Baruch College, STA-CIS 3920, Exercise#1 Anil Poonai 37

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**Exercise 1.1**

A picture containing different, group, table, flying

Description automatically generateda.

b.

The seq function creates a range of numbers starting with -4 and increments it by .1 until the range reaches 4.

c.

A screenshot of a cell phone

Description automatically generated

d.

A picture containing different, group

Description automatically generated

e.

A screenshot of a cell phone

Description automatically generated

**Exercise 1.2**

A picture containing screenshot

Description automatically generateda.

This isn’t surprising as it does have some form of resemblance to a normal distribution but there isn’t enough points to accurately be portrayed as one.

b.



A close up of a logo

Description automatically generated

This is better but still off from being a normal distribution although it is much more smoother to being one than the previous one as there is some sort of resemblance based on the density of each bin instead of just having the overall shape of the graph being similar.

c.

A picture containing boat

Description automatically generated

**Exercise 1.3**

The plots are more centered around the expected value, which is shows on the vertical axis while they also have less of a spread the lower the standard deviation value. Although my graph is a little bit on the extreme side as I was having some fun with the numbers.

A picture containing knife

Description automatically generated

A picture containing nature, rain, flying, water

Description automatically generated

**APPENDIX**

Practicing Commands

