

STAT 672
Homework 7
due Wed. April 5

3 Problems. Show all work. Please follow the Lab report directions off the homework web page for R Problems.
Please work in Groups 2 (or 3)

1. p. 225, 6.18 and some extra parts.

(a) Make boxplots of the data. Use the formula syntax.

(b) Apply the the Kruskal-Wallis test. Be sure to state your hypotheses. Use the R function `kruskal.test`.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t6-6.txt>

(c) Compare the Kruskal-Wallis test to the one-way ANOVA procedure. You can use the R `aov` or `anova` functions. See

<http://www.stat.umn.edu/geyer/5601/examp/oneway.html>

for examples. Make sure to make `information` a factor!

2. p. 440, 8.41

Be sure to state your hypotheses.

Use the R function `cor.test`.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t8-3.txt>

3. p. 409, 8.1; p. 414, 8.20

Use the R function `cor.test`.

Be sure to state your hypotheses.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t8-3.txt>