W2A4

Choose and compute the appropriate descriptive statistics to describe characteristics of the sample under study (such as sex distribution, age, and ethnicity) and the anxiety reported by the sample at pretreatment, making sure to include at least one example each of visual descriptive, a measure of central tendency, and variability. Report the findings in the APA format and write a brief paragraph describing your findings.

Sex

The majority of subjects under consideration are females.

Age

Mean = = 11.11111111

Mean is the arithmetic average of data that is the sum of all the numbers divided by the number of observations contributing to that sum. The mean is the balance point and is the most common measure of central tendency.

Standard deviation = = 1.615893286

The standard deviation is the square root of variance a measure of the degree of dispersion of data from the mean value. A large standard deviation indicates that the data points are far from the mean and a small standard deviation indicates that they are closely around the mean.

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| --- | --- |
| **Age** | |
| Mean | 11.11111111 |
| Standard Error | 0.538631095 |
| Median | 11 |
| Mode | 10 |
| Standard Deviation | 1.615893286 |
| Sample Variance | 2.611111111 |
| Kurtosis | -0.350384789 |
| Skewness | 0.686569158 |
| Range | 5 |
| Minimum | 9 |
| Maximum | 14 |
| Sum | 100 |
| Count | 9 |

45% of the subjects are Caucasian.

33% are African American

22% are Latino

Anxiety Pre-treatment

Mean = = 23

Mean is the arithmetic average of data that is the sum of all the numbers divided by the number of observations contributing to that sum. The mean is the balance point and is the most common measure of central tendency.

Standard deviation = = 2.179449472

The standard deviation is the square root of variance, a measure of the degree of dispersion of the data from the mean value. A large standard deviation indicates that the data points are far from the mean and a small standard deviation indicates that they are closely around the mean.

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| **Pre-RCMAS** | |
| Mean | 23 |
| Standard Error | 0.726483157 |
| Median | 22 |
| Mode | 22 |
| Standard Deviation | 2.179449472 |
| Sample Variance | 4.75 |
| Kurtosis | -1.271072418 |
| Skewness | 0.372584951 |
| Range | 6 |
| Minimum | 20 |
| Maximum | 26 |
| Sum | 207 |
| Count | 9 |