

**HONOURS CERTIFICATE PROGRAMME PROPOSAL
AY 2023-2024**

General Information of the Activity		
1.	Department and Hub	Statistics- Lingua
2.	Title of the Activity	A Course in STATA
3.	Name of the Professor taking the course	Piyali Unnikrishnan
4.	Name/s of the Resource person/s	Harneet Singh Research Consultant, World Bank
5.	Name of the Dept Coordinator and Email address	Piyali Unnikrishnan piyali.unnikrishnan@xaviers.edu
6.	Name of the Hub Coordinator and Email address	Suvaiba Pirani suvaiba.pirani@xaviers.edu
7	Number of credits for the activity and number of hours	1 credits 15 hours
8	Fees	Rs 800
9	Eligibility	TYBA (Statistics/Economics)
10	Number of students	20
11	Duration and Time	6 sessions in the odd semester Activity has already commenced.

Details of the Activity	
1	Title: A Course in STATA
2	Learning Objectives: To introduce students to data analysis techniques using STATA.
3	Learning Outcomes: Students will learn coding techniques , good coding ethics and would be able complete Data analysis more effectively and faster.
4	Description- Session 1 – Operation of Stata. Importing, Saving, Loading, Merging and Appending datasets. Session 2 – Data Cleaning (dealing with missing values, NA values, data structures, outliers, winsorisation, top-coding, labelling variables and values, if-else conditions) Session 3 – Descriptive Statistics (generate descriptive tables in CSV and LaTeX, make twoway charts, line graphs, bar-graphs) Session 4 – For-loops (for values and for variables). Data cleaning and descriptive stats examples with for-loops Session 5 – Regressions (interpreting regression results, exporting results in Excel and LaTeX) Session 6 – Coding practices, running multiple do-files, maintaining libraries (and leftover from previous sessions)
5	Modules if any-None
	General Information of the Activity