**Difference in variable types**

Explain *In your own words* the difference between qualitative and quantitative variables. Which descriptive statistics are appropriate for qualitative variables and which are appropriate for quantitative variables and why?

**Descriptive statistics: Qualitative variable**

 Copy/Paste appropriate descriptive statistics from Excel here for your qualitative variable

**Explanation of descriptive statistics**

 Explain what these descriptive statistics represent or what recommendations you would make to AIU. What information do you now have as a result of processing this data?

**Descriptive statistics: Quantitative variable**

 Copy/ Paste appropriate descriptive statistics from Excel for your quantitative variable.

**Explanation of descriptive statistics**

 Explain what these descriptive statistics represent or what recommendations you would make to AIU. What information do you now have as a result of processing this data?

**Chart/Graph for qualitative variable**

 INSERT CHART here for qualitative variable. Be sure that you have included labels in the chart.

**Description of Chart**

 Insert your written description of the chart pasted above

**Chart/Graph for quantitative variable**

 INSERT CHART here for quantitative variable. Be sure that you have included labels in the chart.

**Description of Chart**

 Insert your written description of the chart pasted above

**Explanation of standard deviation and variance**

 Explain the importance of standard deviation and variance, what they measure and why they are needed.

**Importance of charts and graphs**

 Explain the importance of charts and graphs in conveying information.

**Conclusion**

 Add some concluding remarks-can be a sentence or two.