|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Truth\_Gender** | **Truth\_Age** | **Acc\_Gender** | **Acc\_Age** |
| **Main effect of valence** | Positive>negative t(512) = -2.16 , p = .031 | Positive>negative (t[502] = -3.19 , p = .002) | Positive>negative  (t[512] = -5.40 , p =  .000) | Positive>negative  (t[502] = -6.77 , p = .000) |
| **Interaction effect: valence\*membership** | F(1,1024) = 3.82, p = .051 | F(1,788) = 0.20, p = .654 | F(1,1024) =  3.08, p = .080 | (F[1,788] = 0.17, p =  .680) |
| **Planned contrasts** | Ingroup: Positive>negative (T[1024] = -3.33 , p = .001) | Ingroup: Positive>negative (t[788] = -3.63 , p = .000) |  |  |
| Outgroup: Positive>negative (t[1024] = -0.56 , p = .573 | Outgroup: Positive>negative (t[788] = -4.06 , p = .000) |  |  |
| Positive:  ingroup>outgroup  (t[1024] = -1.63 , p = .102) | Positive: ingroup>outgroup  (t[788] = 0.29 , p = .775) | Positive: ingroup>outgroup  (t[1024] = -0.77 , p = .444) | Positive: outgroup>ingroup  (t[788] = 0.71 , p = .480) |
| Negative: outgroup>ingroup  (t[1024] = 1.13 , p = .259) | Negative: outgroup>ingroup  (t[788] = 0.92 , p = .357) | Negative: outgroup>ingroup  (t[1024] = 1.72 , p = .086) | Negative: outgroup>ingroup  (t[788] = 1.29 , p = .197) |
|  |  |  |  |  |

Pre-registered analysis

▇ Significant

▇ Marginally significant

Exploratory analysis: Truth & Acc

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Truth\_  gender | | Truth\_  age | | Acc\_  gender | | Acc\_  age | | |
| 3-way  Interaction:  Consistency\*  Valence\*  Membership | (F[1,1020] = 0.42, p = .515) | | (F[1,784] = 0.65, p = .422) | | (F[1,1020] = 0.01, p = .943) | | (F[1,784] = 0.07, p = .786) | | |
| Significant simple effects under 3-way interaction | Main effect of valence | Stereotypical:  (t[528] = 1.41,  p = .235) | Main effect of valence | Stereotypical:  (t[426]= 52.80,  p = .000) | Main effect of valence | Stereotypical:  (t[528] = 29.18, p = .000) | Main effect of valence | Stereotypical:  (t[426] = 113.10,  p = .000) | |
| Counter-  stereotypical:  (t[492] = 9.01,  p = .003) | Counter-  stereotypical:  (t[358] = 4.29,  p = .039) | Counter-  stereotypical:  (t[492] = 21.56,  p = .000) | Counter stereotypical:  (t[358] = 15.25,  p = .000) | |
| Interaction effect：  Valence\* membership | Stereotypical:  (F[1,528] = 3.31, p = .069) | Main effect of membership | Stereotypical:  (t[426] = 3.32,  p = .069) |  | |  | | |
| Counter-  stereotypical:  (F[1,492] = 1.00, p = .317) | Counter-  stereotypical:  (t[358] =0.25,  p = .615) |  | |  | | |
| 3-way  Interaction:  Format\*  Valence\*  Membership | (F[1,1020] = 0.28, p = .594) | | (F[1,784] = 0.04, p = .835). | | (F[1,1020] = 0.32, p = .569). | | (F[1,784] = 0.00, p = .951) | | |
| Significant simple effects under 3-way interaction | Main effect of valence | Implicit:  (t[496] = 45.98, p = .000) | Main effect of valence | Implicit:  (t[382] = 39.17, p = .000) | Main effect of valence | implicit:  (t[496] = 104.60, p = .000) | Main effect of valence | | Implicit:  (t[382] = 96.71,  p = .000) |
| Explicit:  (t[524] = 1.78,  p = .183) | Explicit:  (t[402] = 5.63,  p = .018) | Explicit:  (t[524] = 0.28,  p = .598) | Explicit:  (t[402] = 12.89, p =.000). |
|  |  |  |  | Interaction effect:  Valence\*  Membership | Explicit:  (t[524] = 2.87,  p = .091) |  | | |
| Implicit:  Not significant |

Exploratory analysis: Fam& Ster&Posi

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Fam\_  gender | Fam\_  age | Ster\_  gender | Ster\_  age | Posi\_  gender | Posi\_  age |
| Main effect of membership | (t[510] =  0.21 , p = .835) | (t[394] = 0.19 ,  p = .848) | (t[510] = 0.07 , p = .943) | (t[394]= -0.74 , p = .458) | (t[512] = 0.85 , p = .396) | (t[394] =  -0.13 , p = .893) |
| Interaction:  Valence\*  membership | (F[1,1024] = 0.00, p =.991). | (F[1,788] = 0.00,  p =.991) | (F[1,1024] = 0.00, p = .997) | (F[1,788] = 0.30, p = .586) | (F[1,1024] = 4.62, p =  .032) | (F[1,788] = 0.04, p = .851) |
| Significant simple effects under 2-way interaction |  |  |  |  | Main effect of valence:  Positive>negative  Ingroup: (t[1024] = -17.25 , p = .000)  outgroup (t[1024] = -14.21 , p = .000) | Main effect of valence:  Positive>negative:  ingroup (t[788] = -13.55 , p = .000)  outgroup (t[788] = -17.61 , p = .000) |
| Main effect of membership:  Negative:  (t[1024] = 2.11 , p = .035)  Positive:  (t[1024] = -0.93 , p = .354) |
| 3-way  Interaction:  Consistency\*  Valence\*  Membership | (F[1,1020] = 0.00, p = .994) | (F[1,784] = 4.55, p = .033) | (F[1,1020] = 0.00, p = .997) | (F[1,784] = 3.50, p = .062) | (F[1,1020] = 0.00, p = .966) | (F[1,784] = 0.78, p = .376) |
| Significant simple effects under 3-way interaction | Main effect of consistency  (F[1,1020] = 2.89, p = .089) | Main effect  of consistency  (F[1,784] = 510.23, p = .000) |  | Interaction:  Valence\*  Membership  Stereotypical:  (F[1,426] = 3.66, p = .056)  Counter stereotypical:  (F[1,358] = 0.70, p = .403) | main effect of valence  Stereotypical: (t[528] = 269.25, p = .000)  counter stereotypical:  (t[492] = 229.57,  p = .000). | main effect of valence  stereotypical (t[426] = 395.32, p = .000)  counter stereotypical:  (t[358] = 158.92,  p = .000). |
| 3-way  Interaction:  Format\*  Valence\*  Membership | (F[1,1020] = 0.00, p = .995) | (F[1,784] = 0.00, p = .985) | (F[1,1020] = 0.00,  p= .995) | (F[1,784] = 0.17, p = .679) | (F[1,1020] = 0.09,  p = .763) | (F[1,784] = 0.00,  p = .958) |
| Significant simple effects under 3-way interaction | main effect of format  (F[1,1020] = 3.39, p =  .066) | main effect of format  (F[1,784] = 5.32, p = .021) |  |  | main effect of valence  Implicit: (t[496] = 612.03, p = .000)  Explicit: (t[524] = 91.92, p =.000). | main effect of valence  Implicit:  (t[382] = 601.13, p = .000)  Explicit:  (t[402] = 101.56, p =  .000). |
| Interaction effect:  Valence \* Membership  Explicit: (F[1,524] = 3.23, p = .073)  Implicit: (F[1,496] = 2.06, p = .152) |