**Assignment #2 (SPSS)** **Data Entry**

*Statistics are no substitute for judgment.* – Henry Clay

**NAME:** _____ **/18**
Score

A study was conducted to examine the degree to which ***Room Color*** affects algebra learning. There were three groups of students who took algebra during the same semester. One group met for class in a *yellow* classroom, another group met in a *red* classroom, and the third group met in a *green* classroom. ***Learning*** was measured by inspecting final exam scores. There were 30 students in each class, and the data are provided in a table on the next page.

**Part I**

Create an SPSS data file ready to be analyzed. If you get stuck, try YouTube and if that doesn't work, please ask in class, or (if you waited until the last minute) email me.

**Part II**

Use **SPSS** to generate descriptive information about your data. [**rmu.edu/about/appstream**]

*[After data entry: Analyze → Descriptive Statistics → Frequencies → [select variables] Statistics → [select options] → Continue → OK]*

It *should* go without saying, but to eliminate uncertainty, please DO YOUR OWN WORK!

Specifically, you should be able to complete the following summary information from the SPSS output (***please round all values to two decimal points***):

**DUE: One week from when this is handed out in class.**

**RED CLASSROOM**

Mean _____ Standard Deviation _____

Median _____ Minimum Score _____

Mode _____ Maximum Score _____

**GREEN CLASSROOM**

Mean _____ Standard Deviation _____

Median _____ Minimum Score _____

Mode _____ Maximum Score _____

**YELLOW CLASSROOM**

Mean _____ Standard Deviation _____

Median _____ Minimum Score _____

Mode _____ Maximum Score _____

| RED | GREEN | YELLOW |
|---|---|---|
| 81.6 | 61.3 | 99.3 |
| 96.9 | 68.2 | 66.4 |
| 60.6 | 85.9 | 52.1 |
| 66.4 | 61.3 | 60.5 |
| 64.5 | 60.5 | 84.6 |
| 91.9 | 61.3 | 66.3 |
| 60.8 | 66.9 | 63.4 |
| 35.5 | 45.5 | 35.5 |
| 64.6 | 80.6 | 66.0 |
| 96.6 | 92.1 | 66.0 |
| 68.5 | 65.4 | 96.8 |
| 69.9 | 61.9 | 69.1 |
| 86.6 | 94.4 | 59.3 |
| 64.2 | 91.1 | 55.5 |
| 64.9 | 98.3 | 61.6 |
| 64.5 | 89.8 | 48.6 |
| 43.4 | 96.2 | 44.4 |
| 69.1 | 93.2 | 56.3 |
| 89.1 | 92.8 | 66.6 |
| 58.0 | 66.2 | 66.0 |
| 69.1 | 92.8 | 55.1 |
| 89.5 | 64.8 | 50.5 |
| 64.9 | 88.6 | 88.6 |
| 69.1 | 88.3 | 68.9 |
| 95.4 | 86.6 | 64.3 |
| 83.4 | 65.0 | 58.0 |
| 85.6 | 94.4 | 81.3 |
| 88.9 | 99.5 | 84.3 |
| 99.6 | 98.2 | 62.6 |
| 81.6 | 86.0 | 69.3 |