

This assignment is due at the beginning of class on Thursday, October 25, 2007. You must submit all problems that are marked with an asterisk (*). Your assignment must be stapled and problem numbers clearly labelled. You must integrate your computer printouts into the body of your text in an organized and meaningful way. Do not crowd your work and do not write in multiple columns!

1. * Do the following exercises from Higgins.

- page 105 #1(a) (It is fine to randomly sample the permutations with SAS.)
- Perform a Kruskal-Wallis test by hand for the data in #1(a) by computing the KW statistic and then using the χ^2 approximation and Table A7.
- page 105 #2 (Perform only the permutation F-test. It is fine to randomly sample the permutations with SAS.)
- page 105 #3 (Perform a Kruskal-Wallis test using SAS.)
- page 105 #5 (Perform a Kruskal-Wallis test by hand for the data by computing the KW_{tie} statistic and then using the χ^2 approximation and Table A7. Then perform the Kruskal-Wallis test using SAS, and compare your results.)