Anthony Espinoza

EDG500

2/7/23

SPSS Chapter 5

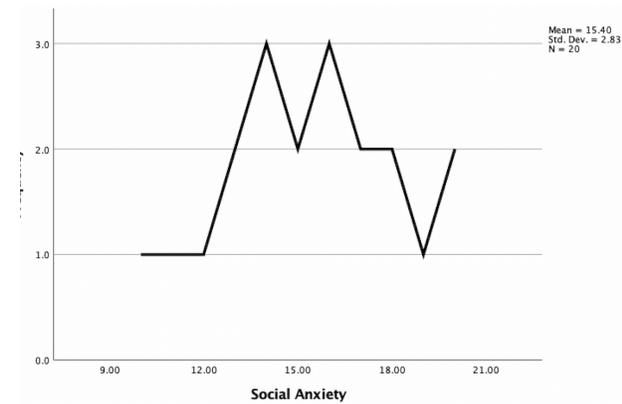GGraph

Figure 5.7. Frequency polygon (SPSS Statistics format).
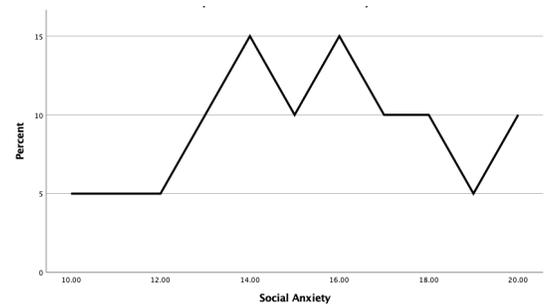
GGraph

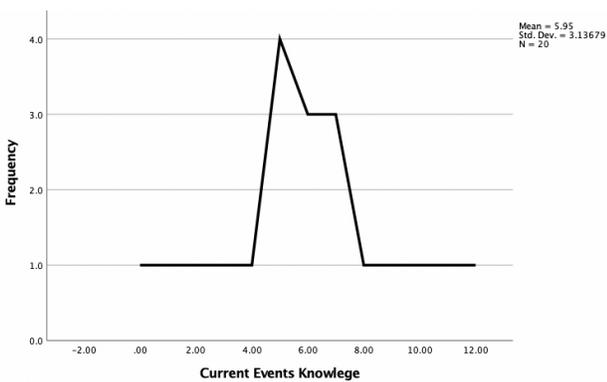Figure 5.9. Polygon showing percentages for **Social Anxiety** scores.

GGraph

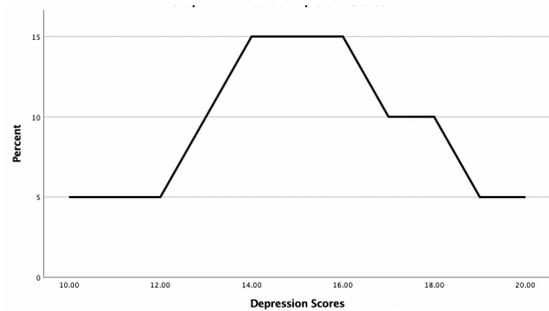*Figure 6.0.* Frequency Polygon showing current events knowledge.

GGraph

Figure 6.1. Polygon showing percentages for **Depression** scores.

SPSS Chapter 6

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Attitude Toward Tobacco	20	100.0%	0	0.0%	20	100.0%
Number of Cigarettes Smoked	20	100.0%	0	0.0%	20	100.0%

Descriptives

			Statistic	Std. Error
Attitude Toward Tobacco	Mean		5.3000	.54338
	95% Confidence Interval for Mean	Lower Bound	4.1627	
		Upper Bound	6.4373	
	5% Trimmed Mean		5.3333	
	Median		5.5000	
	Variance		5.905	
	Std. Deviation		2.43007	
	Minimum		1.00	
	Maximum		9.00	
	Range		8.00	
	Interquartile Range		4.50	
	Skewness		−.340	.512
	Kurtosis		−.885	.992
Number of Cigarettes Smoked	Mean		20.5000	3.42014
	95% Confidence Interval for Mean	Lower Bound	13.3416	
		Upper Bound	27.6584	
	5% Trimmed Mean		18.8889	
	Median		15.5000	
	Variance		233.947	
	Std. Deviation		15.29534	
	Minimum		8.00	
	Maximum		62.00	
	Range		54.00	
	Interquartile Range		10.25	
	Skewness		1.860	.512
	Kurtosis		2.574	.992

Attitude Toward Tobacco

```
Attitude Toward Tobacco Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     2.00        0 .  11
     3.00        0 .  233
     5.00        0 .  44555
     5.00        0 .  66677
     5.00        0 .  88889

 Stem width:     10.00
 Each leaf:       1 case(s)
```
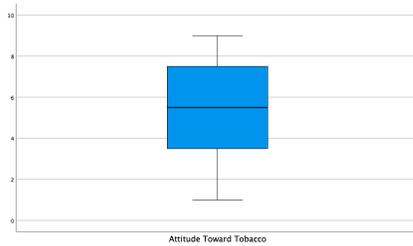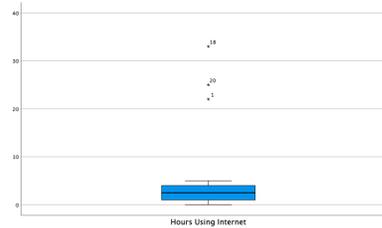

Hours Using Internet

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Hours Using Internet Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     3.00        0 .  000
     4.00        1 .  0000
     3.00        2 .  000
     4.00        3 .  0000
     2.00        4 .  00
     1.00        5 .  0
     3.00 Extremes    (>=22.0)

 Stem width:      1.00
 Each leaf:       1 case(s)
```


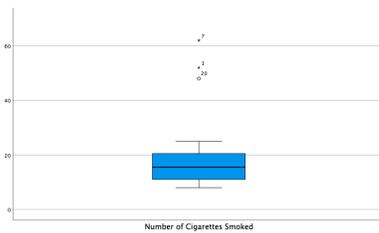## Number of Cigarettes Smoked

```
Number of Cigarettes Smoked Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     3.00        0 .  888
     4.00        1 .  0024
     7.00        1 .  5556678
     2.00        2 .  01
     1.00        2 .  5
     3.00 Extremes    (>=48)

 Stem width:     10.00
 Each leaf:       1 case(s)
```
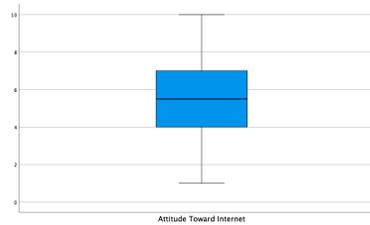

Attitude Toward Internet

```
Attitude Toward Internet Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     7.00        0 .  1333444
    12.00        0 .  555666677779
     1.00        1 .  0

 Stem width:     10.00
 Each leaf:       1 case(s)
```


Statistics

Attitude Toaward Tobacco

N	Valid	20
	Missing	0

Attitude Toaward Tobacco

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	10.0	10.0	10.0
	2.00	1	5.0	5.0	15.0
	3.00	2	10.0	10.0	25.0
	4.00	2	10.0	10.0	35.0
	5.00	3	15.0	15.0	50.0
	6.00	3	15.0	15.0	65.0
	7.00	2	10.0	10.0	75.0
	8.00	4	20.0	20.0	95.0
	9.00	1	5.0	5.0	100.0
	Total	20	100.0	100.0	

Chapter 6 Exercise questions

A) The mean for Hours Using Internet is 5.75 hours.
B) The median for Hours Using Internet is 2.50 hours.
C) For Hours Using Internet I would present the median only, due to how highly skewed to the right the distribution is.
D) The distribution of hours using the internet in a week is highly skewed, with only three of the 20 college students reporting that they used the internet for over 22 hours or more. The median number of hours using the internet was approximately 2.50 ($Mdn = 2.50$).
E) The mean for Attitude Toward Internet is 5.40.
F) The median for Attitude Toward Internet is 5.50.
G) For Attitude Toward Internet I would present the mean only, due to the distribution not being skewed. The responses from the participants were limited to scores of zero to ten.
H) Attitude Toward Internet for 20 college students using the internet for course-related information was measured on a self report scale with possible scores from 0 to 10. The mean score was 5.40 ($m = 5.40$).