**Questions:**

* Is there an interaction between the number of books you’ve read for class and your attendance in predicting final course grade?

**Don’t forget you will need to run assumptions for the homework.**

**Centering the variables: Find the mean and standard deviation of books and attendance. Paste that box here.**

**Regression test:**

Include the model box (make sure this has R2 change):

Include the coefficients box (make sure this has pr and sr):

**Main effects:**

* Include the F-value from step 1 – are the main effects significant?
* Books main effect (b, t, p, pr2):
* Attendance main effect (b, t, p, pr2):

**Interaction**

* Is the addition of the interaction significant? (F-value change statistics)
* SLOPE VARIABLE: Attendance
* FLIP VARIABLE: Books
* Slope for SLOPE VARIABLE when the FLIP is average:

**Simple Slopes LO:**

Include the coefficients box that includes the new LO variables (make sure this has pr and sr):

Slope for SLOPE VARIABLE when the FLIP is low:

**Simple Slopes HI:**

Include the coefficients box that includes the new HI variables (make sure this has pr and sr):

Slope for SLOPE VARIABLE when the FLIP is high:

Create a chart:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Low attendance | Average Attendance | High Attendance |
| Low Books |  |  |  |
| Average Books |  |  |  |
| High Books |  |  |  |

**Include a graph of the interaction:**