Assignment 2

Date 28/01/2015

1. Suppose the marks obtained in the statistics examination were

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 27 | 36 | 48 | 52 | 52 | 53 | 53 | 59 | 60 |

|  |  |  |
| --- | --- | --- |
| 85 | 90 | 95 |

Describe the overall performance of these 13 students by calculating an ‘average’ score using the mean, median and mode.

1. The distribution of insurance claims processed each day is a follows:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Claims(x) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Freq (f) | 3 | 4 | 4 | 5 | 5 | 7 | 5 | 3 | 3 | 1 |

Find Measure of central tendency.

1. The distribution of marks of 400 candidates in an A-level examination are given below
2. Calculate the mean value
3. Construct the cumulative frequency curve and estimate the median, lower and upper quartile values.

|  |  |
| --- | --- |
| Marks | Frequency |
| 0-10 | 6 |
| 11-20 | 15 |
| 21-30 | 31 |
| 31-40 | 80 |
| 41-50 | 93 |
| 51-60 | 69 |
| 61-70 | 54 |
| 71-80 | 33 |
| 81-90 | 12 |
| 91-100 | 7 |