

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**Course Schedule: November 2024 – April 2025**

Department : ECONOMICS
Name/s of the faculty : J KAVIYA NIJARITHA
Course Title : DATA ANALYTICS USING 'R'
Course Code : 19EC/MC/RS61
Shift I

Week & No. of hours	Units & Topics	Teaching Methodology	Text & References	Method of Evaluation
Nov 18 – 25, 2024 (Day Order 1-6)	Unit 1 Introduction	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Nov 26- Dec 3, 2024 (Day Order 1 to 6)	1.2 R Studio - Interface, Syntax	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Dec 4-11, 2024 (Day Order 1 to 6)	1.3 Reading Data into R	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Dec 12-19, 2024 (Day Order 1 to 6)	1.4 Cleaning the data	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Dec 20, 2024 (Day Order 1)	1.5 Manipulating the structure of the data	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Jan 3 – 7, 2025 (Day Order 3 to 6)	1.6 Filtering based on a factor	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Jan 8 – 17, 2024 (Day Order 1 to 6)	1.7 Functions in R	Lecture and Lab presentation.	Teetor, Paul; R Cookbook,	CA I, QUIZ, PRESENTATION
Jan 18 - 23, 2025	C.A. Test – I			

Jan 24 - 30, 2025 (Day Order 1 to 6)	1.8 Conditional Statements	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Feb 3-8, 2025 (Day Order 1 to 6)	1.9 Looping and Debugging	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Feb 10– 18, 2025 (Day Order 1 to 4)	1.9 Looping and Debugging	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Feb 19- 26, 2025 (Day Order 1-6)	Unit 2 Analysis 2.1 Descriptive Statistics 2.2 Data Visualization	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Feb 27- Mar 6, 2025 (Day Order 1 to 6)	2.2 Data Visualization 2.3 Cross Tabulation	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Mar 7 – 11, 2025 (Day Order 1 to 3)	2.2 Data Visualization 2.3 Cross Tabulation	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Mar 12 –17, 2025	C.A. Test – II			
Mar 18 – 20, 2025 (Day 4 to 6)	2.4 ANOVA 2.5 Correlation	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Mar 21 - 28, 2025 (Day Order 1 to 6)	2.5 Correlation 2.6 Regression	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA I, QUIZ, PRESENTATION
Mar 29- April 3, 2025 (Day Order 1 to 3)	2.6 Regression 2.7 Inference	Lecture and Lab presentation. Illustration with real data	Teetor, Paul; R Cookbook, O'Reilly Media Inc., California, 2011	CA II, QUIZ, PRESENTATION
		REVISION		