

Innovative Teaching Methods in Business Statistics

Innovative Teaching Method	
Faculty Name	Dr. Varimna Singh
Subject Name	Business Statistics
Semester	1
Name of Innovative Teaching Method	Case Study, Group Assignments, Statistical Tools, Flip Class
Description	<ul style="list-style-type: none"> • Students are exposed to various sources of data. Students in groups are provided with raw data sets from various secondary sources and then they are involved in the process of data visualisation. • Students are encouraged to identify variables and develop hypothesis for data sets provided to them. • They are encouraged to identify appropriate statistical test to validate the hypothesis framed by them. • Students are provided with additional sum for practice. • Data visualization and Analysis with the help of Excel and SPSS.
Objectives	<p>Enhance student engagement and interest: Make the subject more exciting and relevant to students' career goals.</p> <p>Improve learning outcomes: Help students understand and apply statistical concepts more effectively.</p> <p>Develop practical skills: Equip students with the ability to use statistical tools to solve real-world business problems.</p> <p>Foster critical thinking and problem-solving: Encourage students to analyze data, draw conclusions, and make informed decisions.</p>
Topics Taught Through Innovative Methods	Presentation on the Following topics has been given
	<p>Fundamental Concepts:</p> <p style="padding-left: 40px;">Descriptive Statistics Probability Theory Sampling and Estimation Hypothesis Testing</p>
	Statistical Analysis Techniques:

	<p>Parametric Test: T-test, Z- test, Paired T-test, ANOVA: One-way ANOVA</p> <p>Nonparametric Tests: Chi-square test, Mann-Whitney U test, Kruskal-Wallis test</p>
	<p>Multivariate analysis: Overview of Multiple Regression, Factor Analysis, Multidimensional scaling, Discriminant analysis. (Theoretical concepts only)</p>
CO	CO1, CO2, CO3 and CO4
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