

Supplementary Tables and Figures

Figure S1. Pearson's Partial Correlation heat-map of Body Image disturbance measures and interoceptive sensibility measures (conditioned on gender): Purple indicates positive associations and brown indicates negative associations. Significance as follows: * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

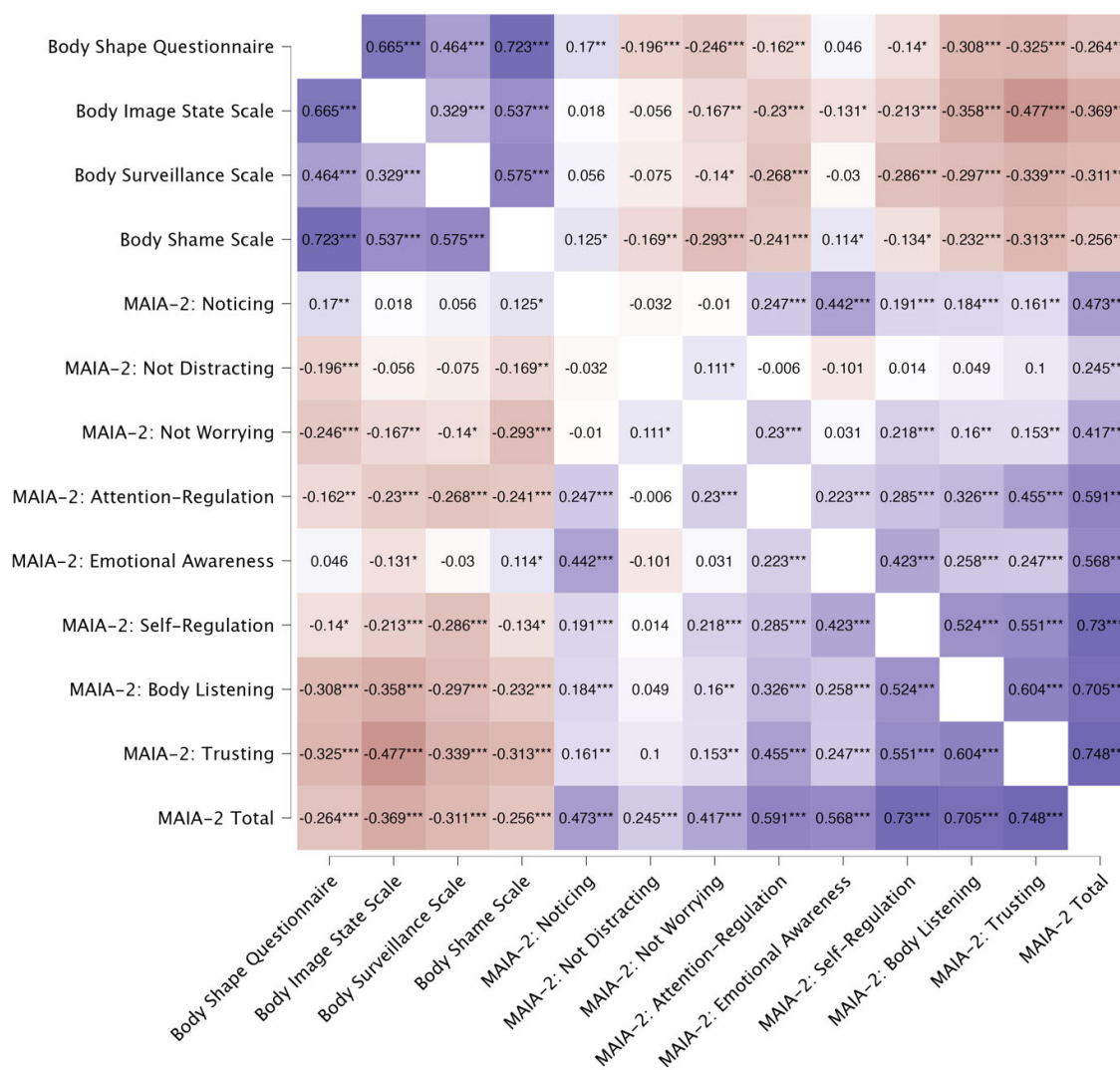


Table S1. Post Hoc tests for interactions between position and condition on accuracy for ANOVA 4.3.2

| | | Mean Difference | SE | t | Cohen's d | P _{bonf} |
|----------------------------|-----------------------------|--------------------|-------|--------|--------------|-------------------|
| BACKFACING Control | FRONTFACING Control | 3.782 | 1.460 | 2.590 | 0.284 | 0.059 |
| | BACKFACING Experimental | 1.722 | 1.456 | 1.182 | 0.129 | 1.000 |
| | FRONTFACING Experimental | 7.186 | 1.456 | 4.936 | 0.540 | < .001 |
| FRONTFACING Control | BACKFACING Experimental | -2.061 | 1.460 | -1.411 | -0.155 | 0.952 |
| | FRONTFACING Experimental | 3.403 | 1.460 | 2.331 | 0.256 | 0.120 |
| BACKFACING Experimental | FRONTFACING Experimental | 5.464 | 1.456 | 3.753 | 0.411 | 0.001 |

Note. P-value adjusted for comparing a family of 4

Table S2. Mixed model ANOVA results for reaction time analysis

| Cases | Sum of Squares | df | Mean Square | F | p | η^2_p |
|--|------------------------|-----|------------------------|---------|--------|------------------------|
| Position | 64.412 | 1 | 64.412 | 196.200 | < .001 | 0.540 |
| Position * gender | 0.142 | 1 | 0.142 | 0.431 | 0.512 | 0.003 |
| Residuals | 54.825 | 167 | 0.328 | | | |
| Orientation | 0.153 | 1 | 0.153 | 1.136 | 0.288 | 0.007 |
| Orientation * gender | 0.039 | 1 | 0.039 | 0.290 | 0.591 | 0.002 |
| Residuals | 22.434 | 167 | 0.134 | | | |
| Weight | 0.052 | 1 | 0.052 | 0.390 | 0.533 | 0.002 |
| Weight * gender | 0.268 | 1 | 0.268 | 2.012 | 0.158 | 0.012 |
| Residuals | 22.206 | 167 | 0.133 | | | |
| Position * Orientation | 4.471 | 1 | 4.471 | 27.036 | < .001 | 0.139 |
| Position * Orientation * gender | 0.400 | 1 | 0.400 | 2.419 | 0.122 | 0.014 |
| Residuals | 27.619 | 167 | 0.165 | | | |
| Position * Weight | 6.786×10^{-4} | 1 | 6.786×10^{-4} | 0.005 | 0.944 | 2.961×10^{-5} |
| Position * Weight * gender | 3.064×10^{-4} | 1 | 3.064×10^{-4} | 0.002 | 0.962 | 1.337×10^{-5} |
| Residuals | 22.919 | 167 | 0.137 | | | |
| Orientation * Weight | 0.058 | 1 | 0.058 | 0.435 | 0.511 | 0.003 |
| Orientation * Weight * gender | 0.350 | 1 | 0.350 | 2.623 | 0.107 | 0.015 |
| Residuals | 22.299 | 167 | 0.134 | | | |
| Position * Orientation * Weight | 1.803×10^{-4} | 1 | 1.803×10^{-4} | 0.001 | 0.970 | 8.395×10^{-6} |
| Position * Orientation * Weight * gender | 0.566 | 1 | 0.566 | 4.403 | 0.037 | 0.026 |
| Residuals | 21.477 | 167 | 0.129 | | | |

Note. Type III Sum of Squares

Table S3. Post Hoc Comparisons for Position * Orientation interaction for ANOVA 4.3.3

| | | Mean Difference | SE | t | Cohen's d | p_{bonf} |
|-----------------|------------------|----------------------------|-----------|----------|----------------------|-------------------------|
| Back-facing, 0 | Front-facing, 0 | -0.552 | 0.038 | -14.432 | -0.843 | < .001 *** |
| | Back-facing, 90 | -0.136 | 0.030 | -4.576 | -0.208 | < .001 *** |
| | Front-facing, 90 | -0.458 | 0.037 | -12.374 | -0.699 | < .001 *** |
| Front-facing, 0 | Back-facing, 90 | 0.416 | 0.037 | 11.225 | 0.634 | < .001 *** |
| | Front-facing, 90 | 0.094 | 0.030 | 3.149 | 0.143 | 0.011 * |
| Back-facing, 90 | Front-facing, 90 | -0.322 | 0.038 | -8.413 | -0.491 | < .001 *** |

* p < .05, ** p < .01, *** p < .001

Table S4. Regression results for the effect of BID and IS on the egocentric transformation cost

Coefficients

| Model | | Unstandardized | Standard Error | Standardized^a | t | p |
|----------------|-----------------------|-----------------------|-----------------------|---------------------------------|----------|----------|
| H ₀ | (Intercept) | 0.548 | 0.044 | | 12.433 | < .001 |
| | Orientation (90) | -0.227 | 0.052 | | -4.355 | < .001 |
| | Gender (Male) | 0.007 | 0.052 | | 0.132 | 0.895 |
| H ₁ | (Intercept) | 0.828 | 0.203 | | 4.080 | < .001 |
| | MAIA-2 Total | -0.012 | 0.008 | -0.083 | -1.432 | 0.153 |
| | Body Image | -0.002 | 0.011 | -0.009 | -0.143 | 0.886 |
| | Disturbance Composite | -0.002 | 0.011 | -0.009 | -0.143 | 0.886 |
| | Orientation (90) | -0.227 | 0.052 | | -4.356 | < .001 |
| | Gender (Male) | 0.009 | 0.056 | | 0.164 | 0.869 |

^a Standardized coefficients can only be computed for continuous predictors.