

1. A die is thrown 9000 times and a throw of 3 or 4 is observed 3240 times. Show that the die cannot be regarded as an unbiased one and find the limits between which the probability of a throw of 3 or 4 lies.
2. A random sample of 500 apple was taken from a large consignment and 60 were found to be bad, Obtain the 98% confidence limit for the percentage of bad apple on the consignment.
3. Mention the unbiased estimation of Population mean and Variance.
4. A normal population has a mean of 0.1 and standard deviation of 2.1. Find the probability that mean of the sample of size 900 will be negative

