

Supplement 3. Models developed in order to compare accuracy between control group and experimental groups.

In order to check whether each of the experimental conditions was amenable to learning gains, we developed for each immediate dependent variable a model in order to compare accuracy between the control group (the intercept level in the models) and the experimental conditions. Results show (Table 1 for the explicit measures and Table 2 for the sensitive measures) that all conditions led to learning gains, as shown by the significantly higher estimate levels of the experimental conditions when compared to the intercept levels.

Table 1

Accuracy on Explicit Immediate Post-tests.

| Aspect | Predictor | Estimate | SE | /z/ | p | |
|---------|--------------------|----------|------|--------|----------|-----|
| Form | (Intercept) | -0.94 | .001 | -753.1 | < 2e-16 | *** |
| | [+CO-WF] | 1.18 | .001 | 950.5 | < 2e-16 | *** |
| | [+CO+WF] | 3.80 | .001 | 3057.1 | < 2e-16 | *** |
| | [+CO-WF] | 4.57 | .001 | 3677.2 | < 2e-16 | *** |
| | VocSize | 0.30 | .001 | 242.8 | < 2e-16 | *** |
| Meaning | (Intercept) | -7.69 | 1.04 | -7.37 | 1.68e-13 | *** |
| | [+CO-WF] | 5.14 | 1.03 | 5.01 | 5.46e-07 | *** |
| | [+CO+WF] | 7.47 | 1.03 | 7.28 | 3.43e-11 | *** |
| | [+CO-WF] | 6.86 | 1.03 | 6.70 | 2.20e-11 | *** |
| | VocSize | 0.34 | 0.09 | 3.99 | 6.58e-05 | *** |
| Use | (Intercept) | -1.27 | 0.17 | -6.06 | 1.37e-09 | *** |
| | [+CO-WF] | 0.93 | 0.13 | 4.72 | 2.41e-06 | *** |
| | [+CO+WF] | 1.62 | 0.13 | 11.28 | < 2e-16 | *** |
| | [+CO-WF] | 1.62 | 0.14 | 11.35 | < 2e-16 | *** |
| | VocSize | 0.003 | 0.09 | 0.03 | 0.97 | |
| | [+CO-WF] : VocSize | 0.32 | 0.13 | 2.23 | 0.03 | * |
| | [+CO+WF] : VocSize | 0.31 | 0.13 | 2.53 | 0.01 | * |
| | [-CO+WF] : VocSize | 0.24 | 0.13 | 1.83 | 0.07 | . |

Note. Intercept levels represent the values of the control group. A colon (:) indicates an interaction between two variables.

.p > .1 *p < .05 **p < .01 ***p < .001

Table 2

Accuracy on Sensitive Immediate Post-tests.

| Aspect | Predictor | Estimate | SE | /z/ | <i>p</i> | |
|---------------|------------------|-----------------|-----------|------------|-----------------|-----|
| LDT | (Intercept) | -0.12 | 0.22 | -0.58 | .57 | |
| | [+CO-WF] | 1.20 | 0.15 | 8.28 | < 2e-16 | *** |
| | [+CO+WF] | 2.72 | 0.17 | 15.73 | < 2e-16 | *** |
| | [+CO-WF] | 3.19 | 0.20 | 15.79 | < 2e-16 | *** |
| | VocSize | 0.25 | 0.06 | 4.28 | 1.84e-05 | *** |
| SEMREL | (Intercept) | -0.96 | 0.16 | -5.98 | 2.23e-09 | *** |
| | [+CO-WF] | 0.33 | 0.14 | 2.31 | .02 | * |
| | [+CO+WF] | 1.21 | 0.14 | 8.70 | < 2e-16 | *** |
| | [+CO-WF] | 1.57 | 0.15 | 10.78 | < 2e-16 | *** |
| | VocSize | 0.27 | 0.05 | 5.08 | 3.81e-07 | *** |
| GJT | (Intercept) | 0.18 | 0.17 | 1.06 | 0.29 | |
| | [+CO-WF] | 0.39 | 0.15 | 2.57 | 0.01 | * |
| | [+CO+WF] | 0.74 | 0.15 | 4.90 | 9.47e-07 | *** |
| | [+CO-WF] | 1.25 | 0.16 | 2.72 | 1.13e-14 | *** |
| | WM | 0.12 | 0.06 | 2.11 | 0.03 | * |
| | Gender (F) | 0.25 | 0.12 | 2.06 | 0.04 | * |

Note. Intercept levels represent the values of the control group. A colon (:) indicates an interaction between two variables.

.*p* > .1 **p* < .05 ***p* < .01 ****p* < .001