

Online Resource 6 – Hierarchical Regression Results of pre-lab test scores

Supplemental Material 6 Hierarchical Regression results of pre-lab test scores for students that did or did not prepare with a pre-lab module and claimed to attend or not attend the lecture before the lab activity.

| Variable | B | 95% CI for B | | SE B | β | R ² | ΔR^2 |
|----------------------|-------|--------------|------|------|---------|----------------|--------------|
| | | LL | UL | | | | |
| Step 1 | | | | | | 0.09 | 0.09** |
| Constant | 5.08 | 4.69 | 5.45 | 0.19 | | | |
| Contr. vs Exp. Group | 0.87 | 0.33 | 1.41 | 0.27 | 0.30** | | |
| Step 2 | | | | | | 0.10 | 0.01 |
| Constant | 5.16 | 3.36 | 6.96 | 0.91 | | | |
| Contr. Vs Exp. Group | 0.78 | 0.17 | 1.39 | 0.31 | 0.26* | | |
| Read manual | -0.23 | -0.88 | 0.43 | 0.33 | -0.07 | | |
| Attend lecture | 0.20 | -0.42 | 0.81 | 0.31 | 0.06 | | |

Note. CI = confidence interval; LL= lower limit, UL = upper limit; Contr Group = control group; Exp Group = experimental group
 *p<0.05 **p<0.01 ***p<0.001