# A tibble: 1,200 × 21  
 exposure sharing anti\_fake\_news content\_filt human\_int ethic alg\_lit  
 <dbl+lbl> <dbl+l> <dbl> <dbl+lbl> <dbl+lbl> <dbl+l> <dbl>  
 1 3 [Al meno… 0 [Nev… 2 5 [Completa… 5 [Compl… 5 [Com… 1  
 2 NA(9) [NS-NR] 0 [Nev… 1 1 [Nada con… 1 [Nada … 1 [Nad… 0  
 3 1 [Nunca o… 0 [Nev… 1 1 [Nada con… 1 [Nada … 1 [Nad… 0  
 4 1 [Nunca o… 1 [Hav… 2.33 1 [Nada con… 1 [Nada … 1 [Nad… 1  
 5 2 [Dos o t… 0 [Nev… 2 1 [Nada con… 1 [Nada … 1 [Nad… 0  
 6 4 [Todos l… 0 [Nev… 3.33 5 [Completa… 5 [Compl… 5 [Com… 1  
 7 1 [Nunca o… 0 [Nev… 1 5 [Completa… 5 [Compl… 5 [Com… 1  
 8 4 [Todos l… 0 [Nev… 1 5 [Completa… 5 [Compl… 5 [Com… 1  
 9 3 [Al meno… 0 [Nev… 1.33 3 [3] 5 [Compl… 4 [4] 0  
10 1 [Nunca o… 0 [Nev… 1 4 [4] 3 [3] 4 [4] NA  
# ℹ 1,190 more rows  
# ℹ 14 more variables: alg\_aware <dbl>, fb <dbl+lbl>, ig <dbl+lbl>,  
# wsp <dbl+lbl>, yt <dbl+lbl>, tw <dbl+lbl>, tiktok <dbl+lbl>, age <dbl>,  
# age\_range <dbl+lbl>, gender <dbl+lbl>, educ\_level <dbl+lbl>,  
# ppal\_educ\_level <dbl+lbl>, ppal\_ocupation <dbl+lbl>, rm <dbl+lbl>

# A tibble: 2,265 × 38  
 exposure sharing vulnerability info\_type obj\_know obj\_know3 subj\_know  
 <dbl+lbl> <dbl+l> <dbl+lbl> <dbl+lbl> <dbl> <dbl> <dbl>  
 1 4 [Casi siempre] 1 [Hav… 4 [De acuerd… 3 [Infor… 2 2 4   
 2 4 [Casi siempre] 1 [Hav… 4 [De acuerd… 1 [Uninf… 0 3 3.33  
 3 4 [Casi siempre] 0 [Nev… 4 [De acuerd… 1 [Uninf… 0 1 5   
 4 3 [A veces] 0 [Nev… 4 [De acuerd… 3 [Infor… 6 6 3.83  
 5 3 [A veces] 0 [Nev… 4 [De acuerd… 3 [Infor… 2 3 3.25  
 6 3 [A veces] 0 [Nev… 4 [De acuerd… 2 [Misin… -1 2 3.60  
 7 5 [Siempre] 1 [Hav… 3 [Ni de acu… 3 [Infor… 1 2 3.33  
 8 2 [Casi nunca] 0 [Nev… 4 [De acuerd… 3 [Infor… 1 1 4   
 9 4 [Casi siempre] 1 [Hav… 5 [Muy de ac… 3 [Infor… 3 4 5   
10 4 [Casi siempre] 1 [Hav… 4 [De acuerd… 1 [Uninf… 0 2 3   
# ℹ 2,255 more rows  
# ℹ 31 more variables: subj\_know\_def <dbl>, content\_filt <dbl+lbl>,  
# human\_int <dbl+lbl>, ethic <dbl+lbl>, alg\_lit <dbl>, alg\_aware <dbl>,  
# counteract\_algorithm <dbl>, fb <dbl+lbl>, ig <dbl+lbl>, wsp <dbl+lbl>,  
# yt <dbl+lbl>, tw <dbl+lbl>, tiktok <dbl+lbl>, p60 <dbl+lbl>, p61 <dbl+lbl>,  
# p62 <dbl+lbl>, p63 <dbl+lbl>, p64 <dbl+lbl>, age <dbl>,  
# age\_range <dbl+lbl>, gender <dbl+lbl>, educ\_level <dbl+lbl>, …

| Variable | Mean (SD)/Prop. | Min. | Max. | Cronbach's Alpha | Missings (%) |
| --- | --- | --- | --- | --- | --- |
| Perceived misinformation exposure | 2.05 (1.09) | 1 | 5 |  | 5.75% |
| Perceived misinformation sharing | 0.22 (0.42) | 0 | 1 |  | 6.25% |
| Algorithmic Awareness | 2.62 (1.57) | 1 | 5 | 0.97 | 17.33% |
| Weekly Whatsapp use | 1: 958 0: 242 | 0 | 1 |  | 0% |
| Weekly Instagram use | 1: 544 0: 656 | 0 | 1 |  | 0% |
| Weekly Facebook use | 1: 743 0: 457 | 0 | 1 |  | 0% |
| Weekly Youtube use | 1: 699 0: 501 | 0 | 1 |  | 0% |
| Weekly Twitter use | 1: 157 0: 1043 | 0 | 1 |  | 0% |
| Weekly Tiktok use | 1: 477 0: 723 | 0 | 1 |  | 0% |
| Age (continuous) | 51.07 (18.6) | 14 | 96 |  | 0% |
| Gender | Female: 511 Male: 689 | 0 | 1 |  | 0% |
| Metropolitan region | Rm: 200 Other: 1000 | 0 | 1 |  | 0% |
| Educational level | Primary education or less: 345 Incomplete secondary education: 164 Complete secondary education: 297 Post-secondary/technical education: 167 College education or more: 222 | 1 | 5 |  | 0.42% |

| Variable | Mean (SD)/Prop. | Min. | Max. | Cronbach's Alpha | Missings (%) |
| --- | --- | --- | --- | --- | --- |
| Perceived misinformation exposure | 3.54 (0.97) | 1 | 5.0 |  | 1.59% |
| Perceived misinformation sharing | 0.28 (0.45) | 0 | 1.0 |  | 1.19% |
| Objective news knowledge | 4.25 (0.93) | -6 | 6.0 |  | 0% |
| Subjective news knowledge | 1.64 (1.64) | 1 | 5.0 | 0.72 | 0.62% |
| Overconfidence knowledge | 1.77 (0.97) | -3 | 3.5 | 0.8 | 0.62% |
| Algorithmic Awareness | 3.85 (0.97) | 1 | 5.0 |  | 27.28% |
| Algorithmic actions/counteractions | -0.01 (0.97) | 0 | 5.0 |  | 0% |
| Weekly Whatsapp use | 1: 978 0: 1286 | 0 | 1.0 |  | 0.04% |
| Weekly Instagram use | 1: 1168 0: 1093 | 0 | 1.0 |  | 0.18% |
| Weekly Facebook use | 1: 1236 0: 1027 | 0 | 1.0 |  | 0.09% |
| Weekly Youtube use | 1: 831 0: 1433 | 0 | 1.0 |  | 0.04% |
| Weekly Twitter use | 1: 480 0: 1781 | 0 | 1.0 |  | 0.18% |
| Weekly Tiktok use | 1: 588 0: 1675 | 0 | 1.0 |  | 0.09% |
| Age (continuous) | 46.57 (14.52) | 18 | 93.0 |  | 0% |
| Gender | Female: 784 Male: 1481 | 0 | 1.0 |  | 0% |
| Metropolitan region | Rm: 789 Other: 1476 | 0 | 1.0 |  | 0% |
| Educational level | Primary education or less: 100 Incomplete secondary education: 104 Complete secondary education: 649 Post-secondary/technical education: 464 College education or more: 948 | 1 | 5.0 |  | 0% |

# Modelos

Table 1. OLS model Perceived misinformation exposure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Study 1 | | Study 2 | |
| Predictors | β | std. Error | β | std. Error |
| (Intercept) | 2.06 \*\*\* | 0.21 | 3.27 \*\*\* | 0.19 |
| Alg. Awareness | 0.07 \* | 0.03 | 0.13 \*\*\* | 0.03 |
| Age | -0.01 \*\*\* | 0.00 | 0.00 | 0.00 |
| Gender (Women = 1) | -0.01 | 0.07 | -0.07 | 0.05 |
| Region (MR = 1) | 0.17 \* | 0.08 | 0.04 | 0.05 |
| Educational level | 0.03 | 0.03 | -0.09 \*\* | 0.03 |
| Whatsapp weekly use | 0.27 \* | 0.12 | -0.04 | 0.05 |
| Instagram weekly use | -0.05 | 0.09 | -0.04 | 0.05 |
| Facebook weekly use | 0.37 \*\*\* | 0.09 | 0.04 | 0.05 |
| Youtube weekly use | 0.01 | 0.08 | 0.05 | 0.05 |
| Twitter weekly use | 0.05 | 0.10 | 0.22 \*\*\* | 0.05 |
| TikTok weekly use | -0.02 | 0.08 | 0.14 \*\* | 0.05 |
| Observations | 954 | | 1627 | |
| R2 / R2 adjusted | 0.226 / 0.217 | | 0.042 / 0.036 | |
| \* p<0.05   \*\* p<0.01   \*\*\* p<0.001 | | | | |

Table 2. Logistic model Perceived misinformation sharing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Study 1 | | Study 2 | |
| Predictors | β (Logit) | std. Error | β (Logit) | std. Error |
| (Intercept) | -2.01 \*\*\* | 0.59 | -1.96 \*\*\* | 0.47 |
| Alg. Awareness | -0.24 \*\* | 0.07 | 0.03 | 0.07 |
| Age | -0.00 | 0.01 | 0.01 | 0.00 |
| Gender (Women = 1) | -0.04 | 0.17 | -0.23 | 0.12 |
| Metropolitan Region | 1.22 \*\*\* | 0.20 | 0.03 | 0.12 |
| Educational level | -0.06 | 0.07 | 0.05 | 0.07 |
| Whatsapp weekly use | -0.18 | 0.41 | 0.00 | 0.12 |
| Instagram weekly use | 0.33 | 0.23 | 0.15 | 0.13 |
| Facebook weekly use | 0.76 \*\* | 0.24 | 0.30 \* | 0.12 |
| Youtube weekly use | 0.88 \*\*\* | 0.24 | 0.11 | 0.12 |
| Twitter weekly use | 0.76 \*\*\* | 0.22 | 0.27 \* | 0.13 |
| TikTok weekly use | 0.42 \* | 0.20 | 0.30 \* | 0.13 |
| Observations | 948 | | 1631 | |
| R2 Tjur | 0.147 | | 0.021 | |
| \* p<0.05   \*\* p<0.01   \*\*\* p<0.001 | | | | |

Table 3. OLS models Study 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Perceived Misinformation Exposure | | Objective news knowledge | | Subjective news knowledge | | Knowledge overconfidence | |
| Predictors | β | std. Error | β | std. Error | β | std. Error | β | std. Error |
| (Intercept) | 3.21 \*\*\* | 0.19 | -3.52 \*\*\* | 0.44 | 2.07 \*\*\* | 0.12 | -0.12 | 0.20 |
| Alg. Awareness | 0.13 \*\*\* | 0.03 | 0.39 \*\*\* | 0.06 | 0.17 \*\*\* | 0.02 | 0.05 | 0.03 |
| Alg. counteractions | 0.04 \*\* | 0.01 | 0.01 | 0.03 | 0.02 \* | 0.01 | 0.02 | 0.02 |
| Age | 0.00 | 0.00 | 0.04 \*\*\* | 0.00 | 0.01 \*\*\* | 0.00 | 0.00 | 0.00 |
| Gender (Women = 1) | -0.07 | 0.05 | -0.56 \*\*\* | 0.11 | -0.18 \*\*\* | 0.03 | -0.03 | 0.05 |
| Metropolitan Region | 0.04 | 0.05 | 0.28 \* | 0.11 | 0.06 | 0.03 | -0.03 | 0.05 |
| Educational level | -0.09 \*\* | 0.03 | 0.63 \*\*\* | 0.06 | 0.12 \*\*\* | 0.02 | -0.08 \*\* | 0.03 |
| Whatsapp weekly use | -0.05 | 0.05 | -0.03 | 0.12 | 0.03 | 0.03 | 0.02 | 0.05 |
| Instagram weekly use | -0.04 | 0.05 | 0.15 | 0.12 | -0.05 | 0.03 | -0.10 | 0.05 |
| Facebook weekly use | 0.04 | 0.05 | -0.05 | 0.12 | 0.00 | 0.03 | 0.04 | 0.05 |
| Youtube weekly use | 0.05 | 0.05 | -0.15 | 0.11 | 0.02 | 0.03 | 0.04 | 0.05 |
| Twitter weekly use | 0.21 \*\*\* | 0.05 | 0.45 \*\*\* | 0.12 | 0.17 \*\*\* | 0.03 | 0.02 | 0.06 |
| TikTok weekly use | 0.15 \*\* | 0.05 | -0.51 \*\*\* | 0.13 | -0.05 | 0.03 | 0.07 | 0.06 |
| Observations | 1627 | | 1644 | | 1644 | | 1644 | |
| R2 / R2 adjusted | 0.047 / 0.040 | | 0.231 / 0.225 | | 0.284 / 0.278 | | 0.016 / 0.009 | |
| \* p<0.05   \*\* p<0.01   \*\*\* p<0.001 | | | | | | | | |