# Statistics Question 2

Name

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Course

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# Question 2

2.1.

Scatter plot

The total cost of physician vs number of employees

The number of employees vs. number of visits

Total cost for physician visit vs number of visits

2.2.

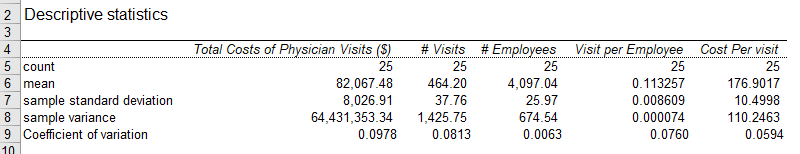
The visit per employee =Total visit/Total number of employees

Cost per visit =Total cost/Total number of visits

The values are given in the Excel file.

2.3

The descriptive statistics was calculated using Excel the output of which is shown below.



2.4

Based on the descriptive statistics we can says that the average weekly cost of Physician visit is $82067.48 (SD=8206.91).Further on average the total visit is 464 (SD=37.76).When considering the utilization rate, the average visit per employee was 0.113 (SD=0.008) and the total physician cost per visit was 176.9 (SD=10.50).These statistics are very useful to understand the trend in the total outpatient physician cost that they are generating. A higher Physician cost will imply a higher revenue for the physician which would be used to pay its employees.