**DCM2104 Business Statistics**

**Assignment Set – 1**

1. Statistical data are classified in respect of their characteristics. In lieu of this explain four types of classification of data.

2. In a correlation study, the following values are obtained.

|  |  |  |
| --- | --- | --- |
|  | **X** | **Y** |
| **Mean** | 65 | 67 |
| **S.D.** | 2.5 | 3.5 |

Coefficient of correlation, r = 0.8. Find the two regression equations.

3. Explain the average with the features required for a good or an ideal average.

**Assignment Set – 2**

4. Discuss Hypotheses and hypothesis testing in detail.

5. A study was carried out on the advertising methods of a brand of product. The unit sales achieved by five stores were recorded as under:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Store A** | **Store B** | **Store C** | **Store D**  | **Store E** |
| **Method I** | 78 | 85 | 82 | 88 | 79 |
| **Method II** | 81 | 92 | 77 | 83 | 81 |
| **Method III** | 79 | 83 | 71 | 78 | 80 |

Calculate the F-ratio, using ANOVA at 15% level of significance. Establish is there any significant difference between the sales made in the different states.

6. What should be the ideal structure of a research report? Explain with the elements of the structure.

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