

Elementary Statistics

Computer Assignment 1

Name:.....

1. Go to your programs menu and click on Microsoft Excel.

Follow the steps given below to find the **summary statistics** of the data from problem 3.8 (page 53).

In EXCEL spreadsheet enter the data in column A (All the 15 observations on column A).

Click on Tools, Data Analysis, Descriptive Statistics, OK.

Then click on Input Range and highlight the data or type “\$A\$1:\$A\$15” without quotes.

Click on Summary Statistics and click on OK.

Print the results.

If Data Analysis is not available under Tools, Click on Add-ins. Then click on Analysis Toolpak (in the box). Click on OK.

- 2 Construct a **histogram** for the above data.

Click on Sheet 1 in which you have your data.

On Column B type 36, 40, 44, 48, 52.

Click on Tools, data Analysis, Histogram.

For Input Range, highlight the data.

For Bin Range highlight the numbers on column B.

Click on Chart Output and then OK.

You can enlarge the diagram by dragging it from its corners.

Print the results.

You may cut and paste the excel outputs to a word document.

- 3 Go to tools, Data Analysis, Random Number Generation. In the dialogue box fill in the following information.

Number of variables is one.

Number of random numbers is 100.

Distribution is Normal. Mean is zero.

Standard deviation is one.

Click on OK.

This will generate one hundred random standard normal numbers in column A.

Type -3.5, -3.0, -2.5, -2.0, -1.5, -1.0, -0.5, 0, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5 on column B.

Back to Tools, Data Analysis, and Histogram. Input range is A (\$A\$1:\$A\$100).

Bin range is B(\$B\$1:\$B\$15). Click on Chart output. Click on OK.

Write your name and hand in.