

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce. Sanquelim - Goa							
Name of Faculty: Ms. Sampada Desai				Subject: Economics			
Paper code: ECO141 Data Analysis I				Program: FYBA		Division: A	
Academic year: 2026-2027				Semester: I		Total Lectures: 15	
Course Objectives: 1. Learn the tools for analyzing data 15 Understand the use of spreadsheets							
Course Outcome: 1. Summarize and explore data in spreadsheets 2. Measures of association in spreadsheets							
Student Learning Outcome: 1. Students will be able to summarize and explore data in spreadsheets. 2. Students will be able to measure of association in spreadsheets							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignm ent	ICT Tools	Reference books
JULY	01/07/2026	04/07/2026	2	Introduction to LibreOffice Calc/Gretl: Spreadsheet interface, creating, saving and opening worksheets	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	06/07/2026	11/07/2026	2	Understanding Probability and Random variables	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	13/07/2026	18/07/2026	2	Preparing Frequency Distribution Tables (Individual,	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition,

				Discrete and Continuous Data)			Himalaya Publishing House Pvt. Ltd, Mumbai
	20/07/2026	25/07/2026	2	Data Representation using Bar Charts, Pie Charts and Line Graphs with Interpretation	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	27/07/2026	31/07/2026	2	statistical significance	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
AUGUST	01/08/2026	01/08/2026	2	Classification of data	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	03/08/2026	08/08/2026	2	Data representation: Commonly used Tables and Graphs	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	10/08/2026	15/08/2026	2	Measures of Dispersion:	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	17/08/2026	22/08/2026	2	Mean Deviation, Variance and Standard Deviation.	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of

							Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	24/08/2026	29/08/202 6	2	Range, Inter Quartile Range	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundament als of Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
SEPTEMBER	01/09/2026	05/09/202 6	2	Semi Quartile Range,	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundament als of Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	07/09/2026	12/09/202 6	2	Mean Deviation, Variance and Standard Deviation.	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundament als of Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	21/09/2026	26/09/202 6	2	Measures of Symmetry: Skewness and Kurtosis.),	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundament als of Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	28/09/2026	30/09/202 6	2	Practice	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundament als of Statistics, 7 th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai

OCTOBER	01/10/2026	03/10/2026	2	Measures of Symmetry: Skewness and Kurtosis.	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	05/10/2026	10/10/2026		Measures of Symmetry: Skewness and Kurtosis.	.	PowerPoint presentation/ Smart board	Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	12/10/2026	17/10/2026		Revisiom			Gupta S.C. (2016): Fundamentals of Statistics, 7th Edition, Himalaya Publishing House Pvt. Ltd, Mumbai
	Component	Max Marks					
Assessment Rubrics	ISA 1	5					
	ISA 2	5					
	Project						
	Semester End Exam	40					