

| | var1 | var2 | cor | p | method |
|----|---------|---------|-------|------|---------|
| 1 | LA_Mean | E201_01 | -0.03 | 0.57 | Pearson |
| 2 | LA_Mean | E201_02 | -0.04 | 0.36 | Pearson |
| 3 | LA_Mean | E201_03 | -0.13 | 0.01 | Pearson |
| 4 | LA_Mean | E201_04 | -0.15 | 0.00 | Pearson |
| 5 | LA_Mean | E201_05 | -0.10 | 0.04 | Pearson |
| 6 | LA_Mean | E201_06 | -0.06 | 0.23 | Pearson |
| 7 | LA_Mean | E201_07 | -0.10 | 0.03 | Pearson |
| 8 | LA_Mean | E201_08 | -0.01 | 0.79 | Pearson |
| 9 | LA_Mean | E201_09 | -0.19 | 0.00 | Pearson |
| 10 | LA_Mean | E201_10 | -0.30 | 0.00 | Pearson |
| 11 | LA_Mean | E201_11 | -0.08 | 0.08 | Pearson |
| 12 | LA_Mean | E201_12 | -0.02 | 0.74 | Pearson |
| 13 | LA_Mean | E201_13 | -0.12 | 0.02 | Pearson |
| 14 | LA_Mean | E201_14 | -0.16 | 0.00 | Pearson |
| 15 | LA_Mean | E201_15 | 0.00 | 1.00 | Pearson |
| 16 | LA_Mean | E201_16 | -0.18 | 0.00 | Pearson |
| 17 | LA_Mean | E201_17 | -0.15 | 0.00 | Pearson |
| 18 | LA_Mean | E201_18 | -0.13 | 0.01 | Pearson |
| 19 | LA_Mean | E201_19 | -0.06 | 0.18 | Pearson |
| 20 | LA_Mean | E201_20 | -0.04 | 0.47 | Pearson |

Table 1: Summary statistic of correlation between Legislative Stance (LA) and Device Risk assessment (E201) measured on a 7-Point Likert scale

| | var1 | var2 | cor | p | method |
|---|---------|---------|-------|------|---------|
| 1 | LA_Mean | E201_11 | -0.08 | 0.08 | Pearson |
| 2 | LA_Mean | E201_14 | -0.16 | 0.00 | Pearson |
| 3 | LA_Mean | E201_16 | -0.18 | 0.00 | Pearson |

Table 2: Summary statistic of correlation between Legislative Stance (LA) and Device Risk assessment (E201) measured on a 7-Point Likert scale

| | var1 | var2 | cor | p | method |
|---|---------|---------|-------|------|---------|
| 1 | LA_Mean | A204_01 | -0.06 | 0.24 | Pearson |
| 2 | LA_Mean | A204_02 | -0.02 | 0.65 | Pearson |
| 3 | LA_Mean | A204_03 | 0.05 | 0.34 | Pearson |
| 4 | LA_Mean | A204_04 | -0.05 | 0.34 | Pearson |
| 5 | LA_Mean | A204_05 | -0.00 | 0.98 | Pearson |
| 6 | LA_Mean | A204_06 | -0.10 | 0.04 | Pearson |

Table 3: Summary statistic of correlation between Legislative Stance (LA) and Perceived Responsibility measured on a 7-Point Likert scale between Oneself (1) and the Manufacturer (7)

| | Device | Cor | Method | P-Value |
|---|-----------------|-------|---------|---------|
| 1 | Smart Lightbulb | -0.02 | Pearson | 0.84 |
| 2 | Smart Speaker | 0.27 | Pearson | 0.00 |
| 3 | Smart TV | 0.18 | Pearson | 0.01 |

Table 4: Effect of Legislative stance on the usage on a specific device.

| | Comparison | Z | P.unadj | P.adj |
|---|--------------------------------|-------|---------|-------|
| 1 | DACH - United Kingdom | -0.67 | 0.50 | 1.00 |
| 2 | DACH - United States | -1.00 | 0.32 | 0.95 |
| 3 | United Kingdom - United States | -0.36 | 0.72 | 1.00 |

Table 5: dunnTest comparison results for the usage of Smart Home Devices Overall by Region of Residence

| | Comparison | Z | P.unadj | P.adj |
|---|--------------------------------|-------|---------|-------|
| 1 | DACH - United Kingdom | -3.44 | 0.00 | 0.00 |
| 2 | DACH - United States | -2.63 | 0.01 | 0.03 |
| 3 | United Kingdom - United States | 0.77 | 0.44 | 1.00 |

Table 6: dunnTest comparison results for the usage of Smart TV's by Region of Residence

| | Comparison | Z | P.unadj | P.adj |
|---|--------------------------------|------|---------|-------|
| 1 | DACH - United Kingdom | 0.86 | 0.39 | 1.00 |
| 2 | DACH - United States | 1.56 | 0.12 | 0.35 |
| 3 | United Kingdom - United States | 0.59 | 0.55 | 1.00 |

Table 7: dunnTest comparison results for the usage of Smart Lightbulbs Overall by Region of Residence

| | Comparison | Z | P.unadj | P.adj |
|---|--------------------------------|-------|---------|-------|
| 1 | DACH - United Kingdom | 1.16 | 0.24 | 0.73 |
| 2 | DACH - United States | 0.97 | 0.33 | 1.00 |
| 3 | United Kingdom - United States | -0.15 | 0.88 | 1.00 |

Table 8: dunnTest comparison results for the usage of Smart Speakers by Region of Residence

| | Comparison | Z | P.unadj | P.adj |
|---|--------------------------------|-------|---------|-------|
| 1 | DACH - United Kingdom | -0.67 | 0.50 | 1.00 |
| 2 | DACH - United States | -1.00 | 0.32 | 0.95 |
| 3 | United Kingdom - United States | -0.36 | 0.72 | 1.00 |

Table 9: dunnTest comparison results for the usage of Smart Lightbulbs Overall by Region of Residence

| | p | X ² |
|---|-------------------|----------------------------|
| 1 | 0.316559487624573 | Pearson's Chi-squared test |

Table 10: Chi-Squared Test for significant differences in disabling features in smart home devices by Region of residence.

| | Comparison | Z | P.unadj | P.adj | epsilonSquared |
|---|--------------------------------|-------|---------|-------|----------------|
| 1 | DACH - United Kingdom | -2.69 | 0.01 | 0.02 | 0.0263 |
| 2 | DACH - United States | -3.31 | 0.00 | 0.00 | 0.0373 |
| 3 | United Kingdom - United States | -0.69 | 0.49 | 1.00 | NA |

Table 11: DunnTest for participants opinion on Manufacturer responsibility on "Keeping the Smart Home device secure" by Region of Residence

| | Comparison | Z | P.unadj | P.adj | EpsilonSquared |
|---|--------------------------------|-------|---------|-------|----------------|
| 1 | DACH - United Kingdom | 4.18 | 0.00 | 0.00 | 0.0599 |
| 2 | DACH - United States | 3.45 | 0.00 | 0.00 | 0.0428 |
| 3 | United Kingdom - United States | -0.69 | 0.49 | 1.00 | NA |

Table 12: Device Risk assessment dunnTest by Current Region of residence.

| | Code | Comparison | Z | P.unadj | P.adj |
|----|---------|--------------------------------|-------|---------|-------|
| 1 | A307_04 | DACH - United Kingdom | -1.30 | 0.19 | 0.58 |
| 2 | A307_04 | DACH - United States | -3.39 | 0.00 | 0.00 |
| 3 | A307_04 | United Kingdom - United States | -2.19 | 0.03 | 0.09 |
| 4 | A307_07 | DACH - United Kingdom | -2.28 | 0.02 | 0.07 |
| 5 | A307_07 | DACH - United States | -2.96 | 0.00 | 0.01 |
| 6 | A307_07 | United Kingdom - United States | -0.74 | 0.46 | 1.00 |
| 7 | A307_08 | DACH - United Kingdom | -3.65 | 0.00 | 0.00 |
| 8 | A307_08 | DACH - United States | -2.95 | 0.00 | 0.01 |
| 9 | A307_08 | United Kingdom - United States | 0.67 | 0.50 | 1.00 |
| 10 | A307_10 | DACH - United Kingdom | -2.14 | 0.03 | 0.10 |
| 11 | A307_10 | DACH - United States | -4.57 | 0.00 | 0.00 |
| 12 | A307_10 | United Kingdom - United States | -2.55 | 0.01 | 0.03 |

Table 13: Perceived benefits of smart home devices by region of residence.

| | Device | Cor | Method | P-Value |
|---|-----------------|------|---------|---------|
| 1 | Smart Lightbulb | 0.11 | Pearson | 0.29 |
| 2 | Smart Speaker | 0.13 | Pearson | 0.14 |
| 3 | Smart TV | 0.11 | Pearson | 0.11 |

Table 14: Household size correlation with the usage of most used devices.

| | Usage_type | p-value | effect_size |
|---|-----------------|---------|-------------|
| 1 | Smart Lightbulb | 0.64 | 0.02 |
| 2 | Smart Speaker | 0.21 | 0.06 |
| 3 | Smart TV | 0.11 | 0.08 |

Table 15: Effect on risk assessment of devices by having children or not.

| | Usage_type | p-value | effect_size |
|---|---|---------|-------------|
| 1 | Keeping the Smart Home device software up-to-date | 0.45 | 0.04 |
| 2 | Ensuring my privacy | 0.17 | 0.07 |
| 3 | Protecting my Smart Home ecosystem as a whole | 0.03 | 0.10 |
| 4 | Keeping the Smart Home device secure | 0.81 | 0.01 |
| 5 | Fixing a hardware failure | 0.60 | 0.02 |
| 6 | Fixing a software failure | 0.84 | 0.01 |

Table 16: Changes in responsibility stance to having Children or not.

| | Usage_type | p-value | effect_size |
|---|---|---------|-------------|
| 1 | Voice commands via a Smart Speaker | 0.00 | 0.20 |
| 2 | Voice commands via a Smartphone Voice Assistant | 0.00 | 0.22 |
| 3 | Smartphone App for the Device | 0.65 | 0.02 |
| 4 | Smartphone Widgets or Shortcuts | 0.55 | 0.03 |
| 5 | Sensors inside the Home | 0.06 | 0.09 |
| 6 | Sensors outside the Home | 0.09 | 0.08 |
| 7 | Automatic Operation based on Device Programming | 0.70 | 0.02 |

Table 17: Household size correlation with the usage of most used devices.