

Assignment 1

Problem 2 (40 Marks): The first five numbers in your Exponential data set are:

0.01	0.13	0.18	0.24	0.26
------	------	------	------	------

Sample mean = 7.9169

Sample standard deviation = 9.249768

The five number summary is:

0.010	2.070	5.095	11.120	90.520
-------	-------	-------	--------	--------

Sample median = 5.095

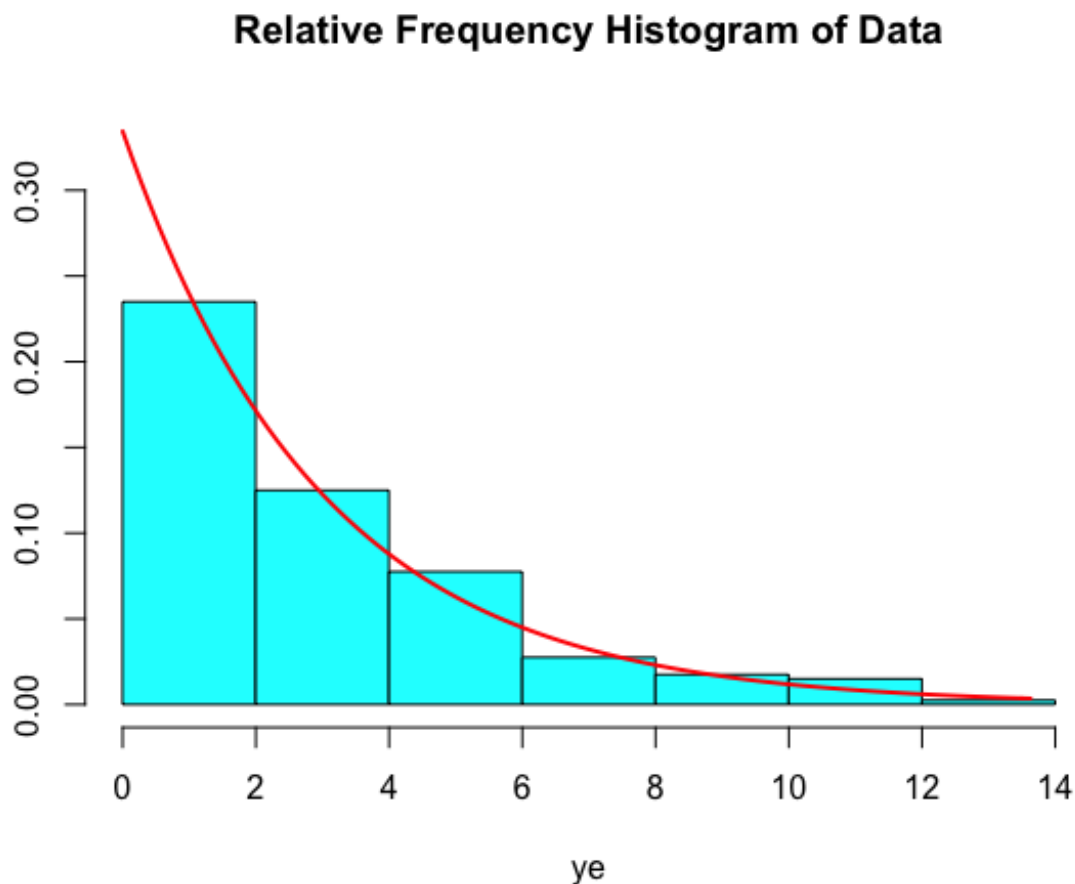
Range = $90.520 - 0.010 = 90.51$

IQR = $11.120 - 2.070 = 9.05$

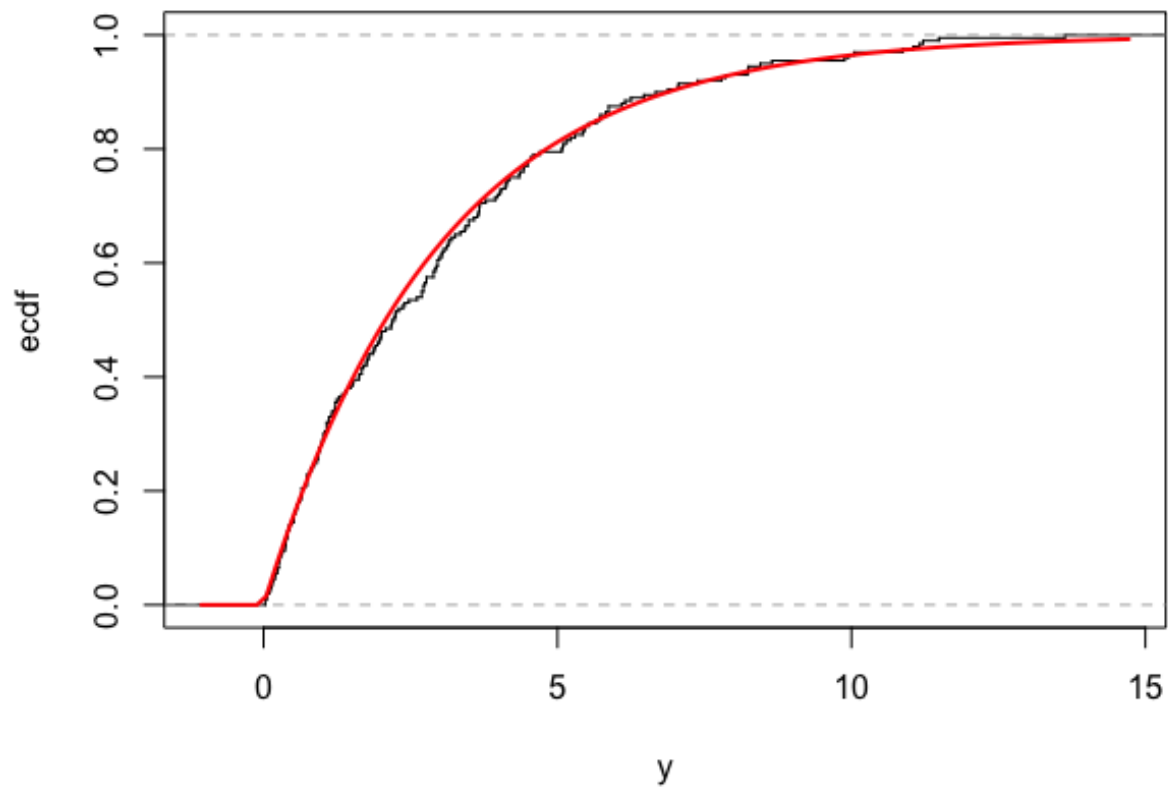
Sample skewness = 4.198336

Sample kurtosis = 33.82573

Insert the plots of the relative frequency histogram with superimposed Exponential probability density function and empirical cumulative distribution function with superimposed Exponential cumulative distribution function on this page.



Empirical and Exponential C.D.F.'s



Insert the boxplot comparing the Gaussian and Exponential data here.

