

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI

Course Schedule: June - November 2024

Department	: Economics
Name/s of the Faculty	: Dr. J. Regi Manimagala /Ms. Rekha M
Course Title	: Data Analytics and Economic Analysis
Course Code	: 19EC/MC/DA53
Shift	: I

Week & No. of hours	Units & Topics	Teaching Methodology	Text & References	Method of Evaluation
Jun 19 – 26, 2024 (Day Order 1 - 6)	Unit 1 Introduction to data analytics 1.1 Importance of data analytics in economics research	Lecture and Discussion	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA I
Jun 27 – July 4, 2024 (Day Order 1 - 6)	Unit 2 Descriptive Statistics 2.1 Grouping data: Frequency distributions 2.2 Summary statistics – Mean, median, mode, standard deviation, variance, Skewness 2.3 Diagrammatic presentation of data.	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA I & Problem quiz
July 5 – 12, 2024 (Day Order 1 - 6)	2.2 Summary statistics – Mean, median, mode, standard deviation, variance, Skewness 2.3 Diagrammatic presentation of data.	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014. SPSS Manual	CA I & Project work
July 15 – 23, 2024 (Day Order 1 - 6)	Unit 3 Correlation and Regression analysis 3.1 Estimating correlation and regression coefficient	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA I & Project work
July 24 – 31, 2024 (Day Order 1 - 6)	Unit 3 Correlation and Regression analysis 3.1 Estimating correlation and regression coefficient	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA I & Project work

Aug 1 – 5, 2024 (Day Order 1 - 3)	3.2 Testing the significance of correlation and regression coefficients: Test of significance and confidence interval approach	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA I & Project work
Aug 6 – 10, 2024	C.A. Test – I			
Aug 12 – 14, 2024 (Day Order 4-6)	3.3 Estimating non-linear regression models: Double-log, Semi-log, Reciprocal	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment
Aug 16 – 23, 2024 (Day Order 1-6)	3.4 Simple regression models using dummy variables	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment
Aug 27 – Sep 3, 2024 (Day Order 1-6)	Unit 4 Inferential Statistics: 4.1 Introduction to hypothesis-testing 4.2 Large sample tests	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment
Sep 4 – 11, 2024 (Day Order 1-6)	4.2 Large sample tests	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment

Sep 12 - 20, 2024 (Day Order 1- 6)	4.3 Small sample tests	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment
Sep 23 - 26, 2024 (Day Order 1-4)	4.3 Small sample tests	Economic real data analysis using Excel	Damodar Gujarati, <i>Econometrics by Example</i> , 2 nd edition, Palgrave Macmillan, London 2014	CA II & Problem Assignment
Sep 27 – Oct 3, 2024	C.A. Test – II			
Oct 4 – 5, 2024 (Day 5 & 6)	Unit 5 Presentation of research report 5.1 Research report: Meaning, types	Lecture / Discussion, and case studies	Kothari, C.R. <i>Research Methodology</i> . New Delhi: Wiley Eastern Ltd. 1991.	Project
Oct 7 - 15, 2024 (Day Order 1 to 6)	5.2 Contents of a research report	Presentation of a technical report based on the analysis of an Economic real data	Kothari, C.R. <i>Research Methodology</i> . New Delhi: Wiley Eastern Ltd. 1991.	Project

<p>Oct 16 - 22, 2024 (Day Order 1 to 6)</p>	<p>5.3 Presentation of a report</p>	<p>Presentation of a technical report based on the analysis of an Economic real data</p>	<p>Kothari, C.R. <i>Research Methodology</i>. New Delhi: Wiley Eastern Ltd. 1991.</p>	<p>Project</p>
<p>Oct 23 - 24, 2024 (Day Order 1 to 2)</p>	<p>REVISION</p>			