

Summary Statistics for Survey Data

#Mean and Median of Q1 (Academic Standing)

```
> mean(Q1N)
[1] 2.821429
> median(Q1N)
[1] 3
```

#The mean years spent in attendance in college by the respondents is 2.82 based on this data, while the median years spent in attendance in college is 3. Thus, there is a slight skew towards younger/earlier students taking the survey.

#Mean and Median of Q7.1 (Data Literacy Likert Scale Question)

#Note; NA responses had to be removed with na.omit function, n=48

```
> na.rmQ7.1N <- na.omit(Q7.1N)
> mean(na.rmQ7.1N)
[1] 4.208333
> median(na.rmQ7.1N)
[1] 4
```

#The mean Likert response to the statement “The ability to critically think about and evaluate data (data literacy) is important to my academics and future career.” is 4.21 (i.e. “Agree”, with some skew towards “Strongly Agree”), while the median Likert response is 4.

#Mean and Median of Q7.2 (Data Analysis Likert Scale Question)

#Note; NA responses had to be removed with na.omit function, n=48

```
> na.rmQ7.2N <- na.omit(Q7.2N)
> mean(na.rmQ7.2N)
[1] 4.270833
> median(na.rmQ7.2N)
[1] 5
```

#The mean Likert response to the statement “The ability to analyze data is important to my academics and future career.” is 4.27 (i.e. “Agree”, with some skew towards “Strongly Agree”), while the median Likert response is 5 (i.e; Strongly agree)

#Mean and Median of Q7.3 (Data Visualization Likert Scale Question)

#Note; NA responses had to be removed with na.omit function, n=48

```
> na.rmQ7.3N <- na.omit(Q7.3N)
```

```
> mean(na.rmQ7.3N)
```

```
[1] 4.083333
```

```
> median(na.rmQ7.3N)
```

```
[1] 4
```

#The mean Likert response to the statement “The ability to visualize data is important to my academics and future career.” is 4.08 (i.e. “Agree”, with very slight skew towards “Strongly Agree”), while the median Likert response is 4 (i.e. “Agree”)