

Supplementary Material

Supplementary Material S1: Fit Indices and Profile Visualisations All Countries

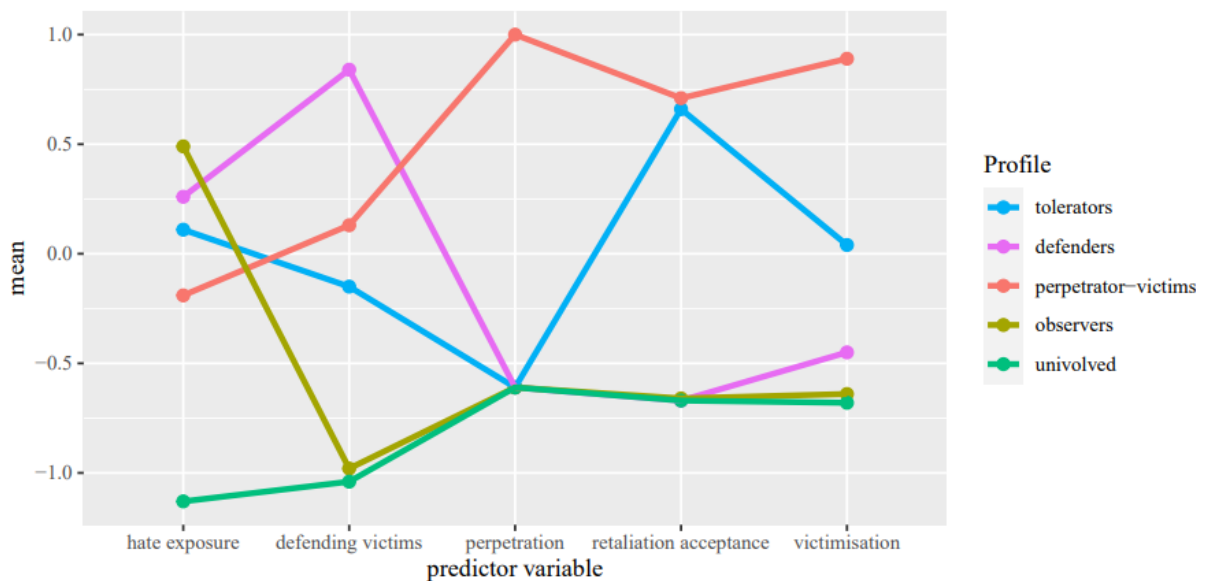
Figure S1. LPA Fit Indices AIC and BIC Based on the Full Dataset Visualized.



Table S1. LPA Fit Indices US.

| <i>N</i> | AIC | BIC |
|----------|----------|----------|
| 1 | 13240.96 | 13339.11 |
| 2 | 11323.06 | 11504.65 |
| 3 | 10829.37 | 11094.38 |
| 4 | 10678.89 | 11027.34 |
| 5 | 9687.44 | 10119.32 |
| 6 | 9135.63 | 9650.94 |
| 7 | 8362.30 | 8961.04 |
| 8 | 7930.95 | 8613.12 |
| 9 | 7274.04 | 8039.65 |

Figure S2. Five Profile LPA USA.

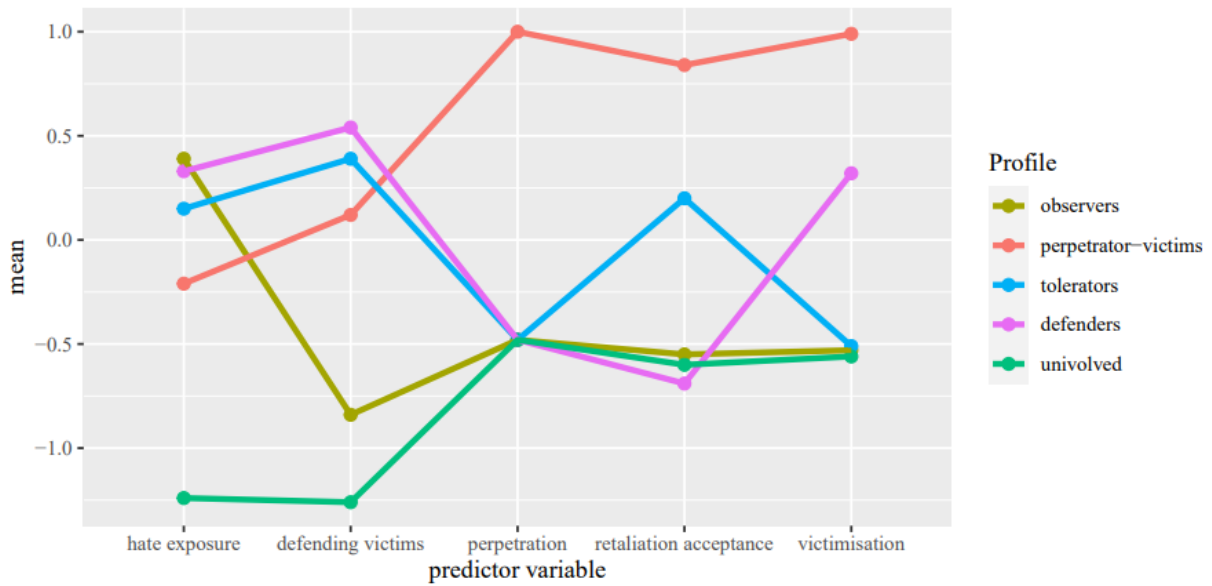


Note. Figure displays z-standardized means.

Table S2. LPA Fit Indices UK.

| <i>N</i> | AIC | BIC |
|----------|----------|----------|
| 1 | 11889.27 | 11984.85 |
| 2 | 9758.23 | 9935.04 |
| 3 | 9330.23 | 9588.29 |
| 4 | 8307.66 | 8646.95 |
| 5 | 7210.32 | 7630.86 |
| 6 | 10398.58 | 10876.46 |
| 7 | 10431.40 | 10985.74 |
| 8 | 9577.55 | 10208.35 |
| 9 | 8767.25 | 9474.51 |

Figure S3. Five Profile LPA UK.

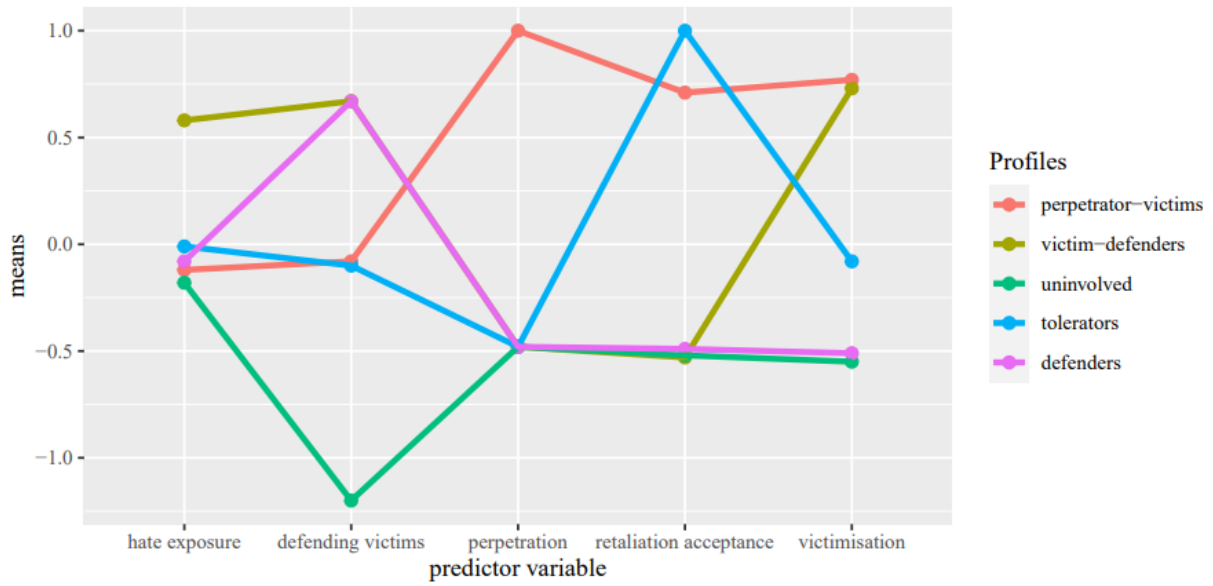


Note. Figure displays z-standardized means.

Table S3. LPA Fit Indices Spain.

| <i>N</i> | AIC | BIC |
|----------|---------|---------|
| 1 | 9366.88 | 9457.32 |
| 2 | 7645.11 | 7812.43 |
| 3 | 7267.25 | 7511.45 |
| 4 | 7214.29 | 7535.36 |
| 5 | 6157.99 | 6555.94 |
| 6 | 5932.87 | 6407.69 |
| 7 | 5582.87 | 6134.57 |
| 8 | 4593.85 | 5222.42 |
| 9 | 4942.34 | 5647.78 |

Figure S4. Five Profile LPA Spain.

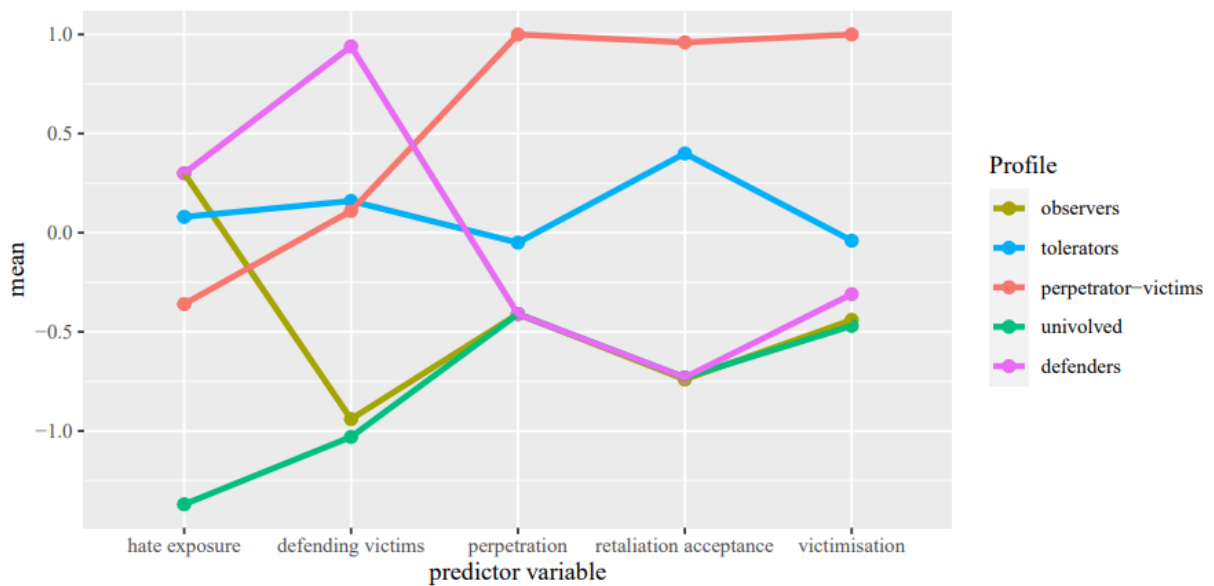


Note. Figure displays z-standardized means.

Table S4. LPA Fit Indices Poland.

| <i>N</i> | AIC | BIC |
|----------|---------|---------|
| 1 | 9572.85 | 9663.61 |
| 2 | 8456.77 | 8620.14 |
| 3 | 7565.00 | 7800.99 |
| 4 | 8724.91 | 8897.36 |
| 5 | 8600.13 | 8799.80 |
| 6 | 8608.83 | 8835.73 |
| 7 | 8620.58 | 8874.71 |
| 8 | 6961.74 | 7560.78 |
| 9 | 8402.63 | 8711.22 |

Figure S5. Five Profile LPA Poland.

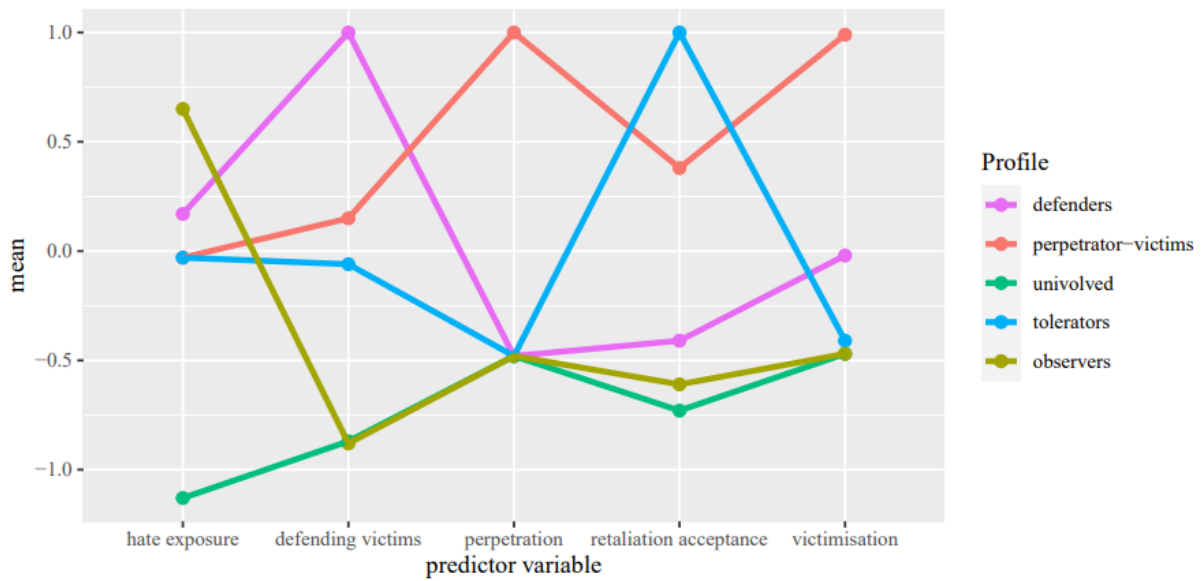


Note. Figure displays z-standardized means.

Table S5. LPA Fit Indices France.

| <i>N</i> | AIC | BIC |
|----------|----------|----------|
| 1 | 11653.28 | 11748.05 |
| 2 | 9208.08 | 9383.39 |
| 3 | 9895.57 | 10141.96 |
| 4 | 7862.00 | 8198.41 |
| 5 | 7777.89 | 8194.85 |
| 6 | 10632.04 | 10868.94 |
| 7 | 10587.11 | 10852.45 |
| 8 | 10599.29 | 10893.05 |
| 9 | 10545.25 | 10820.06 |

Figure S6. Five Profile LPA France.

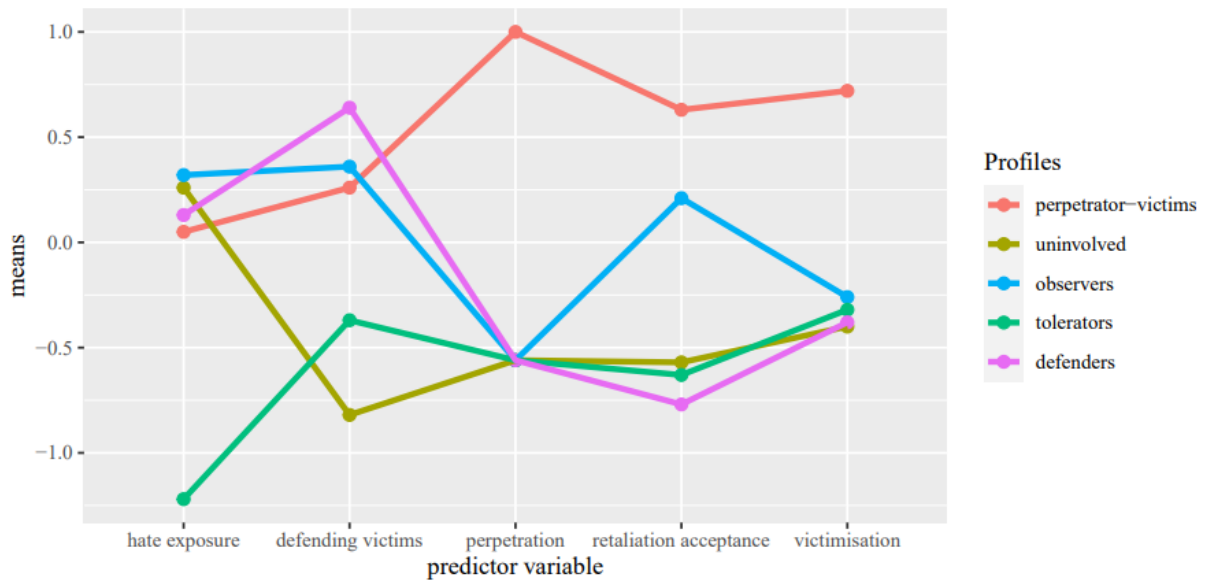


Note. Figure displays z-standardized means.

Table S6. LPA Fit Indices Finland.

| <i>N</i> | AIC | BIC |
|----------|---------|---------|
| 1 | 6307.23 | 6389.90 |
| 2 | 4860.80 | 5013.74 |
| 3 | 4532.38 | 4755.59 |
| 4 | 4165.37 | 4458.84 |
| 5 | 3239.35 | 3603.09 |
| 6 | 4089.47 | 4275.48 |
| 7 | 5823.04 | 5996.64 |
| 8 | 2342.82 | 2917.36 |
| 9 | 1776.33 | 2421.14 |

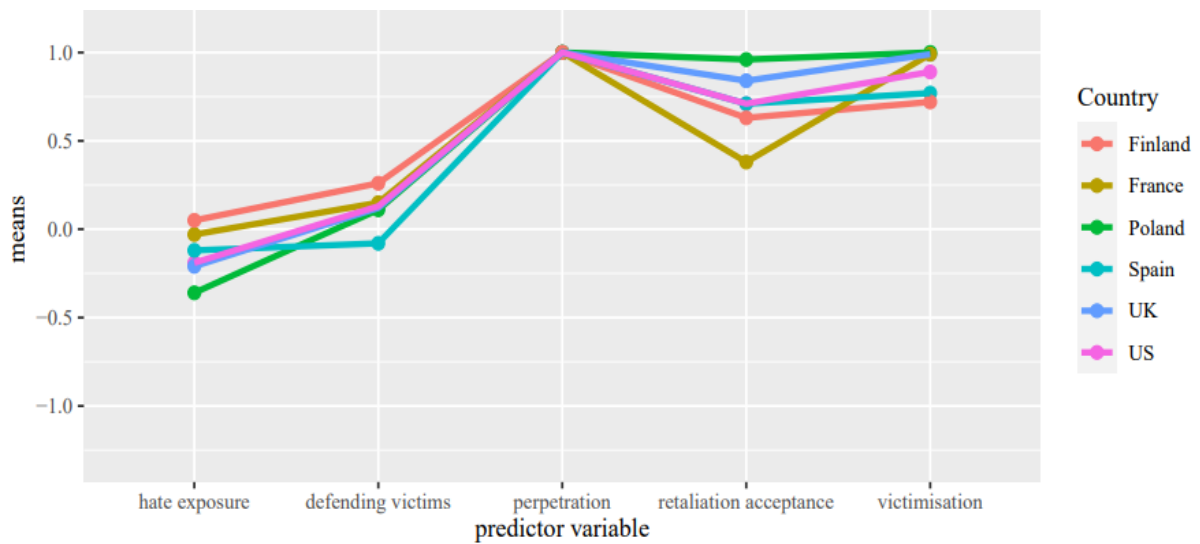
Figure S7. Five Profile LPA Finland.



Note. Figure displays z-standardized means.

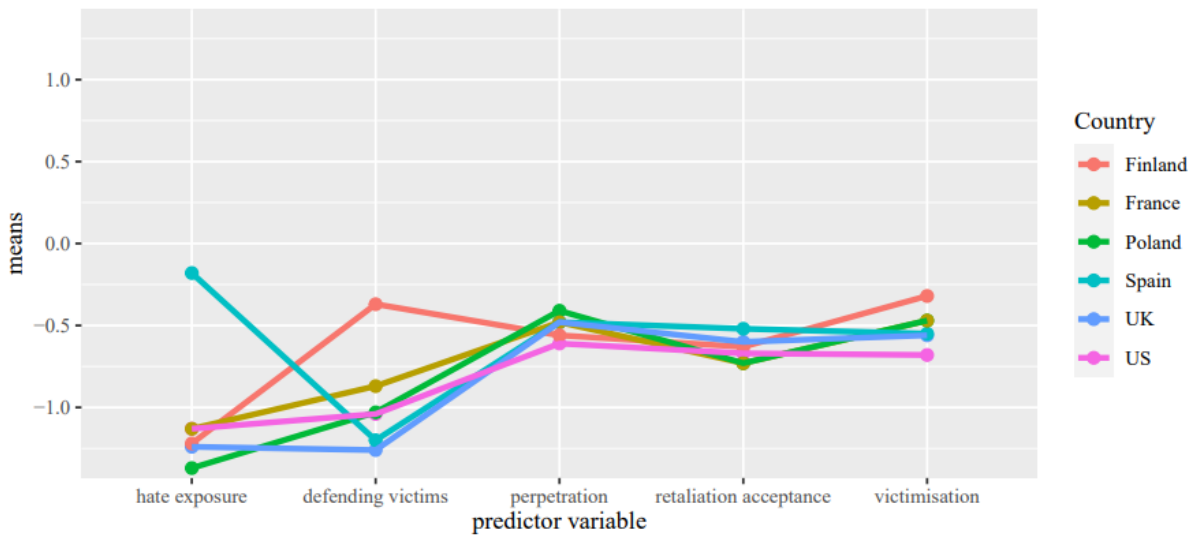
Supplementary Material S2: Profile Solutions per Country

Figure S8. Perpetrator-Victims Across Countries.



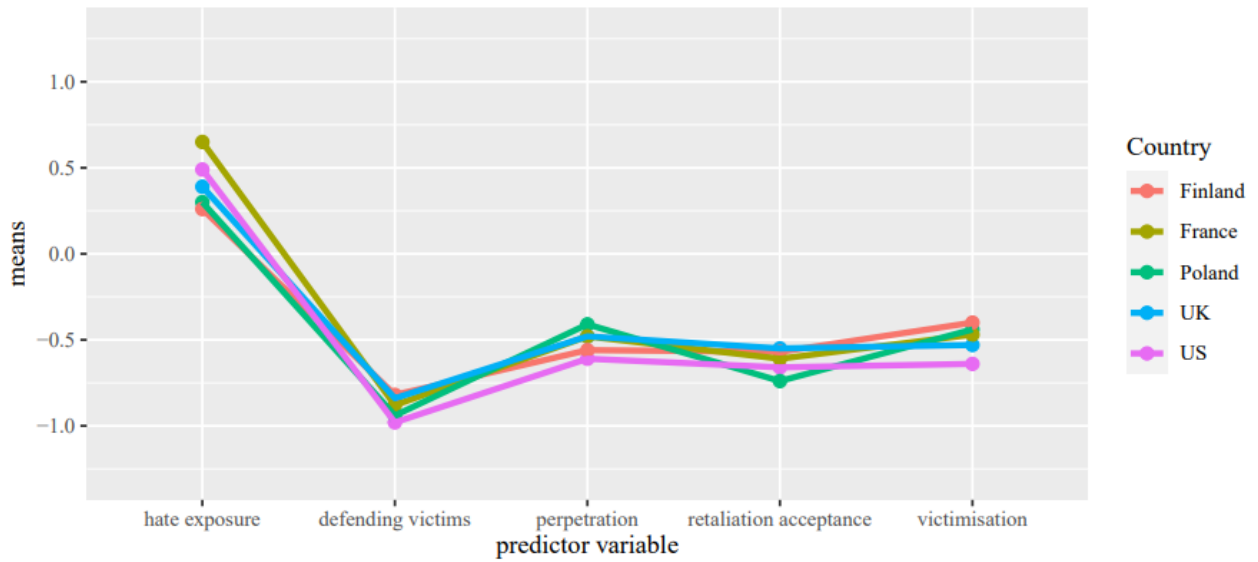
Note. Figure displays z-standardized means.

Figure S9. Uninvolved Across Countries.



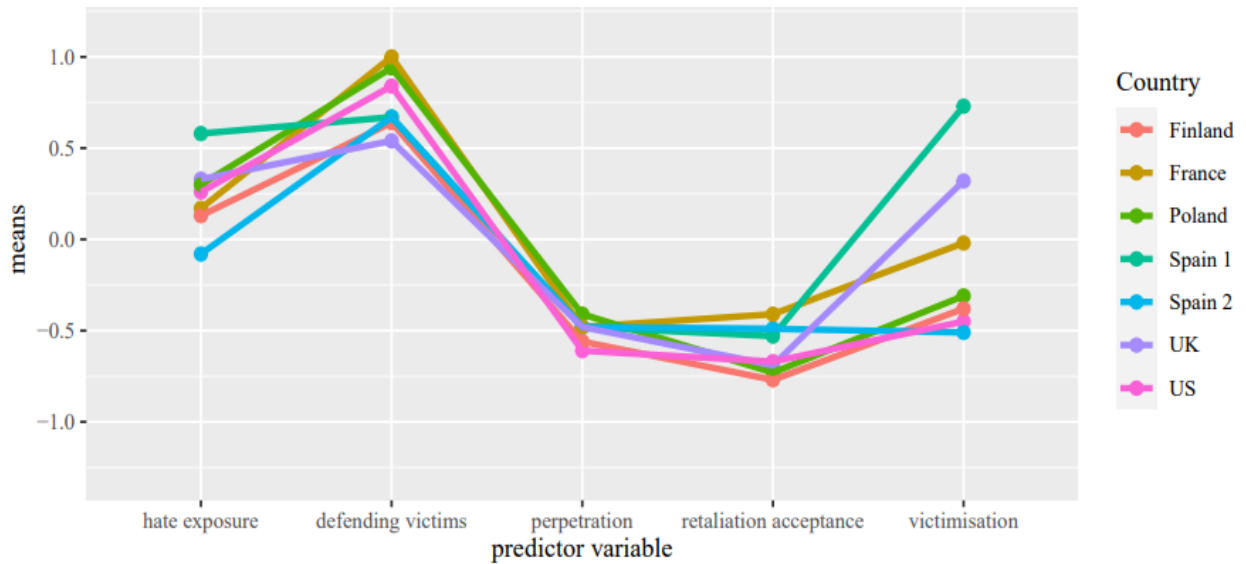
Note. Figure displays z-standardized means.

Figure S10. Observers Across Countries.



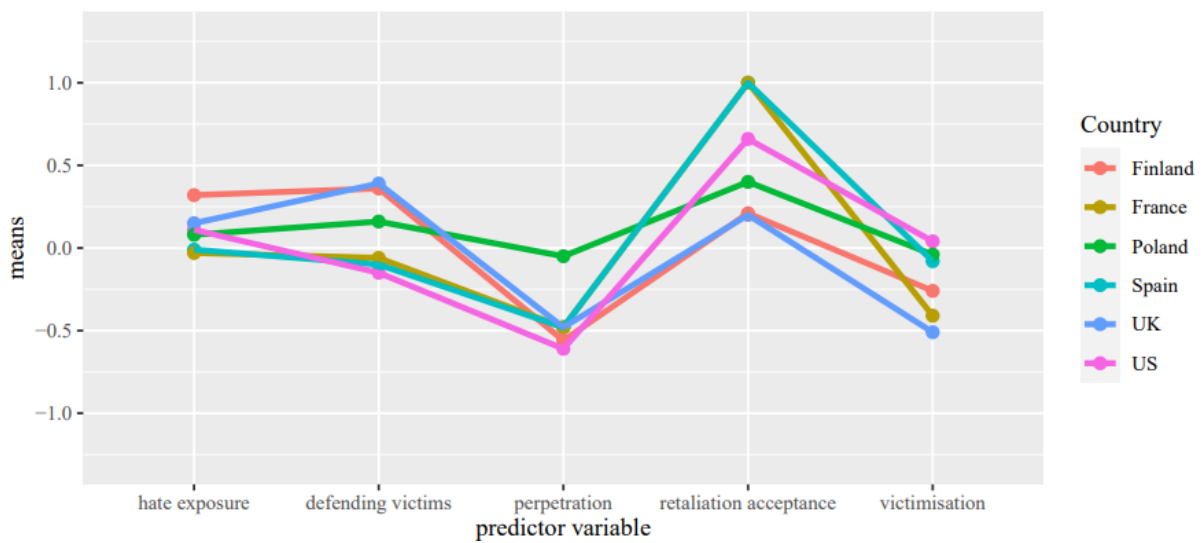
Note. Figure displays z-standardized means.

Figure S11. Defenders Across Countries.



Note. Figure displays z-standardized means; "Spain 1" refers to "defender-victim", "Spain 2" to "standard defender".

Figure S12. Tolerators Across Countries.



Note. Figure displays z-standardized means.

Supplementary Material S3: Means, Standard Deviations All Countries

Table S7. Means and Standard Deviations US.

| US (<i>n</i> = 1,000) | PVs (<i>n</i> = 305; 30.5%) | Uninvolved (<i>n</i> = 93; 9.3%) | Tolerators (<i>n</i> = 181; 18.1%) | Defenders (<i>n</i> = 273; 27.3%) | Observers (<i>n</i> = 148; 14.8%) | <i>F(df)</i> |
|---------------------------|---------------------------------|--------------------------------------|--|---------------------------------------|---------------------------------------|----------------|
| Perpetration | 1.38 (0.49) ²³⁴⁵ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 1398 (4,995) |
| Victimization | 2.37 (0.98) ²³⁴⁵ | 1.06 (0.14) ¹³ | 1.68 (0.75) ¹²⁴⁵ | 1.25 (0.28) ¹³ | 1.09 (0.14) ¹³ | 167 (4,995) |
| Retaliation acceptance | 3.14 (1.41) ²⁴⁵ | 1.26 (0.42) ¹³ | 3.10 (1.30) ²⁴⁵ | 1.27 (0.39) ¹³ | 1.27 (0.39) ¹³ | 217.49 (4,995) |
| Defending victims | 2.62 (0.96) ²³⁴⁵ | 1.38 (0.49) ¹³⁴ | 2.31 (1.10) ¹²⁴⁵ | 3.38 (0.54) ¹²³⁵ | 1.43 (0.50) ¹³⁴ | 199.6 (4,995) |
| Hate exposure | 2.63 (1.02) ²³⁴⁵ | 1.78 (0.41) ¹³⁴⁵ | 2.90 (0.91) ¹²⁵ | 3.04 (0.74) ¹² | 3.25 (0.43) ¹²³ | 57.65 (4,995) |
| Anger | 63.12 (28.25) ⁴ | 59.61 (32.21) ⁴ | 70.79 (28.71) | 75.86 (24.87) ¹² | 70.68 (27.43) | 6.79 (4,995) |
| Hate | 52.92 (29.02) ²³⁴⁵ | 34.46 (29.52) ¹ | 40.19 (30.36) ¹⁵ | 35.86 (31.72) ¹⁵ | 23.60 (26.62) ¹³⁴ | 17.67 (4,995) |
| Pride | 40.55 (35.37) ²³⁴⁵ | 11.83 (26.84) ¹ | 10.68 (20.53) ¹ | 3.70 (10.11) ¹ | 2.63 (6.97) ¹ | 55.86 (4,995) |
| Guilt | 40.70 (32.90) ²³⁴⁵ | 18.26 (20.63) ¹ | 20.63 (26.68) ¹ | 15.71 (23.72) ¹ | 11.57 (22.01) ¹ | 25.02 (4,995) |
| Shame | 54.93 (31.44) | 40.38 (32.22) | 50.83 (35.63) | 56.74 (35.14) ⁵ | 44.73 (34.89) ⁴ | 3.16 (4,995) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 301 (30,10%) male, 697 (69,70%) female, 2 (0,20%) NA, mean age: 21.90.

Table S8. Means and Standard Deviations UK.

| UK (<i>n</i> = 879) | PVs (<i>n</i> = 215; 24.5%) | Uninvolved (<i>n</i> = 84; 9.6%) | Tolerators (<i>n</i> = 300; 34.1%) | Defenders (<i>n</i> = 141; 16.0%) | Observers (<i>n</i> = 139; 15.8%) | <i>F(df)</i> |
|-------------------------|---------------------------------|--------------------------------------|--|---------------------------------------|---------------------------------------|---------------|
| Perpetration | 1.11 (0.62) ²³⁴⁵ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 526.8 (4,874) |
| Victimization | 2.02 (0.85) ²³⁴⁵ | 1.02 (0.08) ¹⁴ | 1.05 (0.10) ¹⁴ | 1.67 (0.56) ¹²³⁵ | 1.04 (0.09) ¹⁴ | 170.2 (4,874) |
| Retaliation acceptance | 3.16 (1.35) ²³⁴⁵ | 1.33 (0.45) ¹³ | 2.27 (1.28) ¹²⁴⁵ | 1.26 (0.36) ¹³ | 1.41 (0.45) ¹³ | 108.4 (4,874) |
| Defending victims | 2.47 (1.00) ²³⁴⁵ | 1.00 (0) ¹³⁴⁵ | 2.75 (0.89) ¹²⁵ | 2.91 (0.98) ¹²⁵ | 1.45 (0.50) ¹²³⁴ | 127.9 (4,874) |
| Hate exposure | 2.48 (0.91) ²³⁴⁵ | 1.61 (0.49) ¹³⁴⁵ | 2.77 (0.79) ¹²⁴⁵ | 3.02 (0.90) ¹²³ | 3.00 (0) ¹²³ | 60.12 (4,874) |
| Anger | 61.06 (25.88) ³⁴ | 66.84 (29.41) | 75.01 (26.22) ¹ | 78.48 (23.90) ¹ | 69.50 (28.24) | 8.49 (4,874) |
| Hate | 48.18 (26.49) ³⁴ | 39.56 (35.84) | 36.91 (31.90) ¹ | 35.70 (32.02) ¹ | 37.70 (31.16) | 3.45 (4,874) |
| Pride | 30.19 (28.46) ²³⁴⁵ | 6.95 (12.93) ¹ | 3.35 (10.14) ¹ | 5.88 (18.29) ¹ | 3.69 (10.44) ¹ | 37.8 (4,874) |
| Guilt | 38.95 (29.43) ²³⁴⁵ | 19.74 (22.06) ¹ | 19.53 (26.36) ¹ | 19.10 (24.69) ¹ | 18.55 (23.01) ¹ | 12.81 (4,874) |
| Shame | 53.73 (30.73) | 44.72 (35.38) | 55.71 (36.61) | 64.35 (33.47) | 51.68 (37.78) | 2.42 (4,874) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 243 (27,65%) male, 404 (71,90%) female, 4 (0,46%) NA, mean age: 21.73.

Table S9. Means and Standard Deviations Spain.

| SP (<i>n</i> = 680) | PVs (<i>n</i> = 144; 21.2%) | Uninvolved (<i>n</i> = 147; 21.6%) | Tolerators (<i>n</i> = 91; 13.4%) | Defenders (+victim) (<i>n</i> = 93; 13.7%) | Defenders (only) (<i>n</i> = 205; 30.1%) | <i>F(df)</i> |
|-------------------------|---------------------------------|--|---------------------------------------|---|---|---------------|
| Perpetration | 1.22 (0.41) ²³⁴⁵ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 1163 (4,675) |
| Victimization | 1.80 (0.82) ²³⁵ | 1.04 (0.08) ¹³⁴ | 1.30 (0.31) ¹²⁴⁵ | 1.87 (0.56) ²³⁵ | 1.07 (0.11) ¹³⁴ | 102.7 (4,675) |
| Retaliation acceptance | 2.78 (1.39) ²³⁴⁵ | 1.32 (0.44) ¹³ | 3.53 (1.01) ¹²⁴⁵ | 1.36 (0.47) ¹³ | 1.35 (0.43) ¹³ | 181.6 (4,675) |
| Defending victims | 2.61 (0.97) ²⁴⁵ | 1.41 (0.49) ¹³⁴⁵ | 2.53 (1.15) ²⁴⁵ | 3.43 (0.67) ¹²³ | 3.43 (0.50) ¹²³ | 180.7 (4,675) |
| Hate exposure | 2.41 (0.96) ⁴ | 2.35 (0.88) ⁴ | 2.46 (0.91) ⁴ | 3.05 (0.86) ¹²³⁵ | 2.50 (0.94) ⁴ | 9.63 (4,675) |
| Anger | 64.60 (30.28) ⁴⁵ | 69.92 (26.87) ⁴⁵ | 68.73 (29.68) ⁴⁵ | 84.24 (18.65) ¹²³ | 81.95 (19.98) ¹²³ | 11.68 (4,675) |
| Hate | 49.01 (30.78) | 37.36 (30.14) | 50.02 (27.66) | 48.89 (32.90) | 47.60 (34.04) | 1.98 (4,675) |
| Pride | 19.63 (25.92) ⁴⁵ | 9.50 (21.75) | 15.64 (28.51) | 7.96 (18.93) ¹ | 5.44 (16.81) ¹ | 4.51 (4,675) |
| Guilt | 26.20 (27.57) ⁵ | 16.49 (20.57) | 16.00 (21.17) | 16.39 (23.34) | 16.06 (22.96) ¹ | 2.58 (4,675) |
| Shame | 51.23 (33.54) ²⁴⁵ | 65.91 (29.55) ¹ | 57.69 (33.31) | 71.50 (31.91) ¹ | 68.27 (32.56) ¹ | 5.78 (4,675) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 273 (40,15%) male, 404 (59,41%) female, 3 (0,44%) NA, mean age: 21.91.

Table S10. Means and Standard Deviations Poland.

| PL (<i>n</i> = 691) | PVs (<i>n</i> = 50; 7.2%) | Uninvolved (<i>n</i> = 59; 8.5%) | Tolerators (<i>n</i> = 366; 53.0%) | Defenders (<i>n</i> = 104; 15.1%) | Observers (<i>n</i> = 112; 16.2%) | <i>F</i> (<i>df</i>) |
|-------------------------|-------------------------------|--------------------------------------|--|---------------------------------------|---------------------------------------|------------------------|
| Perpetration | 1.44 (0.64) ²³⁴⁵ | 0 (0) ¹³ | 0.18 (0.39) ¹²⁴⁵ | 0 (0) ¹³ | 0 (0) ¹³ | 202.8 (4,686) |
| Victimization | 2.47 (0.82) ²³⁴⁵ | 1.04 (0.10) ¹³ | 1.24 (0.34) ¹²⁴⁵ | 1.11 (0.14) ¹³ | 1.05 (0.09) ¹³ | 184.8 (4,686) |
| Retaliation acceptance | 3.43 (1.21) ²³⁴⁵ | 1.28 (0.43) ¹³ | 2.75 (1.28) ¹²⁴⁵ | 1.25 (0.36) ¹³ | 1.24 (0.36) ¹³ | 104.1 (4,686) |
| Defending victims | 2.54 (0.84) ²⁴⁵ | 1.41 (0.50) ¹³⁴ | 2.60 (0.95) ²⁴⁵ | 3.38 (0.49) ¹²³⁵ | 1.49 (0.50) ¹³⁴ | 105.5 (4,686) |
| Hate exposure | 2.54 (0.84) ²³⁴⁵ | 1.78 (0.42) ¹³⁴⁵ | 2.84 (0.82) ¹² | 3.00 (0) ¹² | 3.00 (0) ¹² | 43.59 (4,686) |
| Anger | 52.39 (26.43) | 54.35 (32.22) | 55.45 (31.73) ⁴ | 66.81 (27.53) ³ | 58.12 (27.55) | 2.37 (4,686) |
| Hate | 43.56 (26.25) ³⁵ | 28.93 (29.47) | 28.55 (26.73) ¹ | 32.34 (25.30) | 26.95 (25.89) ¹ | 3.02 (4,686) |
| Pride | 40.63 (31.07) ²³⁴⁵ | 1.33 (1.97) ¹ | 9.29 (21.20) ¹ | 4.49 (9.36) ¹ | 5.19 (15.25) ¹ | 22.65 (4,686) |
| Guilt | 36.20 (24.59) ²³⁴⁵ | 9.69 (14.23) ¹ | 13.48 (21.44) ¹ | 13.90 (21.33) ¹ | 11.89 (16.21) ¹ | 10.12 (4,686) |
| Shame | 43.68 (27.91) | 18.07 (22.49) | 39.24 (32.52) | 41.05 (31.61) | 33.59 (31.67) | 2.35 (4,686) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 203 (29,38%) male, 486 (70,33%) female, 2 (0,29%) NA, mean age: 21.49.

Table S11. Means and Standard Deviations France.

| FR (<i>n</i> = 844) | PVs (<i>n</i> = 198; 23.5%) | Uninvolved (<i>n</i> = 117; 13.9%) | Tolerators (<i>n</i> = 149; 17.7%) | Defenders (<i>n</i> = 217; 25.7%) | Observers (<i>n</i> = 163; 19.3%) | <i>F</i> (<i>df</i>) |
|-------------------------|---------------------------------|--|--|---------------------------------------|---------------------------------------|------------------------|
| Perpetration | 1.08 (0.54) ²³⁴⁵ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 635.7 (4,839) |
| Victimization | 1.98 (0.94) ²³⁴⁵ | 1.04 (0.10) ¹⁴ | 1.07 (0.15) ¹⁴ | 1.33 (0.48) ¹²³⁵ | 1.04 (0.10) ¹⁴ | 106.5 (4,839) |
| Retaliation acceptance | 2.65 (1.39) ²³⁴⁵ | 1.24 (0.38) ¹³⁴ | 3.83 (0.67) ¹²⁴⁵ | 1.64 (0.74) ¹²³ | 1.41 (0.46) ¹³ | 241.5 (4,839) |
| Defending victims | 2.43 (1.00) ²³⁴⁵ | 1.27 (0.45) ¹³⁴ | 2.19 (1.11) ¹²⁴⁵ | 3.40 (0.51) ¹²³⁵ | 1.27 (0.45) ¹³⁴ | 239.5 (4,839) |
| Hate exposure | 2.64 (0.88) ²⁵ | 1.70 (0.46) ¹³⁴⁵ | 2.64 (0.79) ²⁵ | 2.81 (0.84) ²⁵ | 3.23 (0.42) ¹²³⁴ | 77.43 (4,839) |
| Anger | 63.82 (27.55) ⁴ | 62.00 (29.88) | 60.90 (30.54) ⁴ | 75.79 (22.45) ¹³ | 67.95 (28.47) | 5.03 (4,839) |
| Hate | 51.44 (29.53) ²⁵ | 31.11 (26.28) ¹ | 45.70 (30.60) | 49.20 (34.24) | 38.45 (31.75) ¹ | 3.92 (4,839) |
| Pride | 33.82 (33.06) ²³⁴⁵ | 12.52 (23.19) ¹ | 7.14 (18.96) ¹ | 8.69 (19.24) ¹ | 3.42 (8.81) ¹ | 18.8 (4,839) |
| Guilt | 37.93 (30.77) ³⁴⁵ | 26.65 (27.13) | 22.37 (28.68) ¹ | 25.11 (31.54) ¹ | 16.49 (26.30) ¹ | 5.71 (4,839) |
| Shame | 55.42 (30.68) | 48.39 (33.86) | 42.25 (34.25) | 51.29 (34.98) | 46.83 (34.42) | 1.79 (4,839) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 295 (34,95%) male, 547 (64,81%) female, 2 (0,24%) NA, mean age: 21.48.

Table S12. Means and Standard Deviations Finland.

| FI (<i>n</i> = 461) | PVs (<i>n</i> = 144; 31.2%) | Uninvolved (<i>n</i> = 67; 14.5%) | Tolerators (<i>n</i> = 127; 27.5%) | Defenders (<i>n</i> = 30; 6.5%) | Observers (<i>n</i> = 93; 20.2%) | <i>F</i> (<i>df</i>) |
|-------------------------|---------------------------------|---------------------------------------|--|-------------------------------------|--------------------------------------|------------------------|
| Perpetration | 1.15 (0.63) ²³⁴⁵ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 0 (0) ¹ | 264.9 (4,456) |
| Victimization | 1.61 (0.81) ²³⁴⁵ | 1.05 (0.12) ¹ | 1.08 (0.14) ¹ | 1.02 (0.05) ¹ | 1.01 (0.04) ¹ | 36.12 (4,456) |
| Retaliation acceptance | 2.86 (1.41) ²³⁴⁵ | 1.36 (0.41) ¹³ | 2.37 (1.08) ¹²⁴⁵ | 1.19 (0.22) ¹³ | 1.43 (0.44) ¹³ | 48.49 (4,456) |
| Defending victims | 2.62 (0.99) ²⁵ | 1.94 (0.94) ¹³⁴⁵ | 2.72 (1.03) ²⁵ | 3.00 (0) ²⁵ | 1.52 (0.50) ¹²³⁴ | 37.27 (4,456) |
| Hate exposure | 2.94 (0.82) ² | 2.00 (0) ¹³⁴⁵ | 3.15 (0.69) ² | 3.00 (0) ² | 3.13 (0.56) ² | 41.87 (4,456) |
| Anger | 50.83 (30.41) ¹ | 49.43 (27.92) | 64.02 (32.20) ³ | 66.58 (30.44) | 60.57 (31.04) | 3.39 (4,456) |
| Hate | 42.46 (29.28) | 35.16 (31.91) | 45.27 (29.58) | 42.53 (29.73) | 39.64 (30.07) | 0.62 (4,456) |
| Pride | 18.45 (25.93) ³⁵ | 3.60 (8.05) | 2.45 (3.75) ¹ | 2.80 (7.47) | 5.50 (10.65) ¹ | 8.06 (4,456) |
| Guilt | 22.53 (29.05) | 25.55 (26.77) | 12.67 (14.73) | 7.23 (12.89) | 15.32 (17.24) | 2.82 (4,456) |
| Shame | 41.57 (30.58) | 45.53 (28.68) | 48.06 (34.05) | 44.83 (34.09) | 49.80 (35.27) | 0.76 (4,456) |

Note. Superscript numbers indicate $p < .05$ between according profiles; Demographic information: 151 (32,75%) male, 310 (67,25%) female, mean age: 21.51.

Table S13. Means and Standard Deviations per Variable Across Countries.

| | US (n = 1,000) | UK (n = 879) | Spain (n = 680) | Poland (n = 691) | France (n = 844) | Finland (n = 461) |
|------------------------|-------------------|-----------------|--------------------|---------------------|---------------------|----------------------|
| Age | 21.90 (2.19) | 21.72 (2.26) | 21.91 (2.27) | 21.46 (2.24) | 21.47 (2.18) | 21.53 (2.30) |
| Gender | 1.69 (0.46) | 1.72 (0.45) | 1.59 (0.49) | 1.71 (0.46) | 1.64 (0.48) | 1.67 (0.47) |
| Hate exposure | 2.80 (0.90) | 2.65 (0.87) | 2.52 (0.94) | 2.78 (0.73) | 2.66 (0.86) | 2.90 (0.74) |
| Victimisation | 1.64 (0.84) | 1.40 (0.66) | 1.36 (0.57) | 1.26 (0.48) | 1.34 (0.65) | 1.22 (0.53) |
| Perpetration | 0.42 (0.69) | 0.27 (0.57) | 0.26 (0.53) | 0.20 (0.48) | 0.25 (0.52) | 0.36 (0.64) |
| Retaliation acceptance | 2.18 (1.36) | 2.13 (1.29) | 1.95 (1.19) | 2.20 (1.29) | 2.16 (1.25) | 2.11 (1.19) |
| Defending victims | 2.48 (1.07) | 2.33 (1.06) | 2.70 (1.08) | 2.43 (1.00) | 2.25 (1.12) | 2.35 (1.01) |
| Anger | 69.12 (27.94) | 70.58 (26.91) | 74.44 (26.14) | 57.36 (30.01) | 67.59 (27.47) | 58.32 (31.30) |
| Hate | 40.94 (31.24) | 40.17 (30.65) | 46.92 (31.65) | 30.58 (26.62) | 45.87 (31.78) | 42.31 (29.75) |
| Pride | 19.48 (30.24) | 12.84 (22.88) | 11.75 (23.00) | 11.68 (23.24) | 15.95 (26.38) | 10.03 (19.27) |
| Guilt | 25.25 (29.92) | 25.21 (27.63) | 18.53 (23.65) | 15.43 (21.62) | 26.65 (30.19) | 17.68 (23.09) |
| Shame | 52.42 (34.12) | 55.80 (34.66) | 62.96 (32.95) | 37.99 (31.64) | 49.82 (33.39) | 45.84 (32.77) |

Supplementary Material S4: Survey Questions

Hate Exposure

How frequently do you see material online that expresses negative views toward some group?

1 = I never see this type of material

2 = I see this type of material very infrequently

3 = I see this type of material occasionally

4 = I see this type of material frequently

Victimization

In the past three months, how frequently have you personally been attacked online because of any of the following?

- your ethnicity or race
- your nationality
- your sexual orientation
- your religious conviction/belief
- a disability
- your sex or gender
- gender identity

1 = never

2 = once or twice

3 = 3 to 5 times

4 = 6 to 10 times

5 = 11 or more times

Bystander Intervention

When people on social networking sites are being mean or offensive, how often does each of the following happen?

You defend the person or group being attacked

1 = never

2 = only once in a while

3 = sometimes

4 = frequently

Perpetration

Have you ever produced online material that other people would likely interpret as hateful or degrading?

1 = yes

2 = no

When people on social networking sites are being mean or offensive, how often does each of the following happen?

You join the mean behavior

1 = never

2 = only once in a while

3 = sometimes

4 = frequently

Retaliation Acceptance

Now thinking about hateful or degrading messages and comments on the internet (e.g., insulting someone on social media), how strongly do you agree or disagree with the following statements?

- It is OK to send hateful or degrading messages against someone online if they start to attack you first
- It is OK to send hateful or degrading messages against someone online if they insult your friends or your family
- It is OK to send hateful or degrading messages against someone online if these people make fun of you or insult you because of your religion, your origin or the color of your skin

1 = strongly agree

2 = agree

3 = neither agree nor disagree

4 = disagree

5 = strongly disagree

Education

What is the highest level of education you have achieved?

1 = Less than a High School diploma

2 = High School degree

3 = some college

4 = college degree

5 = A master's degree, professional degree, or higher

Religiosity

How important is religion in your life?

1 = not important at all

2 = slightly important

3 = moderately important

4 = very important

5 = extremely important

Internet Use

Approximately how many hours a day do you use the internet?

1 = less than one hour per day

2 = one or two hours per day

3 = three to five hours per day

4 = Six to seven hours per day

5 = Eight to nine hours per day

6 = Ten or more hours per day

Supplementary Material S5

Table S14. Mean Differences Between Cases Included and Excluded in the LPA.

| Variable | Cohen's <i>d</i> | 95% CI (lower; upper) | Means (<i>SD</i>) excluded cases (<i>n</i> = 508) | Means (<i>SD</i>) included cases (<i>n</i> = 4,555) |
|------------------------|------------------|-----------------------|--|--|
| Hate exposure | -0.25 | -0.34; -0.16 | 2.50 (0.91) | 2.72 (0.86) |
| Victimization | -0.03 | -0.6; 0.12 | 1.41 (0.70) | 1.39 (0.66) |
| Perpetration | 0.09 | -0.01; 0.19 | 0.35 (0.60) | 0.30 (0.59) |
| Defending victims | -0.17 | -0.26; -0.7 | 2.24 (1.07) | 2.42 (1.07) |
| Retaliation acceptance | 0.33 | 0.16; 0.5 | 2.54 (1.46) | 2.12 (1.27) |

Supplementary Material S6: OSF Link to R scripts

https://osf.io/nzwpd/?view_only=64c30d6f951b468ab4ce73813c4d51bd

Please note that the online supplementary does not include the raw data as the ownership belongs to Hawdon et al. (2018).

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