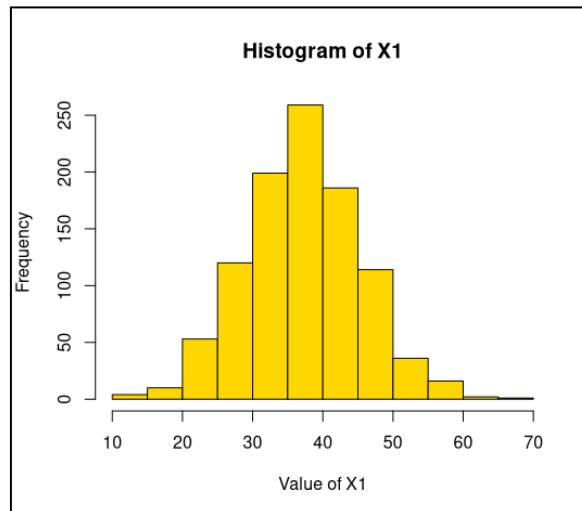**Name : Muhammad Haziq Faiz Bin Mohd Ripin**
ID   : 1201302740
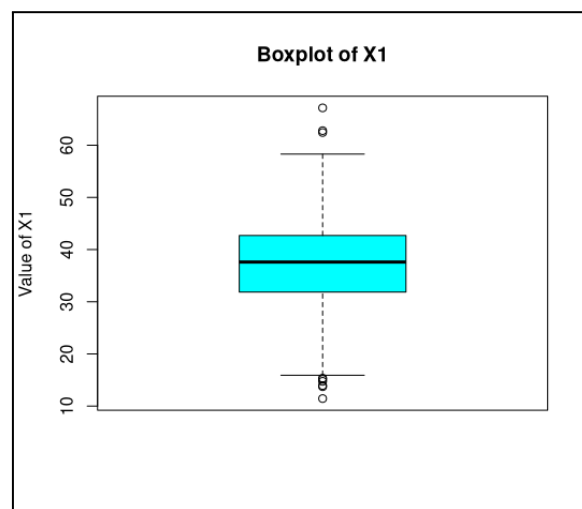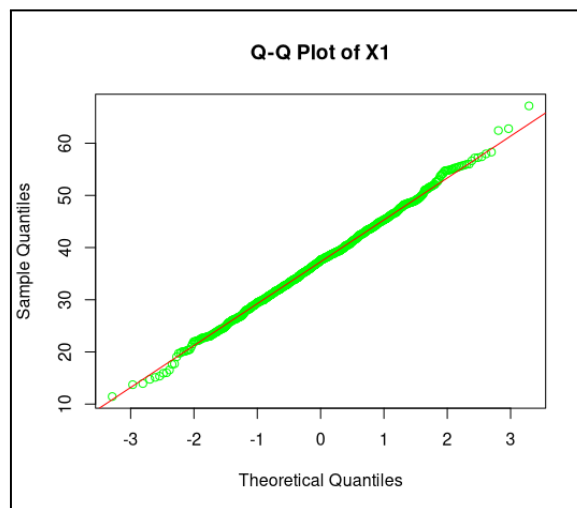**Date : 25-10-2022**

Column X1

1.

- Symmetric.
- No signs of fat or skinny tail.
- Mean = mode = median.

2.

- Median is around 36.
- Max is around 68. Min is around 11.
- IQR is around 10.
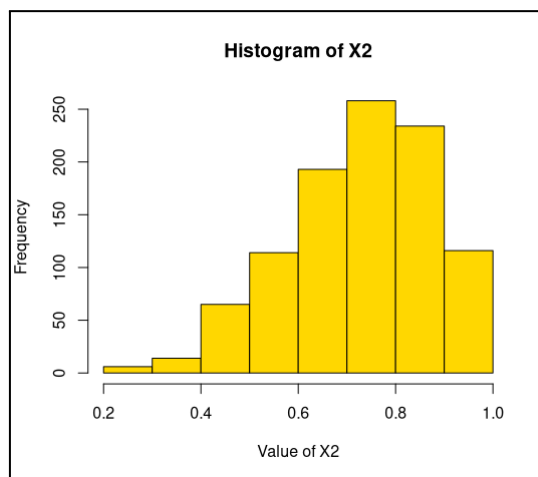- There are outliers on both ends of the box.

3.

Q-Q Plot of X1

- All points are almost on the normal line.
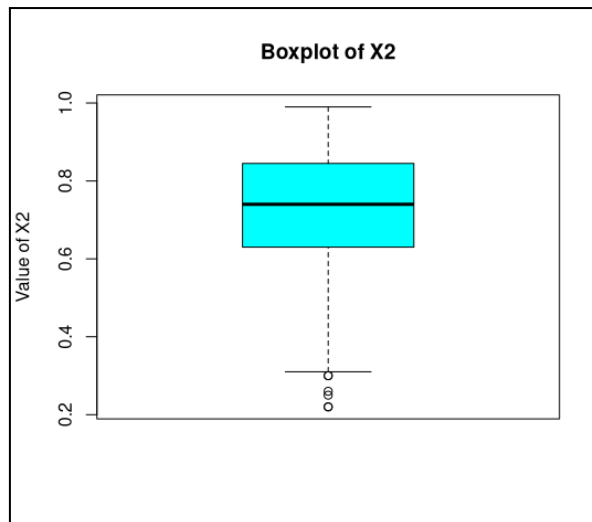- No sign of skewness or abnormal tails.

4. It is normally distributed

Column X2

1.

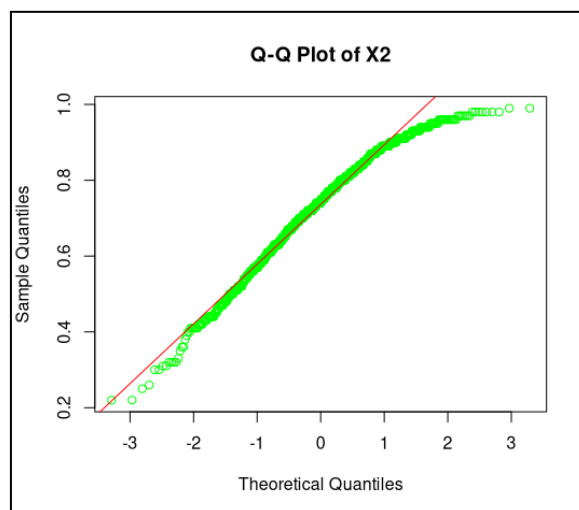Histogram of X2

- Asymmetric and left-skewed.
- Mode > Median > Mean.

2.

Boxplot of X2

- Median is around 0.7
- Minimum value is around 0.1.
- IQR is around 0.2.
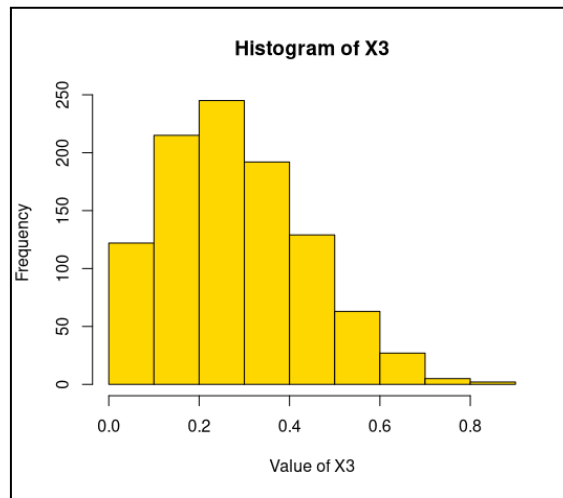- There are outliers lower than Q1-(IQR x 1.5).

3.

Q-Q Plot of X2

- Skewed to the left. The upper end deviates from the line while the lower end does not.

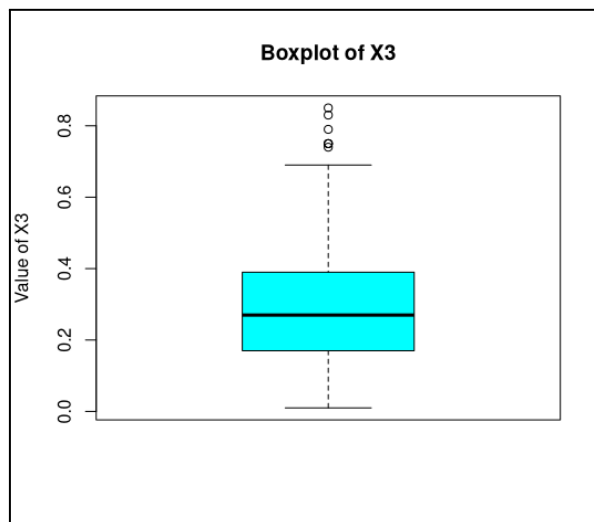4. No, it's not normally distributed because it is left-skewed.
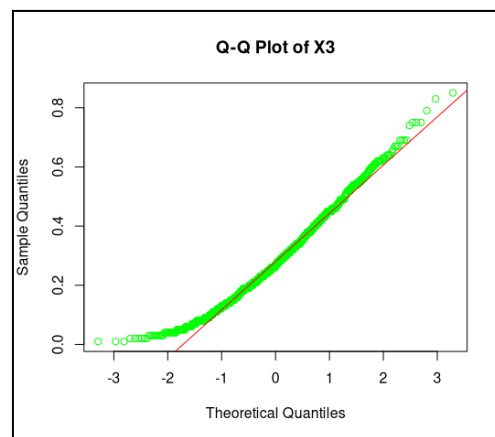
Column X3

1.

- Asymmetric and right-skewed.
- Mean > Median > Mode.

2.

- Median is around 0.25
- Maximum value is around 0.89.
- IQR is around 0.2.
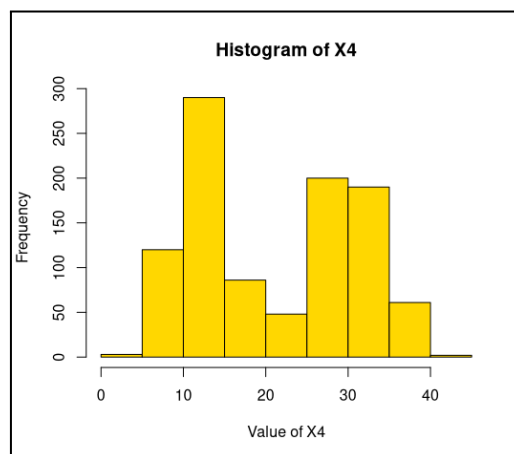- There are outliers bigger than Q3+(IQR x 1.5).

3.

- Skewed to the left. The lower end deviates from the line while the higher end does not.

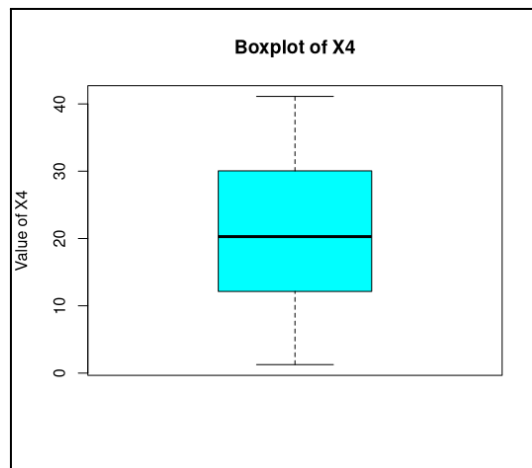4. No, it's not normally distributed because it is right-skewed.
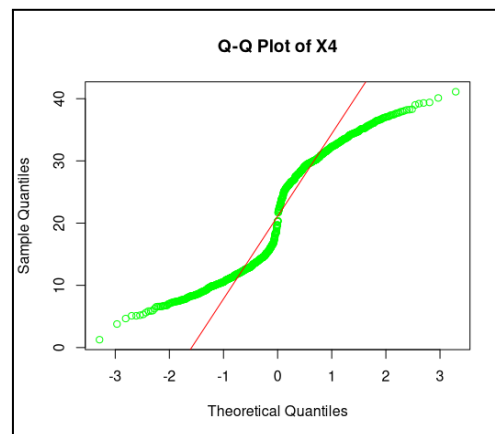
Column X4

1.

- Asymmetric.
- Showing signs of a fat tail.
- Hard to tell the value of the mean and the median from the histogram.

2.

Boxplot of X4

- Median is 20.
- IQR is around 15.
- No outliers.

3.

Q-Q Plot of X4

- It looks like the letter S.
- The upper ends lie below the line while the lower end lies above the line. The distribution has a fat tail. The probability of the extremes are higher than normal.

4. It is not normally distributed. It has a fat tail and the mean, median and mode have different values.