# APA Style Review / How to Excel Those Charts

1. Here are the averages of several variables from the basic data review set. Please make a table of the averages and standard deviations.

| **Descriptive Statistics** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| helpful | 369 | 1 | 7 | 6.05 | .999 |
| self reliant | 369 | 1 | 9 | 5.93 | 1.212 |
| defend beliefs | 369 | 1 | 7 | 5.91 | 1.339 |
| yielding | 369 | 1 | 9 | 4.53 | 1.327 |
| cheerful | 369 | 1 | 9 | 5.81 | 1.066 |
| Valid N (listwise) | 369 |  |  |  |  |

1. Using the affect (affectionate) and flatter variables in the basic data review set, make a scatter plot of the data with affectionate as the X axis.
2. Create a line graph of the answers for willing to take a stand. Note: This graph is a way to make your own histogram of the data. Do not use the total information.

| **willing to take a stand** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 1 | 4 | 1.1 | 1.1 | 1.1 |
| 2 | 11 | 3.0 | 3.0 | 4.1 |
| 3 | 26 | 7.0 | 7.0 | 11.1 |
| 4 | 61 | 16.5 | 16.5 | 27.6 |
| 5 | 82 | 22.2 | 22.2 | 49.9 |
| 6 | 98 | 26.6 | 26.6 | 76.4 |
| 7 | 87 | 23.6 | 23.6 | 100.0 |
| Total | 369 | 100.0 | 100.0 |  |

1. Create a bar graph of the means for the beginning and end of the semester data for the variable provided below (one bar graph).

**semestertime = beginning**

| **Descriptive Statisticsa** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| soft spoken | 180 | 1 | 7 | 4.48 | 1.686 |
| warm | 180 | 2 | 7 | 5.69 | 1.053 |
| truthful | 180 | 3 | 7 | 6.44 | .793 |
| tender | 180 | 2 | 7 | 5.55 | 1.164 |
| gullible | 180 | 0 | 9 | 3.66 | 2.034 |
| Valid N (listwise) | 180 |  |  |  |  |
| a. semestertime = beginning | | | | | |

**semestertime = end**

| **Descriptive Statisticsa** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| soft spoken | 189 | 1 | 7 | 4.63 | 1.611 |
| warm | 189 | 1 | 7 | 5.62 | 1.043 |
| truthful | 189 | 0 | 7 | 6.32 | .847 |
| tender | 189 | 2 | 7 | 5.48 | 1.075 |
| gullible | 189 | 1 | 7 | 3.78 | 1.772 |
| Valid N (listwise) | 189 |  |  |  |  |
| a. semestertime = end | | | | | |