David Schlosz Assignment 3

#Bring In Data

pal<-read.csv("https://raw.githubusercontent.com/DSchlosz/EDU7043/master/Portraits%20of%20American%20Life%20Study%2C%20Merged%20Dataset%2C%202006-2012.csv", stringsAsFactors = F)

1. Central Tendencies of 3 variables:

Porn usage amongst Christians surveyed:

Min. 1st Qu. Median Mean 3rd Qu. Max.

1.00 1.00 3.00 2.71 4.00 6.00

Mean: 2.71

Median:3

Mode:1

Sex before marriage of Christians surveyed:

Min. 1st Qu. Median Mean 3rd Qu. Max.

-4.00 1.00 2.00 2.35 3.00 5.00

Mean: 2.35

Median:2

Mode:1

Sex with someone other than spouse/partner of Christians surveyed:

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's

-7.000 1.000 3.000 2.143 5.000 7.000 93

Mean:2.143

Median:3

Mode: 1

1. Describe the variables through variation.

Variance:

No sex before marriage: 2.795455

Porn Usage: 2.389798

Sex in marriage NA (with someone other than spouse/partner)

I did not remove the NA’s from this dataset because I think it is relevant that so many people found the question to be not applicable to their situation.

Range:

No sex before marriage: 9

Porn Usage: 5

Sex in marriage 14 (with someone other than spouse/partner)

SD:

No sex before marriage: 1.67

Porn Usage: 1.55

Sex in marriage 4.63 (with someone other than spouse/partner)

1. Discuss normality.

**Porn usage:**



This histogram is skewed and would not be considered normal.



However the Q-Q plot does indicate normality

**Sex before Marriage:**



This histogram is skewed and would NOT be considered normal.



However the Q-Q plot does indicate normality.

**Sex Outside of Marriage:**





This histogram follows the typical bell curve shape and can be considered normal.