Statistics is the art and science of collecting, organizing, analyzing, and interpreting data. Please study any sample dataset from a larger population. You are expected to organize, analyze and interpret the data, and make reasonable inferences and comparisons about the population based on the sample you are studying.

Attached is a dataset consisting of a random sample of incoming Cymbalta Community College Freshmen from Fall 2009. The data is current as of the end of Spring 2010.

 Analyze the data and write a brief report summarizing your findings. **If you can provide a brief analysis I will write the report**

1. Provide an overall explanation of the data you are analyzing; e.g., where did the data come from (Ans - **Cymbalta community college**), what does each row in the dataset represent (**Gender,city,age etc**.), what does each variable mean **( I need help with this**)?
2. Describe the information each variable provides. Include frequencies and percentages of each variable. Apply measures of central tendency, range, and variability when suitable. Describe the shape of the distribution when appropriate. Use charts or graphs.

**Below is a dataset that you may use or modified anyway you want.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Student identification # | Gender | City | Age | FT/PT | GPA | Race/Ethnicity |
| 50 | M | Bridgeport | 24 | P | 3.71 | Black or African-American |
| 100 | F | Bridgeport | 23 | P | 2.68 | Black or African-American |
| 150 | F | Stratford | 19 | F | 1.33 | Black or African-American |
| 200 | F | Bridgeport | 33 | P | 3.41 | Black or African-American |
| 250 | M | Bridgeport | 24 | P | 3.23 | Black or African-American |
| 300 | F | Bridgeport | 19 | F | 0 | Black or African-American |
| 350 | F | Bridgeport | 62 | P | 2.37 | Black or African-American |
| 400 | M | Bridgeport | 19 | P | 0.76 | Black or African-American |
| 450 | F | Trumbull | 18 | F | 3.87 | Black or African-American |
| 500 | M | Bridgeport | 64 | P | 0 | Choose Not to Respond |
| 550 | M | Bridgeport | 18 | P | 0 | Other |  |
| 600 | F | Stratford | 26 | P | 2.34 | White |  |
| 650 | F | Bridgeport | 20 | F | 2.45 | White |  |
| 700 | M | Other | 24 | P | 2.62 | White |  |
| 750 | M | Milford | 45 | P | 3.35 | White |  |
| 800 | M | Milford | 19 | F | 3 | White |  |
| 850 | M | Stratford | 24 | P | 4 | White |  |
| 900 | F | Other | 23 | P | 4 | White |  |
| 950 | F | Bridgeport | 36 | P | 3.5 | White |  |
| 1000 | F | Shelton | 20 | P | 2.7 | White |  |
| 1050 | M | Fairfield | 26 | P | 2 | White |  |
| 1100 | M | Monroe | 18 | P | 2.08 | White |  |
| 1150 | M | Other | 24 | F | 3.64 | White |  |
| 1200 | F | Stratford | 22 | P | 2.26 | Hispanic or Latino |
| 1250 | F | Bridgeport | 24 | P | 0 | Hispanic or Latino |
| 1300 | F | Stratford | 24 | P | 2.97 | Hispanic or Latino |
| 1350 | F | Stratford | 18 | F | 1.86 | Hispanic or Latino |
| 1400 | F | Milford | 20 | P | 3 | Hispanic or Latino |
| 1450 | F | Bridgeport | 20 | F | 2.3 | Hispanic or Latino |
| 1500 | M | Bridgeport | 18 | P | 3.36 | Hispanic or Latino |