Morgan Baccus  
CptS 475  
Assignment 2

**Part 1  
a.**



**b.**  **All schools:**

Input: 

Result: 

**Private vs. Public schools:**

Input: 

Result: A picture containing graphical user interface

Description automatically generated

**c.** Input:

Text

Description automatically generated

Result:

Chart, scatter chart

Description automatically generated

**d.**  Input:

A screenshot of a computer

Description automatically generated with medium confidence

Result:

Chart, histogram

Description automatically generated Chart, histogram

Description automatically generated

**e.** There are 22 top schools.

Input:

Text

Description automatically generated

Result:

Chart, box and whisker chart

Description automatically generated

**f.** Input:  
 Text

Description automatically generated

Result:

Chart, scatter chart

Description automatically generated  
I expected to see a correlation between graduation rate and student faculty ratio, however there does not appear to be one. There are some points that have a low student faculty ratio and a very high graduation rate, but there isn’t a strong corelation between the two. I expected schools with a lower student faculty ratio to have higher graduation rates than the schools with a higher student faculty ratio.

Input:

Text

Description automatically generated

Result:

Chart, scatter chart

Description automatically generated

It appears that there is a correlation between new students from the top 10% of high schools and graduation rates. There is slight trend shown in the scatter plot where lower numbers of students from the top 10% of high schools have lower graduation rates. The same can be saif of higher rates for both variables. This correlation makes sense as students from good high schools generally perform better at university and are more likely to graduate.

**Part 2**

**a.** **Quantitaive:**  
 FFMC  
 DMC  
 DC  
 ISI  
 temp  
 RH  
 wind  
 rain  
 area

**Qualitative:**  
 month  
 day

**b.** Input:

Graphical user interface, text

Description automatically generated

Result:

Table

Description automatically generated with medium confidence

**c.** Input:

Graphical user interface, text

Description automatically generated

Result:

Table

Description automatically generated with low confidence

d.