

STAT 672
Homework 6
due Wed. March 8

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. 199, 5.34.

You can use the R function `ks.test`

(We did Problem 5.31 in class and obtained a $D=9.905$). Be sure to state all your hypotheses.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t4-2.txt>

2. p. 199, 5.38 (Exploratory Data Analysis (EDA) - the tests will be performed in Problem 3)

Make side-by-side boxplots of the data. Also, make a plot of the two edf's on the same graph using the R function `ecdf`. Describe any differences in the two datasets that you observe.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t5-7.txt>

3. p. 199, 5.38

Use can use the R functions `wilcox.exact` and `ks.test`

Be sure to compare the p-values. Be sure to state all your hypotheses.

The data is available off the class web page at:

<http://www.rohan.sdsu.edu/~babailey/stat672/t5-7.txt>