Samuel Rivers

September 14, 2020

BUS 310-009

Week #3: Chapter #3 Case Study Homework Submission

Age:

|  |  |
| --- | --- |
| Mean | 21.972973 |
| Standard Error | 0.22803489 |
| Median | 22 |
| Mode | 21 |
| Standard Deviation | 2.40249665 |
| Sample Variance | 5.77199017 |
| Kurtosis | 1.18422204 |
| Skewness | 0.92561352 |
| Range | 12 |
| Minimum | 18 |
| Maximum | 30 |
| Sum | 2439 |
| Count | 111 |

The average age is 21.

GPA:

|  |  |
| --- | --- |
| Mean | 3.10927928 |
| Standard Error | 0.03812298 |
| Median | 3.1 |
| Mode | 3.1 |
| Standard Deviation | 0.40165049 |
| Sample Variance | 0.16132311 |
| Kurtosis | -0.2074118 |
| Skewness | -0.4068195 |
| Range | 1.9 |
| Minimum | 2 |
| Maximum | 3.9 |
| Sum | 345.13 |
| Count | 111 |

The average GPA is around 3.12

Salary:

|  |  |
| --- | --- |
| Mean | 54.5495495 |
| Standard Error | 1.00004003 |
| Median | 55 |
| Mode | 45 |
| Standard Deviation | 10.5360755 |
| Sample Variance | 111.008886 |
| Kurtosis | 0.46600351 |
| Skewness | 0.36573194 |
| Range | 55 |
| Minimum | 30 |
| Maximum | 85 |
| Sum | 6055 |
| Count | 111 |

The expected average salary is around $54.55 in thousands

Social Networking:

|  |  |
| --- | --- |
| Mean | 5.13513514 |
| Standard Error | 0.27284604 |
| Median | 5 |
| Mode | 4 |
| Standard Deviation | 2.87461139 |
| Sample Variance | 8.26339066 |
| Kurtosis | 1.07647887 |
| Skewness | 0.85593918 |
| Range | 15 |
| Minimum | 0 |
| Maximum | 15 |
| Sum | 570 |
| Count | 111 |

The average amount of social networking websites students are registered on is about 5.

Satisfaction:

|  |  |
| --- | --- |
| Mean | 4.0990991 |
| Standard Error | 0.11154118 |
| Median | 4 |
| Mode | 4 |
| Standard Deviation | 1.17515922 |
| Sample Variance | 1.38099918 |
| Kurtosis | 0.77761443 |
| Skewness | -0.5035341 |
| Range | 6 |
| Minimum | 1 |
| Maximum | 7 |
| Sum | 455 |
| Count | 111 |

4 is the average satisfaction rating of the food and dining services on campus out of 7.

Spending:

|  |  |
| --- | --- |
| Mean | 917.522523 |
| Standard Error | 21.8944001 |
| Median | 860 |
| Mode | 800 |
| Standard Deviation | 230.671819 |
| Sample Variance | 53209.4881 |
| Kurtosis | 5.16341421 |
| Skewness | 1.81799073 |
| Range | 1430 |
| Minimum | 570 |
| Maximum | 2000 |
| Sum | 101845 |
| Count | 111 |

Students spent an average $917.52 on textbooks and supplies this semester.

Text Messages:

|  |  |
| --- | --- |
| Mean | 224.441441 |
| Standard Error | 19.4776071 |
| Median | 150 |
| Mode | 100 |
| Standard Deviation | 205.209325 |
| Sample Variance | 42110.867 |
| Kurtosis | 0.1688802 |
| Skewness | 1.01389819 |
| Range | 800 |
| Minimum | 0 |
| Maximum | 800 |
| Sum | 24913 |
| Count | 111 |

Students typically send an average 224.4 texts per week.

Wealth:

|  |  |
| --- | --- |
| Mean | 10.9123874 |
| Standard Error | 2.2337837 |
| Median | 2 |
| Mode | 1 |
| Standard Deviation | 23.5343716 |
| Sample Variance | 553.866646 |
| Kurtosis | 7.99964782 |
| Skewness | 2.97240323 |
| Range | 99.9 |
| Minimum | 0.1 |
| Maximum | 100 |
| Sum | 1211.275 |
| Count | 111 |

Students would consider themselves rich if they had an average $10.9 million dollars in income, savings, investment, real estate, and other assets.