**Supplemental Material**

# The Effect of Face Race on Metamemory: Examining its Robustness and Underlying Mechanisms.

This supplement contains additional statistical analyses and materials that contribute to the overall body of knowledge surrounding the present work that we did not include in the manuscript for brevity.

**Experiment 1**

**Table S1**

*RM ANOVA on the proportion of hits*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.115 |  | 1 |  | 0.115 |  | 6.322 |  | 0.015 |  | 0.103 |  |
| Residuals |  | 0.998 |  | 55 |  | 0.018 |  |  |  |  |  |  |  |
| Prototypicality |  | 0.004 |  | 1 |  | 0.004 |  | 0.287 |  | 0.595 |  | 0.005 |  |
| Residuals |  | 0.757 |  | 55 |  | 0.014 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.103 |  | 1 |  | 0.103 |  | 8.441 |  | 0.005 |  | 0.133 |  |
| Residuals |  | 0.673 |  | 55 |  | 0.012 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S2**

*RM ANOVA on the proportion of false alarms*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.434 |  | 1 |  | 0.434 |  | 19.362 |  | < .001 |  | 0.260 |  |
| Residuals |  | 1.234 |  | 55 |  | 0.022 |  |  |  |  |  |  |  |
| Prototypicality |  | 1.050 |  | 1 |  | 1.050 |  | 113.752 |  | < .001 |  | 0.674 |  |
| Residuals |  | 0.507 |  | 55 |  | 0.009 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.011 |  | 1 |  | 0.011 |  | 1.223 |  | 0.274 |  | 0.022 |  |
| Residuals |  | 0.515 |  | 55 |  | 0.009 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S3**

*RM ANOVA on response criterion (c)*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.575 |  | 1 |  | 0.575 |  | 4.306 |  | 0.043 |  | 0.073 |  |
| Residuals |  | 7.344 |  | 55 |  | 0.134 |  |  |  |  |  |  |  |
| Prototypicality |  | 3.000 |  | 1 |  | 3.000 |  | 44.407 |  | < .001 |  | 0.447 |  |
| Residuals |  | 3.715 |  | 55 |  | 0.068 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.282 |  | 1 |  | 0.282 |  | 4.547 |  | 0.037 |  | 0.076 |  |
| Residuals |  | 3.415 |  | 55 |  | 0.062 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S4**

*GLMM examining the relative accuracy of prospective judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 1.91 | 0.22 | 1.53 – 2.39 | 5.72 | **<0.001** |
| FaceRace c | 1.11 | 0.07 | 0.99 – 1.24 | 1.73 | 0.084 |
| Prototypicality c | 0.99 | 0.06 | 0.89 – 1.12 | -0.09 | 0.928 |
| JOLs c | 1.26 | 0.04 | 1.18 – 1.33 | 7.45 | **<0.001** |
| FaceRace c × Prototypicality c | 1.08 | 0.06 | 0.96 – 1.21 | 1.24 | 0.215 |
| FaceRace c × JOLs c | 1.02 | 0.03 | 0.97 – 1.08 | 0.82 | 0.411 |
| Prototypicality c × JOLs c | 1.03 | 0.03 | 0.98 – 1.09 | 1.20 | 0.229 |
| (FaceRace c × Prototypicality c) × JOLs c | 0.95 | 0.03 | 0.90 – 1.00 | -1.81 | 0.070 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.23 | | | | |
| τ00 Subject\_id | 0.52 | | | | |
| τ11 Subject\_id.JOLs\_c | 0.01 | | | | |
| ρ01 Subject\_id | 0.12 | | | | |
| ICC | 0.19 | | | | |
| N Subject\_id | 56 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 3360 | | | | |
| Marginal R2 / Conditional R2 | 0.040 / 0.222 | | | | |

**Table S5**

*GLMM examining the relative accuracy of retrospective judgments for old faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 2.09 | 0.26 | 1.63 – 2.67 | 5.83 | **<0.001** |
| FaceRace c | 1.07 | 0.06 | 0.95 – 1.21 | 1.18 | 0.239 |
| Prototypicality c | 0.98 | 0.06 | 0.87 – 1.10 | -0.41 | 0.679 |
| Conf c | 1.54 | 0.06 | 1.43 – 1.67 | 10.95 | **<0.001** |
| FaceRace c × Prototypicality c | 1.08 | 0.06 | 0.96 – 1.21 | 1.20 | 0.228 |
| FaceRace c × Conf c | 1.04 | 0.03 | 0.99 – 1.09 | 1.65 | 0.100 |
| Prototypicality c × Conf c | 1.00 | 0.02 | 0.95 – 1.05 | -0.04 | 0.969 |
| (FaceRace c × Prototypicality c) × Conf c | 0.98 | 0.02 | 0.93 – 1.03 | -0.88 | 0.380 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.21 | | | | |
| τ00 Subject\_id | 0.67 | | | | |
| τ11 Face\_id.Conf\_c | 0.02 | | | | |
| τ11 Subject\_id.Conf\_c | 0.05 | | | | |
| ρ01 Face\_id | 0.46 | | | | |
| ρ01 Subject\_id | 0.15 | | | | |
| ICC | 0.26 | | | | |
| N Subject\_id | 56 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 3360 | | | | |
| Marginal R2 / Conditional R2 | 0.164 / 0.382 | | | | |

**Table S5**

*GLMM examining the relative accuracy of retrospective judgments for new faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Rec recoded** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 5.00 | 0.72 | 3.76 – 6.64 | 11.09 | **<0.001** |
| Race c | 1.39 | 0.13 | 1.15 – 1.67 | 3.41 | **0.001** |
| Prototipicality c | 1.65 | 0.13 | 1.41 – 1.94 | 6.24 | **<0.001** |
| Conf c | 1.09 | 0.04 | 1.01 – 1.18 | 2.34 | **0.019** |
| Race c × Prototipicality c | 0.99 | 0.08 | 0.85 – 1.16 | -0.07 | 0.944 |
| Race c × Conf c | 1.04 | 0.03 | 0.99 – 1.10 | 1.65 | 0.100 |
| Prototipicality c × Conf c | 1.13 | 0.03 | 1.07 – 1.18 | 4.49 | **<0.001** |
| (Race c × Prototipicality c) × Conf c | 1.04 | 0.03 | 0.98 – 1.09 | 1.35 | 0.177 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.47 | | | | |
| τ00 Subject\_id | 0.77 | | | | |
| τ11 Subject\_id.Race.c | 0.13 | | | | |
| τ11 Subject\_id.Conf\_c | 0.03 | | | | |
| ρ01 Subject\_id.Race.c | 0.16 | | | | |
| ρ01 Subject\_id.Conf\_c | 0.30 | | | | |
| ICC | 0.31 | | | | |
| N Subject\_id | 56 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 3360 | | | | |
| Marginal R2 / Conditional R2 | 0.097 / 0.381 | | | | |

**Experiment 2**

**Table S6**

*RM ANOVA on the proportion of hits*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.120 |  | 1 |  | 0.120 |  | 5.918 |  | 0.017 |  | 0.058 |  |
| Residuals |  | 1.972 |  | 97 |  | 0.020 |  |  |  |  |  |  |  |
| Prototypicality |  | 0.009 |  | 1 |  | 0.009 |  | 0.515 |  | 0.475 |  | 0.005 |  |
| Residuals |  | 1.782 |  | 97 |  | 0.018 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 5.375×10-4 |  | 1 |  | 5.375×10-4 |  | 0.044 |  | 0.835 |  | 4.517×10-4 |  |
| Residuals |  | 1.189 |  | 97 |  | 0.012 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S7**

*RM ANOVA on the proportion of false alarms*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.238 |  | 1 |  | 0.238 |  | 19.839 |  | < .001 |  | 0.170 |  |
| Residuals |  | 1.165 |  | 97 |  | 0.012 |  |  |  |  |  |  |  |
| Prototypicality |  | 1.663 |  | 1 |  | 1.663 |  | 158.017 |  | < .001 |  | 0.620 |  |
| Residuals |  | 1.021 |  | 97 |  | 0.011 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.005 |  | 1 |  | 0.005 |  | 0.468 |  | 0.496 |  | 0.005 |  |
| Residuals |  | 1.043 |  | 97 |  | 0.011 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S8**

*RM ANOVA on c scores*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.114 |  | 1 |  | 0.114 |  | 1.121 |  | 0.292 |  | 0.011 |  |
| Residuals |  | 9.855 |  | 97 |  | 0.102 |  |  |  |  |  |  |  |
| Prototypicality |  | 6.023 |  | 1 |  | 6.023 |  | 76.891 |  | < .001 |  | 0.442 |  |
| Residuals |  | 7.598 |  | 97 |  | 0.078 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 6.635×10-6 |  | 1 |  | 6.635×10-6 |  | 8.827×10-5 |  | 0.993 |  | 9.100×10-7 |  |
| Residuals |  | 7.291 |  | 97 |  | 0.075 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S9**

*RM ANOVA on mean study times*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 91734.763 |  | 1 |  | 91734.763 |  | 0.234 |  | 0.630 |  | 0.002 |  |
| Residuals |  | 3.804×10+7 |  | 97 |  | 392149.701 |  |  |  |  |  |  |  |
| Prototypicality |  | 78509.692 |  | 1 |  | 78509.692 |  | 0.242 |  | 0.624 |  | 0.002 |  |
| Residuals |  | 3.141×10+7 |  | 97 |  | 323846.711 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 13366.872 |  | 1 |  | 13366.872 |  | 0.030 |  | 0.862 |  | 3.114×10-4 |  |
| Residuals |  | 4.291×10+7 |  | 97 |  | 442353.377 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S10**

*LMM examining whether the amount of time studying each face interacted with face race or prototypicality to predict self-judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **JO Ls Self** | | | | |
| *Predictors* | *Estimates* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 4.70 | 0.14 | 4.43 – 4.98 | 33.46 | **<0.001** |
| FaceRace c | 0.11 | 0.06 | -0.01 – 0.23 | 1.85 | 0.064 |
| Prototipicality c | 0.25 | 0.05 | 0.15 – 0.35 | 4.83 | **<0.001** |
| Study time z | 0.20 | 0.06 | 0.08 – 0.31 | 3.30 | **0.001** |
| FaceRace c × Prototipicality c | 0.03 | 0.05 | -0.07 – 0.13 | 0.66 | 0.507 |
| FaceRace c × Study time z | -0.02 | 0.02 | -0.06 – 0.03 | -0.78 | 0.437 |
| Prototipicality c × Study time z | -0.02 | 0.02 | -0.06 – 0.03 | -0.75 | 0.450 |
| (FaceRace c × Prototipicality c) × Study time z | -0.05 | 0.02 | -0.10 – -0.01 | -2.45 | **0.014** |
| **Random Effects** | | | | | |
| σ2 | 2.49 | | | | |
| τ00 Face\_id | 0.26 | | | | |
| τ00 Subject\_id | 1.06 | | | | |
| τ11 Subject\_id.FaceRace.c | 0.07 | | | | |
| τ11 Subject\_id.Study\_time\_z | 0.19 | | | | |
| ρ01 Subject\_id.FaceRace.c | -0.06 | | | | |
| ρ01 Subject\_id.Study\_time\_z | -0.31 | | | | |
| ICC | 0.39 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.028 / 0.404 | | | | |

**Table S11**

*LMM examining whether the amount of time studying each face interacted with face race or prototypicality to predict other-judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **JO Ls Other** | | | | |
| *Predictors* | *Estimates* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 4.95 | 0.14 | 4.68 – 5.22 | 35.61 | **<0.001** |
| FaceRace c | 0.16 | 0.05 | 0.06 – 0.26 | 3.05 | **0.002** |
| Prototipicality c | 0.24 | 0.05 | 0.14 – 0.33 | 4.97 | **<0.001** |
| Study time z | 0.16 | 0.05 | 0.07 – 0.26 | 3.31 | **0.001** |
| FaceRace c × Prototipicality c | 0.02 | 0.05 | -0.07 – 0.11 | 0.49 | 0.621 |
| FaceRace c × Study time z | -0.04 | 0.02 | -0.08 – 0.01 | -1.52 | 0.129 |
| Prototipicality c × Study time z | -0.00 | 0.02 | -0.04 – 0.04 | -0.16 | 0.872 |
| (FaceRace c × Prototipicality c) × Study time z | -0.04 | 0.02 | -0.08 – -0.00 | -2.11 | **0.035** |
| **Random Effects** | | | | | |
| σ2 | 2.10 | | | | |
| τ00 Face\_id | 0.20 | | | | |
| τ00 Subject\_id | 1.07 | | | | |
| τ11 Subject\_id.FaceRace.c | 0.04 | | | | |
| τ11 Subject\_id.Study\_time\_z | 0.12 | | | | |
| τ11 Subject\_id.Prototipicality.c | 0.01 | | | | |
| τ11 Subject\_id.FaceRace.c:Study\_time\_z | 0.01 | | | | |
| ρ01 Subject\_id.FaceRace.c | -0.11 | | | | |
| ρ01 Subject\_id.Study\_time\_z | -0.25 | | | | |
| ρ01 Subject\_id.Prototipicality.c | -0.29 | | | | |
| ρ01 Subject\_id.FaceRace.c:Study\_time\_z | 0.02 | | | | |
| ICC | 0.41 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.030 / 0.427 | | | | |

**Table S12**

*Final GLMM examining the relative accuracy of study time*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 2.32 | 0.21 | 1.93 – 2.78 | 9.09 | **<0.001** |
| FaceRace c | 1.10 | 0.07 | 0.97 – 1.25 | 1.54 | 0.123 |
| Prototipicality c | 0.99 | 0.06 | 0.88 – 1.11 | -0.25 | 0.805 |
| Study time z | 1.33 | 0.07 | 1.20 – 1.47 | 5.60 | **<0.001** |
| FaceRace c × Prototipicality c | 1.01 | 0.06 | 0.89 – 1.13 | 0.09 | 0.932 |
| FaceRace c × Study time z | 0.99 | 0.03 | 0.93 – 1.06 | -0.18 | 0.855 |
| Prototipicality c × Study time z | 1.02 | 0.04 | 0.96 – 1.10 | 0.69 | 0.491 |
| (FaceRace c × Prototipicality c) × Study time z | 1.03 | 0.04 | 0.97 – 1.11 | 0.99 | 0.322 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.33 | | | | |
| τ00 Subject\_id | 0.29 | | | | |
| τ11 Face\_id.Study\_time\_z | 0.01 | | | | |
| τ11 Subject\_id.FaceRace.c | 0.03 | | | | |
| τ11 Subject\_id.Study\_time\_z | 0.07 | | | | |
| ρ01 Face\_id | -0.09 | | | | |
| ρ01 Subject\_id.FaceRace.c | 0.39 | | | | |
| ρ01 Subject\_id.Study\_time\_z | 0.39 | | | | |
| ICC | 0.18 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.023 / 0.200 | | | | |

**Table S13**

*GLMM examining the relative accuracy of prospective judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 2.28 | 0.20 | 1.92 – 2.72 | 9.27 | **<0.001** |
| FaceRace c | 1.07 | 0.06 | 0.96 – 1.20 | 1.25 | 0.212 |
| Prototipicality c | 0.94 | 0.05 | 0.84 – 1.05 | -1.06 | 0.290 |
| JOLs c | 1.23 | 0.03 | 1.17 – 1.29 | 7.98 | **<0.001** |
| FaceRace c × Prototipicality c | 0.99 | 0.06 | 0.89 – 1.11 | -0.12 | 0.903 |
| FaceRace c × JOLs c | 1.00 | 0.02 | 0.97 – 1.04 | 0.20 | 0.838 |
| Prototipicality c × JOLs c | 1.01 | 0.02 | 0.98 – 1.05 | 0.74 | 0.461 |
| (FaceRace c × Prototipicality c) × JOLs c | 0.99 | 0.02 | 0.95 – 1.03 | -0.59 | 0.558 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.26 | | | | |
| τ00 Subject\_id | 0.29 | | | | |
| τ11 Face\_id.JOLs\_c | 0.00 | | | | |
| τ11 Subject\_id.JOLs\_c | 0.01 | | | | |
| ρ01 Face\_id | 0.45 | | | | |
| ρ01 Subject\_id | 0.20 | | | | |
| ICC | 0.15 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.034 / 0.183 | | | | |

**Table S11**

*GLMM examining the relative accuracy of retrospective judgments for old faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 2.66 | 0.28 | 2.17 – 3.26 | 9.43 | **<0.001** |
| FaceRace c | 1.03 | 0.05 | 0.93 – 1.14 | 0.58 | 0.563 |
| Prototipicality c | 0.91 | 0.05 | 0.82 – 1.01 | -1.76 | 0.078 |
| Conf c | 1.66 | 0.06 | 1.54 – 1.78 | 13.93 | **<0.001** |
| FaceRace c × Prototipicality c | 0.99 | 0.05 | 0.89 – 1.09 | -0.25 | 0.805 |
| FaceRace c × Conf c | 1.01 | 0.02 | 0.98 – 1.05 | 0.78 | 0.433 |
| Prototipicality c × Conf c | 1.03 | 0.02 | 0.99 – 1.06 | 1.34 | 0.181 |
| (FaceRace c × Prototipicality c) × Conf c | 1.01 | 0.02 | 0.97 – 1.05 | 0.42 | 0.674 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.20 | | | | |
| τ00 Subject\_id | 0.46 | | | | |
| τ11 Face\_id.Conf\_c | 0.01 | | | | |
| τ11 Subject\_id.Conf\_c | 0.05 | | | | |
| ρ01 Face\_id | 0.97 | | | | |
| ρ01 Subject\_id | 0.47 | | | | |
| ICC | 0.22 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.222 / 0.396 | | | | |

**Table S12**

*GLMM examining the relative accuracy of retrospective judgments for new faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition recoded** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 5.25 | 0.64 | 4.13 – 6.67 | 13.58 | **<0.001** |
| Race c | 1.23 | 0.09 | 1.06 – 1.42 | 2.72 | **0.006** |
| Prototypicality c | 1.65 | 0.13 | 1.43 – 1.92 | 6.64 | **<0.001** |
| Conf c | 1.06 | 0.03 | 0.99 – 1.13 | 1.71 | 0.087 |
| Race c × Prototypicality c | 0.99 | 0.08 | 0.86 – 1.15 | -0.07 | 0.945 |
| Race c × Conf c | 1.02 | 0.02 | 0.99 – 1.06 | 1.27 | 0.205 |
| Prototypicality c × Conf c | 1.10 | 0.02 | 1.06 – 1.14 | 5.30 | **<0.001** |
| (Race c × Prototypicality c) × Conf c | 1.01 | 0.02 | 0.97 – 1.04 | 0.51 | 0.610 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Face\_id | 0.51 | | | | |
| τ00 Subject\_id | 0.54 | | | | |
| τ11 Subject\_id.Conf\_c | 0.04 | | | | |
| ρ01 Subject\_id | 0.77 | | | | |
| ICC | 0.27 | | | | |
| N Subject\_id | 62 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 5880 | | | | |
| Marginal R2 / Conditional R2 | 0.078 / 0.328 | | | | |

**Experiment 3**

**Table S13**

*RM ANOVA on the proportion of hits*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.083 |  | 1 |  | 0.083 |  | 5.152 |  | 0.024 |  | 0.029 |  |
| Residuals |  | 2.751 |  | 171 |  | 0.016 |  |  |  |  |  |  |  |
| Prototypicality |  | 0.056 |  | 1 |  | 0.056 |  | 3.880 |  | 0.050 |  | 0.022 |  |
| Residuals |  | 2.450 |  | 171 |  | 0.014 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.029 |  | 1 |  | 0.029 |  | 1.875 |  | 0.173 |  | 0.011 |  |
| Residuals |  | 2.680 |  | 171 |  | 0.016 |  |  |  |  |  |  |  |
| Race | | | | | | | | | | | | | |

**Table S14**

*RM ANOVA on the proportion of false alarms*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 0.798 |  | 1 |  | 0.798 |  | 53.173 |  | < .001 |  | 0.238 |  |
| Race ✻ Other\_race |  | 0.004 |  | 1 |  | 0.004 |  | 0.243 |  | 0.623 |  | 0.001 |  |
| Residuals |  | 2.550 |  | 170 |  | 0.015 |  |  |  |  |  |  |  |
| Prototypicality |  | 2.148 |  | 1 |  | 2.148 |  | 162.175 |  | < .001 |  | 0.488 |  |
| Prototypicality ✻ Other\_race |  | 0.007 |  | 1 |  | 0.007 |  | 0.544 |  | 0.462 |  | 0.003 |  |
| Residuals |  | 2.251 |  | 170 |  | 0.013 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.005 |  | 1 |  | 0.005 |  | 0.519 |  | 0.472 |  | 0.003 |  |
| Race ✻ Prototypicality ✻ Other\_race |  | 4.904×10-4 |  | 1 |  | 4.904×10-4 |  | 0.049 |  | 0.825 |  | 2.875×10-4 |  |
| Residuals |  | 1.705 |  | 170 |  | 0.010 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S15**

*RM ANOVA on c scores*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 1.252 |  | 1 |  | 1.252 |  | 10.699 |  | 0.001 |  | 0.059 |  |
| Residuals |  | 20.003 |  | 171 |  | 0.117 |  |  |  |  |  |  |  |
| Prototypicality |  | 6.013 |  | 1 |  | 6.013 |  | 68.590 |  | < .001 |  | 0.286 |  |
| Residuals |  | 14.991 |  | 171 |  | 0.088 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.087 |  | 1 |  | 0.087 |  | 1.075 |  | 0.301 |  | 0.006 |  |
| Residuals |  | 13.782 |  | 171 |  | 0.081 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S16**

*ANOVA on d’ scores with with the race of the hypothetical other as an additional factor*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 18.674 |  | 1 |  | 18.674 |  | 73.093 |  | < .001 |  | 0.301 |  |
| Race ✻ Other\_race |  | 0.193 |  | 1 |  | 0.193 |  | 0.757 |  | 0.385 |  | 0.004 |  |
| Residuals |  | 43.431 |  | 170 |  | 0.255 |  |  |  |  |  |  |  |
| Prototypicality |  | 40.002 |  | 1 |  | 40.002 |  | 127.936 |  | < .001 |  | 0.429 |  |
| Prototypicality ✻ Other\_race |  | 0.001 |  | 1 |  | 0.001 |  | 0.003 |  | 0.953 |  | 2.031×10-5 |  |
| Residuals |  | 53.155 |  | 170 |  | 0.313 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 0.379 |  | 1 |  | 0.379 |  | 1.379 |  | 0.242 |  | 0.008 |  |
| Race ✻ Prototypicality ✻ Other\_race |  | 0.482 |  | 1 |  | 0.482 |  | 1.752 |  | 0.187 |  | 0.010 |  |
| Residuals |  | 46.746 |  | 170 |  | 0.275 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S17**

*ANOVA on prospective judgments with with the race of the hypothetical other as an additional factor*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race |  | 9.385 |  | 1 |  | 9.385 |  | 13.686 |  | < .001 |  | 0.075 |  |
| Race ✻ Other\_race |  | 0.339 |  | 1 |  | 0.339 |  | 0.494 |  | 0.483 |  | 0.003 |  |
| Residuals |  | 116.572 |  | 170 |  | 0.686 |  |  |  |  |  |  |  |
| Prototypicality |  | 34.499 |  | 1 |  | 34.499 |  | 107.353 |  | < .001 |  | 0.387 |  |
| Prototypicality ✻ Other\_race |  | 0.073 |  | 1 |  | 0.073 |  | 0.229 |  | 0.633 |  | 0.001 |  |
| Residuals |  | 54.631 |  | 170 |  | 0.321 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 4.989 |  | 1 |  | 4.989 |  | 21.924 |  | < .001 |  | 0.114 |  |
| Race ✻ Prototypicality ✻ Other\_race |  | 1.240×10-4 |  | 1 |  | 1.240×10-4 |  | 5.447×10-4 |  | 0.981 |  | 3.204×10-6 |  |
| Residuals |  | 38.686 |  | 170 |  | 0.228 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S18**

*ANOVA on retrospective judgments with with the race of the hypothetical other as an additional factor*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Status |  | 77.002 |  | 1 |  | 77.002 |  | 56.461 |  | < .001 |  | 0.249 |  |
| Status ✻ Other\_race |  | 1.473 |  | 1 |  | 1.473 |  | 1.080 |  | 0.300 |  | 0.006 |  |
| Residuals |  | 231.847 |  | 170 |  | 1.364 |  |  |  |  |  |  |  |
| Race |  | 61.888 |  | 1 |  | 61.888 |  | 105.739 |  | < .001 |  | 0.383 |  |
| Race ✻ Other\_race |  | 0.015 |  | 1 |  | 0.015 |  | 0.026 |  | 0.873 |  | 1.515×10-4 |  |
| Residuals |  | 99.500 |  | 170 |  | 0.585 |  |  |  |  |  |  |  |
| Prototypicality |  | 113.281 |  | 1 |  | 113.281 |  | 272.484 |  | < .001 |  | 0.616 |  |
| Prototypicality ✻ Other\_race |  | 0.363 |  | 1 |  | 0.363 |  | 0.874 |  | 0.351 |  | 0.005 |  |
| Residuals |  | 70.675 |  | 170 |  | 0.416 |  |  |  |  |  |  |  |
| Status ✻ Race |  | 0.917 |  | 1 |  | 0.917 |  | 3.518 |  | 0.062 |  | 0.020 |  |
| Status ✻ Race ✻ Other\_race |  | 0.687 |  | 1 |  | 0.687 |  | 2.636 |  | 0.106 |  | 0.015 |  |
| Residuals |  | 44.325 |  | 170 |  | 0.261 |  |  |  |  |  |  |  |
| Status ✻ Prototypicality |  | 2.266 |  | 1 |  | 2.266 |  | 5.666 |  | 0.018 |  | 0.032 |  |
| Status ✻ Prototypicality ✻ Other\_race |  | 0.214 |  | 1 |  | 0.214 |  | 0.536 |  | 0.465 |  | 0.003 |  |
| Residuals |  | 67.983 |  | 170 |  | 0.400 |  |  |  |  |  |  |  |
| Race ✻ Prototypicality |  | 3.279 |  | 1 |  | 3.279 |  | 9.714 |  | 0.002 |  | 0.054 |  |
| Race ✻ Prototypicality ✻ Other\_race |  | 3.554×10-4 |  | 1 |  | 3.554×10-4 |  | 0.001 |  | 0.974 |  | 6.192×10-6 |  |
| Residuals |  | 57.384 |  | 170 |  | 0.338 |  |  |  |  |  |  |  |
| Status ✻ Race ✻ Prototypicality |  | 0.249 |  | 1 |  | 0.249 |  | 1.130 |  | 0.289 |  | 0.007 |  |
| Status ✻ Race ✻ Prototypicality ✻ Other\_race |  | 0.571 |  | 1 |  | 0.571 |  | 2.589 |  | 0.109 |  | 0.015 |  |
| Residuals |  | 37.493 |  | 170 |  | 0.221 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S19**

*GLMM examining the relative accuracy of prospective judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 2.84 | 0.24 | 2.41 – 3.35 | 12.37 | **<0.001** |
| FaceRace c | 1.04 | 0.06 | 0.92 – 1.16 | 0.59 | 0.557 |
| Prototypicality c | 1.02 | 0.06 | 0.91 – 1.14 | 0.38 | 0.704 |
| JOLs c | 1.28 | 0.03 | 1.22 – 1.34 | 10.29 | **<0.001** |
| FaceRace c × Prototypicality c | 1.02 | 0.06 | 0.91 – 1.13 | 0.27 | 0.791 |
| FaceRace c × JOLs c | 1.03 | 0.02 | 0.99 – 1.07 | 1.35 | 0.177 |
| Prototypicality c × JOLs c | 1.04 | 0.02 | 1.00 – 1.08 | 2.09 | **0.036** |
| (FaceRace c × Prototypicality c) × JOLs c | 1.00 | 0.02 | 0.97 – 1.04 | 0.12 | 0.902 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Subject\_id | 0.65 | | | | |
| τ00 Face\_id | 0.31 | | | | |
| τ11 Subject\_id.FaceRace.c | 0.03 | | | | |
| τ11 Subject\_id.JOLs\_c | 0.02 | | | | |
| τ11 Subject\_id.FaceRace.c:JOLs\_c | 0.00 | | | | |
| τ11 Face\_id.JOLs\_c | 0.01 | | | | |
| ρ01 Subject\_id.FaceRace.c | 0.09 | | | | |
| ρ01 Subject\_id.JOLs\_c | 0.53 | | | | |
| ρ01 Subject\_id.FaceRace.c:JOLs\_c | 0.17 | | | | |
| ρ01 Face\_id | 0.43 | | | | |
| ICC | 0.25 | | | | |
| N Subject\_id | 172 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 10320 | | | | |
| Marginal R2 / Conditional R2 | 0.035 / 0.272 | | | | |

**Table S20**

*GLMM examining the relative accuracy of retrospective judgments for old faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Recognition** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 3.82 | 0.37 | 3.15 – 4.63 | 13.66 | **<0.001** |
| FaceRace c | 0.97 | 0.05 | 0.87 – 1.08 | -0.59 | 0.553 |
| Prototypicality c | 0.90 | 0.05 | 0.81 – 1.01 | -1.82 | 0.069 |
| Conf c | 1.83 | 0.05 | 1.73 – 1.94 | 20.20 | **<0.001** |
| FaceRace c × Prototypicality c | 1.03 | 0.05 | 0.93 – 1.15 | 0.64 | 0.523 |
| FaceRace c × Conf c | 1.00 | 0.02 | 0.97 – 1.04 | 0.16 | 0.870 |
| Prototypicality c × Conf c | 0.98 | 0.02 | 0.95 – 1.02 | -0.86 | 0.389 |
| (FaceRace c × Prototypicality c) × Conf c | 0.99 | 0.02 | 0.96 – 1.03 | -0.47 | 0.636 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Subject\_id | 1.09 | | | | |
| τ00 Face\_id | 0.24 | | | | |
| τ11 Subject\_id.Prototypicality.c | 0.01 | | | | |
| τ11 Subject\_id.Conf\_c | 0.08 | | | | |
| τ11 Face\_id.Conf\_c | 0.01 | | | | |
| ρ01 Subject\_id.Prototypicality.c | -0.40 | | | | |
| ρ01 Subject\_id.Conf\_c | 0.54 | | | | |
| ρ01 Face\_id | 0.89 | | | | |
| ICC | 0.35 | | | | |
| N Subject\_id | 172 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 10320 | | | | |
| Marginal R2 / Conditional R2 | 0.240 / 0.507 | | | | |

**Table S21**

*GLMM examining the relative accuracy of retrospective judgments for new faces*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Rec recoded** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 8.85 | 1.15 | 6.86 – 11.42 | 16.78 | **<0.001** |
| Race c | 1.35 | 0.14 | 1.11 – 1.64 | 2.97 | **0.003** |
| Prototypicality c | 1.09 | 0.07 | 0.97 – 1.23 | 1.40 | 0.161 |
| Conf c | 1.27 | 0.05 | 1.17 – 1.37 | 5.90 | **<0.001** |
| Race c × Prototypicality c | 1.00 | 0.06 | 0.90 – 1.12 | 0.06 | 0.950 |
| Race c × Conf c | 1.10 | 0.03 | 1.04 – 1.17 | 3.35 | **0.001** |
| Prototypicality c × Conf c | 1.07 | 0.02 | 1.03 – 1.12 | 3.21 | **0.001** |
| (Race c × Prototypicality c) × Conf c | 1.01 | 0.02 | 0.97 – 1.05 | 0.62 | 0.533 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Subject\_id | 1.01 | | | | |
| τ00 Face\_id | 1.04 | | | | |
| τ11 Subject\_id.Prototypicality.c | 0.01 | | | | |
| τ11 Subject\_id.Conf\_c | 0.09 | | | | |
| τ11 Face\_id.Conf\_c | 0.07 | | | | |
| ρ01 Subject\_id.Prototypicality.c | -0.62 | | | | |
| ρ01 Subject\_id.Conf\_c | 0.65 | | | | |
| ρ01 Face\_id | 0.99 | | | | |
| ICC | 0.45 | | | | |
| N Subject\_id | 172 | | | | |
| N Face\_id | 120 | | | | |
| Observations | 10320 | | | | |
| Marginal R2 / Conditional R2 | 0.063 / 0.482 | | | | |

**Experiment 5**

**Table S22**

*LMM examining the relationship between global predictions and prospective judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **JOL** | | | | |
| *Predictors* | *Estimates* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 60.97 | 1.65 | 57.74 – 64.20 | 36.99 | **<0.001** |
| FaceRace2 c | 1.23 | 0.33 | 0.58 – 1.89 | 3.69 | **<0.001** |
| SubjRace c | 3.76 | 1.58 | 0.67 – 6.86 | 2.38 | **0.017** |
| GPredictions Diff SR CR | -0.02 | 0.09 | -0.19 – 0.15 | -0.23 | 0.821 |
| FaceRace2 c × SubjRace c | -0.50 | 0.58 | -1.64 – 0.63 | -0.87 | 0.385 |
| FaceRace2 c × GPredictions Diff SR CR | 0.19 | 0.02 | 0.14 – 0.23 | 7.90 | **<0.001** |
| SubjRace c × GPredictions Diff SR CR | -0.18 | 0.09 | -0.35 – -0.00 | -2.00 | **0.046** |
| (FaceRace2 c × SubjRace c) × GPredictions Diff SR CR | 0.06 | 0.02 | 0.02 – 0.11 | 2.65 | **0.008** |
| **Random Effects** | | | | | |
| σ2 | 174.43 | | | | |
| τ00 Subject\_id | 382.78 | | | | |
| τ00 Face\_id | 12.65 | | | | |
| τ11 Subject\_id.FaceRace2.c | 10.93 | | | | |
| τ11 Subject\_id.GPredictions\_Diff\_SR.CR | 0.16 | | | | |
| ρ01 Subject\_id.FaceRace2.c | -0.12 | | | | |
| ρ01 Subject\_id.GPredictions\_Diff\_SR.CR | -0.86 | | | | |
| ICC | 0.67 | | | | |
| N Subject\_id | 200 | | | | |
| N Face\_id | 56 | | | | |
| Observations | 5600 | | | | |
| Marginal R2 / Conditional R2 | 0.044 / 0.680 | | | | |

**Table S23**

*ANOVA on reported levels of interracial contact*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Contact Group |  | 46564.893 |  | 1 |  | 46564.893 |  | 95.111 |  | < .001 |  | 0.324 |  |
| Contact Group ✻ Part\_Race |  | 141841.118 |  | 1 |  | 141841.118 |  | 289.718 |  | < .001 |  | 0.594 |  |
| Residuals |  | 96937.486 |  | 198 |  | 489.583 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part\_Race |  | 696.221 |  | 1 |  | 696.221 |  | 9.624 |  | 0.002 |  | 0.046 |  |
| Residuals |  | 14323.821 |  | 198 |  | 72.343 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S24**

*ANOVA on reported levels of interracial contact by contact period*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Contact Period |  | 2325.041 | ᵃ | 2 | ᵃ | 1162.521 | ᵃ | 26.911 | ᵃ | < .001 | ᵃ | 0.120 |  |
| Contact Period ✻ Part\_Race |  | 127.806 | ᵃ | 2 | ᵃ | 63.903 | ᵃ | 1.479 | ᵃ | 0.229 | ᵃ | 0.007 |  |
| Residuals |  | 17106.820 |  | 396 |  | 43.199 |  |  |  |  |  |  |  |
| Contact Group |  | 139792.879 |  | 1 |  | 139792.879 |  | 95.169 |  | < .001 |  | 0.325 |  |
| Contact Group ✻ Part\_Race |  | 425666.857 |  | 1 |  | 425666.857 |  | 289.788 |  | < .001 |  | 0.594 |  |
| Residuals |  | 290840.703 |  | 198 |  | 1468.892 |  |  |  |  |  |  |  |
| Contact Period ✻ Contact Group |  | 1466.444 | ᵃ | 2 | ᵃ | 733.222 | ᵃ | 3.541 | ᵃ | 0.030 | ᵃ | 0.018 |  |
| Contact Period ✻ Contact Group ✻ Part\_Race |  | 5951.699 | ᵃ | 2 | ᵃ | 2975.849 | ᵃ | 14.373 | ᵃ | < .001 | ᵃ | 0.068 |  |
| Residuals |  | 81986.928 |  | 396 |  | 207.038 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S25**

*ANOVA on reported levels of anticipated interaction*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interaction Group |  | 6360.062 |  | 1 |  | 6360.062 |  | 9.996 |  | 0.002 |  | 0.048 |  |
| Interaction Group ✻ Part\_Race |  | 117889.222 |  | 1 |  | 117889.222 |  | 185.288 |  | < .001 |  | 0.483 |  |
| Residuals |  | 125977.215 |  | 198 |  | 636.249 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part\_Race |  | 2565.423 |  | 1 |  | 2565.423 |  | 4.979 |  | 0.027 |  | 0.025 |  |
| Residuals |  | 102011.275 |  | 198 |  | 515.208 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | |

**Table S26**

*ANOVA on reported levels of recognition motivation*

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Recognition Importance |  | 1.563 |  | 1 |  | 1.563 |  | 5.119 |  | 0.025 |  | 0.025 |  |
| Recognition Importance ✻ Part\_Race |  | 6.503 |  | 1 |  | 6.503 |  | 21.304 |  | < .001 |  | 0.097 |  |
| Residuals |  | 60.435 |  | 198 |  | 0.305 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

| Effect | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part\_Race |  | 8.123 |  | 1 |  | 8.123 |  | 3.545 |  | 0.061 |  | 0.018 |  |
| Residuals |  | 453.675 |  | 198 |  | 2.291 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |

**Table S27**

*GLMM examining whether differences in interracial contact, anticipated interaction, and recognition motivation relate to recognition accuracy*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Rec** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 3.76 | 0.34 | 3.16 – 4.48 | 14.80 | **<0.001** |
| FaceRace2 c | 1.01 | 0.04 | 0.93 – 1.10 | 0.30 | 0.765 |
| SubjRace c | 0.97 | 0.07 | 0.85 – 1.11 | -0.44 | 0.662 |
| contact CR SR z | 0.93 | 0.08 | 0.80 – 1.10 | -0.83 | 0.408 |
| interaction CR SR z | 0.88 | 0.06 | 0.77 – 1.01 | -1.88 | 0.060 |
| rec motivation CR SR z | 1.08 | 0.06 | 0.96 – 1.20 | 1.32 | 0.187 |
| FaceRace2 c × SubjRace c | 1.22 | 0.09 | 1.06 – 1.40 | 2.85 | **0.004** |
| FaceRace2 c × contact CR SR z | 0.97 | 0.05 | 0.88 – 1.07 | -0.60 | 0.546 |
| FaceRace2 c × interaction CR SR z | 0.96 | 0.04 | 0.88 – 1.04 | -1.03 | 0.303 |
| FaceRace2 c × rec motivation CR SR z | 1.01 | 0.03 | 0.94 – 1.08 | 0.29 | 0.775 |
| SubjRace c × contact CR SR z | 0.99 | 0.08 | 0.84 – 1.16 | -0.11 | 0.912 |
| SubjRace c × interaction CR SR z | 0.98 | 0.07 | 0.86 – 1.12 | -0.25 | 0.802 |
| SubjRace c × rec motivation CR SR z | 1.10 | 0.06 | 0.99 – 1.23 | 1.74 | 0.082 |
| (FaceRace2 c × SubjRace c) × contact CR SR z | 0.89 | 0.04 | 0.81 – 0.98 | -2.27 | **0.023** |
| (FaceRace2 c × SubjRace c) × interaction CR SR z | 0.91 | 0.04 | 0.84 – 0.99 | -2.21 | **0.027** |
| (FaceRace2 c × SubjRace c) × rec motivation CR SR z | 1.09 | 0.04 | 1.02 – 1.16 | 2.49 | **0.013** |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Subject\_id | 0.36 | | | | |
| τ00 Face\_id | 0.17 | | | | |
| ICC | 0.14 | | | | |
| N Subject\_id | 198 | | | | |
| N Face\_id | 56 | | | | |
| Observations | 5544 | | | | |
| Marginal R2 / Conditional R2 | 0.032 / 0.166 | | | | |

**Table S28**

*ANOVA examining the calibration of global predictions and prospective judgments*

| Effect | | Sphericity Correction | | *SS* | | *df* | | *MS* | | *F* | | *p* | | η²p | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Measure |  | None |  | 6.123 | ᵃ | 2.000 | ᵃ | 3.062 | ᵃ | 80.567 | ᵃ | < .001 | ᵃ | 0.289 |  |
|  |  | Greenhouse-Geisser |  | 6.123 |  | 1.559 |  | 3.928 |  | 80.567 |  | < .001 |  | 0.289 |  |
| Measure ✻ Part\_Race |  | None |  | 0.192 | ᵃ | 2.000 | ᵃ | 0.096 | ᵃ | 2.524 | ᵃ | 0.081 | ᵃ | 0.013 |  |
|  |  | Greenhouse-Geisser |  | 0.192 |  | 1.559 |  | 0.123 |  | 2.524 |  | 0.095 |  | 0.013 |  |
| Residuals |  | None |  | 15.049 |  | 396.000 |  | 0.038 |  |  |  |  |  |  |  |
|  |  | Greenhouse-Geisser |  | 15.049 |  | 308.652 |  | 0.049 |  |  |  |  |  |  |  |
| Face Race |  | None |  | 0.069 |  | 1.000 |  | 0.069 |  | 5.961 |  | 0.016 |  | 0.029 |  |
| Face Race ✻ Part\_Race |  | None |  | 0.840 |  | 1.000 |  | 0.840 |  | 72.408 |  | < .001 |  | 0.268 |  |
| Residuals |  | None |  | 2.297 |  | 198.000 |  | 0.012 |  |  |  |  |  |  |  |
| Measure ✻ Face Race |  | None |  | 0.426 | ᵃ | 2.000 | ᵃ | 0.213 | ᵃ | 26.753 | ᵃ | < .001 | ᵃ | 0.119 |  |
|  |  | Greenhouse-Geisser |  | 0.426 |  | 1.577 |  | 0.270 |  | 26.753 |  | < .001 |  | 0.119 |  |
| Measure ✻ Face Race ✻ Part\_Race |  | None |  | 0.089 | ᵃ | 2.000 | ᵃ | 0.045 | ᵃ | 5.614 | ᵃ | 0.004 | ᵃ | 0.028 |  |
|  |  | Greenhouse-Geisser |  | 0.089 |  | 1.577 |  | 0.057 |  | 5.614 |  | 0.008 |  | 0.028 |  |
| Residuals |  | None |  | 3.153 |  | 396.000 |  | 0.008 |  |  |  |  |  |  |  |
|  |  | Greenhouse-Geisser |  | 3.153 |  | 312.151 |  | 0.010 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | | | |
| ᵃ Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05). | | | | | | | | | | | | | | | |

**Table S29**

*GLMM examining the relative accuracy of prospective judgments*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Rec** | | | | |
| *Predictors* | *Odds Ratios* | *std. Error* | *CI* | *Statistic* | *p* |
| (Intercept) | 3.7763 | 0.2945 | 3.2411 – 4.3999 | 17.0399 | **<0.001** |
| FaceRace1 c | 1.2382 | 0.0779 | 1.0945 – 1.4008 | 3.3936 | **0.001** |
| SubjRace c | 1.0406 | 0.0582 | 0.9327 – 1.1611 | 0.7126 | 0.476 |
| JOL c | 1.0115 | 0.0026 | 1.0065 – 1.0166 | 4.5302 | **<0.001** |
| FaceRace1 c × SubjRace c | 1.0804 | 0.0364 | 1.0114 – 1.1541 | 2.2979 | **0.022** |
| FaceRace1 c × JOL c | 0.9985 | 0.0026 | 0.9933 – 1.0036 | -0.5848 | 0.559 |
| SubjRace c × JOL c | 0.9994 | 0.0025 | 0.9945 – 1.0043 | -0.2525 | 0.801 |
| (FaceRace1 c × SubjRace c) × JOL c | 1.0024 | 0.0026 | 0.9973 – 1.0075 | 0.9167 | 0.359 |
| **Random Effects** | | | | | |
| σ2 | 3.29 | | | | |
| τ00 Subject\_id | 0.39 | | | | |
| τ00 Face\_id | 0.16 | | | | |
| ICC | 0.14 | | | | |
| N Subject\_id | 200 | | | | |
| N Face\_id | 56 | | | | |
| Observations | 5600 | | | | |
| Marginal R2 / Conditional R2 | 0.021 / 0.160 | | | | |