UNIT 16: **Comparison of frequency distributions with fitted probability distributions**

Specific Objectives:

1.   To use Statistical models (like Poisson, binomial and normal) to approximate observed distributions.

2.   To compare frequency distributions with fitted probability distributions.

Detailed Content	Time Ratio	Notes on Teaching
16.1 Ideas of goodness-of-fit of an assumed probability distribution to a set of observed data	4	Descriptive treatment for goodness-of-fit is essential. Statistical test on the goodness-of-fit is not expected.
16.2 Comparison with fitted distribution	6	Comparisons with Poisson, binomial and normal cases are expected. Using empirical data to fit in with the statistical models is illustrative. Students may be led to make prediction and to draw conclusion according to the fitted distribution.
	10	
	Total 180	

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