Please e-mail your *R* script to econstats103@gmail.com by 17.00 Tuesday, Sep 15 with the subject line: ECON103-R-HW1.

Instructions

Go to *http://cran.r-project.org*, download and install *R*. Go to *http://www.rstudio.com*, download and install *RStudio*. *R* is the base program and *RStudio* is the user interface.

Open R-Studio. Create a *.R* script and call it "econ103r-rhw1-yournamehere.R" (File-New-RScript) and use it to type in your *R* code. Press "Source" or "Run" to execute your script. On your script, your code should do the following:

Q1

Create a vector x consisting of 100 randomly generated numbers between 0 and 1.

Q2

Compute the mean, median, and variance of x.

Q3

Compute the inter-quartile range of x.

Q4

Plot a histogram of x.