Group Assignment 1

Math 327

1. Following are the data of annual rainfall in inches for various cities throughout the world. Create a .txt file and save under the name “rainfall”.

Algiers 30 Lagos 72

Athens 16 La Paz 23

Beirut 35 Lima 2

Berlin 23 London 23

Bogota 42 Madrid 17

Bombay 71 Moscow 25

Cairo 1 Oslo 27

Dublin 30 Paris 22

Geneva 34 Rome 30

Havana 48 Vienna 26

1. Use “FORBES40” (uploaded in D2L) for Qualitative data analysis using R which will include the following analysis with graphs and comments:

a) Frequency distribution

b) Relative frequency distribution

c) Bar Graph

d) Pie Chart

1. Use the dataset “faithful” from packages in R and analyze the following:

a) Frequency distribution

b) Relative frequency distribution

c) Cumulative frequency distribution

d) Histogram (Relative frequency)

e) Stem and Leaf

f) Scatter Plot

1. Use “rainfall” to conduct a numerical data analysis and find the following measures: Mean, Median, Quartile, Percentile, Range, IQR, Box plot, Variance, S.D.,