Summary

- In this module we have tried to solve the problems related to the distribution having probabilities and checking whether the given distribution is a probability distribution or not/
- Also we have solved the problems on finding the expectation and variance of the distribution. We have also computed quartiles and quartile deviation of the given frequency distribution
- To check the nature of the distribution, we have computed skewness and kurtosis of the given frequency distribution.
- For finding skewness, we have used Karl Pearson's measure of skewness which is based on mean, media/mode and standard deviation of the distribution, Bowley's coefficient of skewness which is based on median and quartiles of the distribution, and skewness based on moments.
- We have also computed β_2, which are based on moments of the distribution to check whether the distribution has leptokurtic, or mesokurtic or platikurtic curve.