



INSTITUTE OF DISTANCE EDUCATION
JIWAJI UNIVERSITY
Gwalior, MP

RTM 101

STATISTICAL METHODS FOR RURAL MANAGEMENT



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Syllabus

Statistical Methods for Rural Management

UNIT 1	<ul style="list-style-type: none">● Data Analysis and Measures of Central Tendency: Meaning, nature, scope and limitations of statistics collection of statistical data, classification, tabulation and diagrammatic representation of data, Measures of central tendency : Statistical averages Mean, Median, Mode.
UNIT 2	<ul style="list-style-type: none">● Measures of Dispersion: Mean Deviation, Standard Deviation, Skew ness. Correlation & Regression Analysis: Definition and importance, Types of correlation, Methods of determining Correlation, Calculation of coefficient of correlation, Carl Pearson's coefficient of correlation. Probable error, Rank correlation, simple, partial & multiple correlations. Regression Analysis: Lines of regression, method at least square, ratio of variation.
UNIT 3	<ul style="list-style-type: none">● Index Number: Definition and characteristics, Problems in the construction of Index number, Consumer price index number, family budget method Fisher's ideal index number. Theory of sampling: Methods of sampling, sampling distributions, statistical inference, standard error- testing of hypothesis, test of significance, "t" test, "F" test,
UNIT 4	<ul style="list-style-type: none">● Indian Statistics: Statistical organization in India, central statistical organization, National sample survey organization, Population statistics, National income statistics, Agriculture statistics, Trade statistics, Industrial statistics, Labor statistics Price statistics.

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Statistical Methods for Rural Management

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	2.2	Correlation & Regression Analysis: Definition and Importance
	2.3	Types of Correlation and Methods of Determining Correlation
	2.4	Calculation of Coefficient of Correlation
	2.5	Carl Pearson's Coefficient of Correlation
	2.6	Lines of Regression and Method at Least Square
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	3.3	Consumer Price Index Number
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