

Semester Lecture Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim Goa							
Name of Faculty: Mr. Vishal R. Gaonkar			Subject: Geography				
Paper code: GEC108 – Quantitative Techniques in Geography - I			Program/Course: TYBA (Honors)			Division: A	
Academic year: 2024- 2025			Semester: V			Total Lectures: 45	
Course Objectives: To introduce students with some basic statistical techniques, relevant to geographical research as the Project/Dissertation is compulsory at UG/PG level.							
Expected Course Outcomes: To understand the various statistical methods and apply the same in the field of Geography.							
Student Learning Outcome: Students will familiarize themselves with the application of various Statistical methods and approaches in real world especially in project and research work.							
Month	From:	Lectures To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/Assignment	ICT Tools	Reference books
June	28/06/2024	29/06/2024	01	Geographical Database: Introduction to Statistics	Data Collection	Overhead Projector	Statistics- V.K. Kapoor
July	1/07/2024	06/07/2024	03	Importance of Statistics in Geography	Data Collection	Overhead Projector	Statistics- V.K. Kapoor
				Geographical Research and Statistical Techniques			

July	08/07/2024	13/07/2024	03	scales in statistical geography	Exercises on Scales	Overhead Projector	Statistics- V.K. Kapoor
July	15/07/2024	20/07/2024	03	Nominal, ordinal, interval and ratio scale/ measurements	Exercises on Scales	Overhead Projector	Statistics- V.K. Kapoor
July	22/07/2024	27/07/2024	03	Descriptive Statistics-I Classification, Tabulation and types	Preparation of Tables.	Overhead Projector	Statistics- V.K. Kapoor
July & August	29/07/2024	3/08/2024	03	Tabulation, (format) and types of table Frequency Distribution	Tally Marking, Histogram, Frequency Polygon	Overhead Projector	Statistics- V.K. Kapoor
August	5/08/2024	10/08/2024	03	Measures of central tendency Arithmetic & Geometric Mean,	Calculation of Mean.	Overhead Projector	Statistics- V.K. Kapoor
August	12/08/2024	17/08/2024	03	Median, Mode, Partition Values	Calculation of Median and Mode	Overhead Projector	Statistics- V.K. Kapoor
August	19/08/2024	24/08/2024	02	Quartiles and Decile	Exercises on Decile and Percentiles	Overhead Projector	Statistics- V.K. Kapoor

August	26/08/2024	31/08/2024	03	Percentiles	Calculate the Percentiles and Combined mean.	Overhead Projector	Statistics- V.K. Kapoor
				Combined Mean			
September	2/09/2024	5/09/2024	01	Descriptive statistics – II	Measures of Dispersion.	Overhead Projector	Statistics- V.K. Kapoor
				Measures of Dispersion			
September	13/09/2024	14/09/2024	02	Absolute measures of dispersion and skewness	To measure the absolute measures of dispersion and skewness	Overhead Projector	Statistics- V.K. Kapoor
September	16/09/2024	21/09/2024	03	Range, Quartile Deviation,	Calculate the range and Quartile deviation.	Overhead Projector	Statistics- V.K. Kapoor
September	23/09/2024	28/09/2024	03	Mean Deviation	Calculate the Mean deviation and Variance.	Overhead Projector	Statistics- V.K. Kapoor
				Variance			
September & October	30/09/2024	05/10/2024	03	Standard Deviation	calculate the Standard deviation and Coefficient of variation (C.V.),	Overhead Projector	Statistics- V.K. Kapoor
October	07/10/2024	12/10/2024	03	Coefficient of variation (C.V.),	calculate the Coefficient of variation (C.V.),	Overhead Projector	Statistics- V.K. Kapoor
October	14/10/2024	19/10/2024	03	Lorenz curve and Revision	Construction of Lorenz Curve.	Overhead Projector	Statistics- V.K. Kapoor