460552 |
| Collective efficacy | 3.041213 |

## UK model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.097159 |
| Age | 1.190302 |
| Education | 1.104015 |
| Political Ideology | 1.341537 |
| Personal Knowledge | 1.597194 |
| Social knowledge | 1.213338 |
| Direct experience | 1.045951 |
| Social amplification | 1.075070 |
| Prosociality | 1.191033 |
| Individualism worldview | 1.249765 |
| Trust in government | 2.205888 |
| Trust in science | 1.716128 |
| Trust in medical professionals | 1.616051 |
| Personal Efficacy | 1.292657 |
| Collective efficacy | 2.202780 |

## US model multicollinearity statistics and model diagnostics

A close up of a map

Description automatically generated

|  |  |
| --- | --- |
| **Variable** | **VIF** |
| Gender | 1.083148 |
| Age | 1.155910 |
| Education | 1.073927 |
| Political Ideology | 1.761404 |
| Personal Knowledge | 1.567020 |
| Social knowledge | 1.207080 |
| Direct experience | 1.062425 |
| Social amplification | 1.059484 |
| Prosociality | 1.400286 |
| Individualism worldview | 1.518464 |
| Trust in government | 2.050503 |
| Trust in science | 2.210656 |
| Trust in medical professionals | 1.903028 |
| Personal Efficacy | 1.261109 |
| Collective efficacy | 2.407006 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Predictor | | Percent risk perception *R2* explained | | | | | | | | | | |
|  | | Pooled  (Model R2 = 18.09) | Italy  (Model R2 = 19.94) | UK  (Model R2 = 19.81) | US  (Model R2 = 26.29) | Australia  (Model R2 = 16.58) | Germany  (Model R2 = 23.27) | Spain  (Model R2 = 26.23) | Mexico  (Model R2 = 16.58) | Sweden  (Model R2 = 24.00) | Japan  (Model R2 = 15.37) | South Korea  (Model R2 = 15.73) |
|  | |  |  |  |  |  |  |  |  |  |  |  |
| Gender | 0.70 [0.39, 1.11] | | 0.33 [0.33, -0.04] | 1.17 [1.17, 0.11] | 0.21 [0.21, -0.14] | 0.35 [0.35, -0.08] | 0.90 [0.90, 0.03] | 2.54 [2.54, 0.88] | 0.60 [0.60, -0.04] | 0.65 [0.65, -0.13] | 0.46 [0.46, -0.02] | 0.27 [0.27, -0.11] |
| Age | -0.01 [-0.01, -0.02] | | 0.58 [0.58, -0.18] | 0.09 [0.09, -0.12] | -0.15 [-0.15, -0.35] | 0.01 [0.01, -0.09] | 0.64 [0.64, 0.00] | 0.01 [0.01, -0.21] | -0.08 [-0.08, -0.33] | 0.69 [0.69, -0.01] | 0.94 [0.94, 0.00] | 0.21 [0.21, -0.30] |
| Education | -0.04 [-0.04, -0.06] | | 0.53 [0.53, -0.02] | -0.12 [-0.12, -0.32] | 0.01 [0.01, -0.27] | -0.08 [-0.08, -0.22] | 0.00 [0.00, -0.07] | 0.26 [0.26, -0.04] | 0.11 [0.11, -0.21] | 0.26 [0.26, -0.05] | 0.09 [0.09, -0.09] | 0.00 [0.00, -0.06] |
| Political ideology | -0.04 [-0.04, -0.10] | | 0.11 [0.11, -0.21] | 0.59 [0.59, -0.23] | 2.14 [2.14, 0.08] | 0.41 [0.41, -0.03] | -0.07 [-0.07, -0.19] | 0.00 [0.00, -0.05] | 0.90 [0.90, -0.12] | 0.04 [0.04, -0.04] | 0.00 [0.00, -0.03] | 1.79 [1.79, 0.27] |
| Personal knowledge | 0.60 [0.60, 0.24] | | 0.61 [0.61, -0.67] | 0.11 [0.11, -0.14] | -0.40 [-0.40, -0.86] | 3.41 [3.41, 0.87] | 1.35 [1.35, -0.58] | 3.03 [3.03, 0.83] | -0.23 [-0.23, -0.75] | 0.39 [0.39, -0.12] | 0.73 [0.73, -0.03] | 1.17 [1.17, -0.01] |
| Social knowledge | -0.04 [-0.04, -0.13] | | 0.00 [0.00, -0.14] | 0.13 [0.13, -0.05] | -0.18 [-0.18, -0.40] | -0.52 [-0.52, -1.04] | -0.60 [-0.60, -1.14] | 0.21 [0.21, -0.34] | 0.61 [0.61, -0.08] | -0.37 [-0.37, -0.93] | 0.03 [0.03, -0.07] | 0.64 [0.64, -0.21] |
| Direct experience | 2.34 [2.34, 1.73] | | 3.78 [3.78, 1.27] | 1.95 [1.95, 0.53] | 5.65 [5.65, 3.02] | 0.81 [0.81, 0.11] | 2.37 [2.37, 0.78] | 4.64 [4.64, 2.23] | 1.68 [1.68, 0.31] | 0.75 [0.75, -0.02] | 2.02 [2.02, 0.43] | 2.39 [2.39, 0.78] |
| Social amplification | 1.21 [1.21, 0.75] | | 0.01 [0.01, -0.23] | 0.81 [0.81, 0.02] | 0.13 [0.13, -0.08] | 2.57 [2.57, 0.67] | 1.01 [1.01, 0.06] | 2.19 [2.19, 0.42] | 0.37 [0.37, -0.07] | 2.55 [2.55, 0.71] | 1.51 [1.51, 0.23] | 0.59 [0.59, -0.06] |
| Prosociality | 3.19 [3.19, 2.32] | | 7.53 [7.53, 3.48] | 4.80 [4.80, 1.90] | 2.94 [2.94, 0.27] | 4.00 [4.00, 1.29] | 2.89 [2.89, 0.62] | 3.28 [3.28, 0.82] | 4.26 [4.26, 1.22] | 2.69 [2.69, 0.45] | 1.82 [1.82, 0.16] | 0.54 [0.54, -0.04] |
| Individualism worldview | 4.78 [4.78, 3.77] | | 4.98 [4.98, 1.41] | 6.19 [6.19, 2.94] | 5.14 [5.14, 1.73] | 3.53 [3.53, 0.92] | 10.57 [10.57, 5.86] | 5.63 [5.63, 2.65] | 2.43 [2.43, 0.44] | 8.38 [8.38, 4.59] | 3.24 [3.24, 0.73] | 0.18 [0.18, -0.04] |
| Trust in government | 0.02 [0.02, -0.10] | | 0.13 [0.13, -0.69] | 0.08 [0.08, -0.16] | -0.01 [-0.01, -0.70] | -0.04 [-0.04, -0.78] | -0.52 [-0.52, -1.83] | 0.76 [0.76, -0.59] | 0.06 [0.06, -0.83] | -0.44 [-0.44, -1.22] | 0.66 [0.66, -0.18] | 2.87 [2.87, 0.77] |
| Trust in science | 1.62 [1.62, 0.86] | | 0.07 [0.07, -0.87] | 1.47 [1.47, -0.05] | 2.53 [2.53, -0.20] | 1.31 [1.31, -0.37] | 0.58 [0.58, -0.82] | 1.73 [1.73, -0.27] | 1.28 [1.28, -0.35] | 0.81 [0.81, -0.79] | 0.63 [0.63, -0.30] | 1.13 [1.13, -0.64] |
| Trust in medical professionals | 1.73 [1.73, 1.02] | | 1.22 [1.22, -0.21] | 1.45 [1.45, -0.04] | 2.28 [2.28, 0.03] | -0.11 [-0.11, -0.93] | 0.81 [0.81, -0.31] | 0.73 [0.73, -0.53] | 0.96 [0.96, -0.21] | 0.85 [0.85, -0.66] | 1.33 [1.33, -0.03] | 2.47 [2.47, 0.45] |
| Personal efficacy | 1.62 [1.62, 0.98] | | 0.45 [0.45, -0.85] | 0.40 [0.40, -0.23] | 1.67 [1.67, 0.26] | 1.71 [1.71, -0.43] | 4.13 [4.13, 1.07] | 1.72 [1.72, 0.10] | 0.76 [0.76, -0.05] | 7.30 [7.30, 3.60] | -0.07 [-0.07, -0.25] | 1.41 [1.41, -0.21] |
| Collective efficacy | 0.41 [0.41, 0.02] | | -0.39 [-0.39, -1.74] | 0.69 [0.69, -0.04] | 4.33 [4.33, 1.38] | -0.78 [-0.78, -1.93] | -0.79 [-0.79, -2.52] | -0.50 [-0.50, -1.49] | 2.87 [2.87, 0.53] | -0.55 [-0.55, -1.47] | 1.98 [1.98, 0.19] | 0.07 [0.07, -0.56] |

Table S17. Results of Pratt’s variance decomposition analysis for pooled and by country models

|  |  |  |  |
| --- | --- | --- | --- |
| **Predictor** | **Effect direction** | **Countries predictive in** | **Number of countries predictive in (out of 10)** |
| Direct experience | Risk perception is higher with direct experience | All countries | 10 |
| Prosociality | Higher prosociality, higher risk perception | AU, DE, ES, IT, JP, MX, SE, UK, US (all except KR) | 9 |
| Individualism worldviews | More individualistic, lower risk perception | AU, DE, ES, IT, JP, MX, SE, UK, US (all except KR) | 9 |
| Social amplification | Risk perception is higher having received information about the virus from family and friends | AU, DE, ES, SE, UK, JP | 6 |
| Collective efficacy | Higher perceived collective efficacy, lower risk perception | ES, MX, UK, US, JP | 5 |
| Gender | Males perceive less risk compared to females | DE, ES, MX, UK, KR | 5 |
| Personal efficacy | Higher perceived self-efficacy, higher risk perception | DE, ES, SE, US | 4 |
| Personal knowledge | Higher personal knowledge, higher risk perception | AU, ES, JP, KR | 4 |
| Age | The older, the less risk perception | DE, IT, JP | 3 |
| Trust in government | Higher trust, lower risk perception | ES, KR | 2 |
| Trust in medical professionals | Higher trust, higher risk perception | US, KR | 2 |
| Political ideology | More conservative, higher risk perception | KR | 1 |
| Social knowledge | No effect | None | 0 |
| Trust in science | No effect | None | 0 |
| Education | No effect | None | 0 |

Table S18. Linear regression model predictors and summary of countries each predictor is significantin

Table S19. Adoption of preventative health behaviors item

|  |  |
| --- | --- |
| **Question text** | **Answer options (select all that apply)** |
| Which of the following steps, if any, have you taken in the last month to prepare for the possibility of many cases of the coronavirus/COVID-19 in your community? | ▢ Washing your hands more often  ▢ Using alcohol-based hand sanitizer more often  ▢ Wearing a face mask  ▢ Avoiding social events (e.g., parties, family gatherings)  ▢ Avoiding public transport  ▢ Eating out less at restaurants  ▢ Touching your face less  ▢ Shopping for groceries less often  ▢ Cooking at home more often  ▢ Staying home from work  ▢ Purchasing extra supplies or food |

Table S20. Mean and median number of preventative health behaviors reported (out of 11 possible) and correlation with COVID-19 risk perception measure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Country | Mean | (*SD*) | Median | *rrisk* |
| Pooled | 6.39 | (2.71) | 7 | .28\*\*\* |
| Australia | 5.53 | (2.84) | 5 | .37\*\*\* |
| Germany | 5.73 | (2.25) | 6 | .30\*\*\* |
| Spain | 7.25 | (2.56) | 8 | .32\*\*\* |
| Italy | 7.44 | (2.75) | 8 | .24\*\*\* |
| Japan | 5.93 | (2.79) | 6 | .26\*\*\* |
| South Korea | 6.53 | (2.75) | 7 | .24\*\*\* |
| Mexico | 7.04 | (2.58) | 7 | .33\*\*\* |
| Sweden | 5.06 | (2.64) | 5 | .39\*\*\* |
| UK | 6.10 | (2.42) | 6 | .29\*\*\* |
| US | 7.28 | (2.34) | 8 | .35\*\*\* |

\*\*\**p* < .001, Bonferroni adjusted

Table S21. Dates survey was conducted in each country

|  |  |  |
| --- | --- | --- |
| **Country** | **Dates of survey** | **Reported deaths in country at time of data collection** |
| UK | 19th March | 103 |
| US | 19th-21st March (mostly on 19th) | 260 |
| Australia | 20th & 23rd March | 7 |
| Germany | 23-24th March | 126 |
| Italy | 22nd -24th March | 6,077 |
| Mexico | 21st-27th March | 8 |
| Spain | 22nd-25th March | 2,696 |
| Sweden | 28th-30th March | 110 |
| Korea | 9th-11th April | 208 |
| Japan | 10th-12th April | 98 |

Source for death reports: ECDC via Our World in Data

1. Participants who reported they had tested positive for the virus, or suspected that they were infected were coded as having direct experience of the COVID-19 virus. Suspected infections were included here as many countries do not undertake tests for low risk cases. [↑](#footnote-ref-1)