

STAT 496  
Homework 1 Problems  
due Wed. Sept. 12

4 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)!

Note: You will need to install the TSA package/library in R (just once). Then use the `library(TSA)` command in R to make it available to your R session.

In RStudio, you will **not** need to use the `win.graph` command!

1. p. 10: 1.2

2. p. 10: 1.3 (Don't forget to answer the question!)

In addition: The problem indicates to repeat several times. You should simulate 4 time series using 4 different `set.seed()` function values. You can use the  $2 \times 2$  plotting region for this problem.

3. p. 10: 1.4 (Don't forget to answer the question!)

In addition: The problem indicates to repeat several times. You should simulate 4 time series using 4 different `set.seed()` function values. You can use the  $2 \times 2$  plotting region for this problem.

4. p. 10: 1.6