



SHRI GURU SCHOOL OF MANAGEMENT RESEARCH & ANALYTICS

5 Days Online FDP on STATA for Finance and Economics Research.

(Conducted by an expert with A* publication)

Why STATA is Required in Research???

OBJECTIVE

This module is designed to equip participants with foundational to intermediate-level skills in using STATA for data analysis. Through hands-on demonstrations and real-world examples, participants will learn how to import, clean, explore, and analyze data using one of the most widely used statistical software tools in economics, finance, accounting, health sciences, and social sciences.

MODULE 1: GETTING STARTED WITH STATA

Objective: Understand the basics of the STATA interface and how to efficiently import and prepare datasets.

Topics Covered:

- Overview of STATA: Interface, functionalities, and use cases
- Data Importing:
 - Importing data from Excel, R, CSV, and text files
 - Best practices for importing data correctly
- Understanding Variable Types:
 - Converting string variables to numeric formats
 - Identifying and resolving common import issues

Hands-On Activity: Import a sample dataset from Excel and perform basic data formatting.



TECHNICAL TRAINING MODULE: INTRODUCTION TO STATA SOFTWARE

MODULE 2: EXPLORING AND UNDERSTANDING YOUR DATA

Objective: Learn how to examine your dataset using descriptive statistics and prepare for deeper analysis.

Topics Covered:

- Exploring Data:
Using summarize, describe, and tabulate commands
- Statistical Measures:
Mean, Median, Mode Skewness and Kurtosis:
Interpreting distribution shapes
- Data Validation:
Counting observations with missing and non-missing values
- Data Management:
Merging datasets: One-to-one and many- to-one merges in STATA

Hands-On Activity: Use descriptive statistics to explore trends and check data quality in a real dataset.

MODULE 3: DATA CLEANING TECHNIQUES

Objective: Understand the importance of clean data and learn techniques to prepare datasets for accurate analysis.

Topics Covered:

- Why Data Cleaning Matters: Impact on analysis and conclusions
- Identifying Issues with Data:
Outliers, missing values, and inconsistent formats
- Cleaning Techniques:
Dealing with missing values
Removing or correcting outliers
Trimming vs. Winsorization: When and why to use each

Hands-On Activity: Perform cleaning operations on a noisy dataset and compare the results.



TECHNICAL TRAINING MODULE: INTRODUCTION TO STATA SOFTWARE

MODULE 4: INTRODUCTION TO REGRESSION ANALYSIS IN STATA

Objective: Learn how to perform and interpret regression analysis using STATA.

Topics Covered:

- Introduction to Regression:
When and why regression is used
Types of regression models
- Performing Regression in STATA:
Running simple and multiple linear regressions
Interpreting coefficients, R-squared, and p-values
- STATA Commands for Regression:
reg, logit, and other relevant commands
- Interpreting Output:
Understanding standard errors, confidence intervals, and model fit

Hands-On Activity: Run a multiple regression on a cleaned dataset and interpret the output.

MODULE 5: DIFFERENCE-IN-DIFFERENCES (DID) METHOD USING STATA

Objective: Gain practical experience in using STATA to conduct policy analysis with DiD methodology.

Topics Covered:

- What is Difference-in-Differences?
Use cases in economics and public policy
Assumptions and setup
- Performing DiD in STATA:
Coding treatment and time variables
Running DiD models using interaction terms
- Validating the Parallel Trends Assumption
Visual and statistical checks in STATA
- Exporting Results:
Using outreg2, estout, and other tools to export results to Excel/Word.

Hands-On Activity: Conduct a DiD analysis using a case dataset and export regression results to Word.



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Dr. Ranjeet Singh

is an Assistant Professor at IIPM. He holds a Ph.D. in Finance and Accounting from the Indian Institute of Management Raipur. His research interests lie in creditor rights, corporate governance, accounting policies, sustainability, and financial behaviour in emerging markets. He has published in leading academic journals, including *Journal of Business Finance and Accounting*, *Applied Economics*, *Finance Research Letters*, *Journal of Regulatory Economics*, and the *Pacific-Basin Finance Journal*.

He also has work under revision and in progress, addressing topics such as unsecured debt, accounting conservatism, and firm productivity.

Ranjeet has actively participated in several prestigious academic conferences and presented his research at institutions such as IIM Ahmedabad, ISB Hyderabad, IIM Bangalore, and Deakin Business School, among others. His contributions to the field have been recognised through awards such as the UGC Junior Research Fellowship, the Best Paper Award at the SEBI-NISM Research Conference, and the 2nd Best Researcher Award at GNLU's International Conference on Economic Analysis of Law and Policy.

TECHNICAL TRAINING MODULE: INTRODUCTION TO STATA SOFTWARE



10th - 19th June 2026

Workshop is on every alternative days Except Saturday & Sunday

Registration Link

7:00 pm – 8:30 pm

UPI Payment Scanner



**Workshop Recordings will be
available for 1 month**



Contact for more details

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Registration Fee

Rs.2,000/-