Homework assignment 12

Use black text (if possible) for everything you include in this document. Keep both your answers and the original questions. Save this document in PDF format and submit it on Canvas. Include your last name, the course number and the module number in the name of your file.

1. Show a documentation header. The documentation header is a description of who wrote the program, when it was written, what the purpose of the program is (briefly), and what restrictions (if any) that you may place on the program. For SPSS, you can just type the documentation as free format text. For other programs, you might use the comment feature (such as /\* and \*/ in SAS).

2. Re-use the sway data, [data-07-sway.txt](https://github.com/pmean/classes/blob/master/biostats-1/data/data-07-sway.txt), from Module 07. This dataset has no data dictionary, but a detailed description is available [here](https://gksmyth.github.io/ozdasl/general/balaconc.html). Make sure you include appropriate variable and value labels. Use boxplots to provide an informal assessment of normality both for front-to-back sway and side-to-side sway. Show the boxplots below along with an interpretation. Be sure to follow the guidelines for graphical displays listed in the rubric.

3. Regardless of your interpretation of normality, run a one-sided Mann-Whitney Wilcoxon test to see if the front-to-back and side-to-side sway values are larger for the elderly group. Use an exact test with an alpha level of 0.05. Interpret your results.