2025 SOUTHEAST ASIAN STATA CONFERENCE

Case Studies on Institutions Using Stata

Introduction

Statistical tools like Stata are vital in driving research and policy.

Institutions across economics, academia, and healthcare are leveraging Stata.

This presentation highlights use cases from RBI, DSE, AIIMS, and ICMR.

Overview of Institutions Using Stata

RBI – Macroeconomic forecasting, monetary policy analysis

DSE – Academic research, econometrics education

AIIMS – Clinical trials, survival analysis

ICMR – Public health evaluation, epidemiological modeling

Stata @ Reserve Bank of India (RBI)

Departments using Stata:

- MPD: Time-series models (VAR, ARIMA), inflation

forecasts.

- DEPR: GMM models, macro and microeconomic research.

- FED: Financial inclusion analysis using survey data.

- Example: Policy simulation using VAR and impulse response functions.

Stata @ Delhi School of Economics (DSE)

Used for teaching econometrics and policy research

Tools used: xtreg, logit, teffects, svyset

Example areas:

- Labor and development economics

- Household survey data analysis

- Policy impact evaluations (DID, PSM)

Stata @ AIIMS – Clinical Research

Departments using Stata:

- Biostatistics Unit

- Cardiology, Oncology, Community Medicine

Applications:

- Survival analysis (stcox, stcurve)

- Logistic regression for case-control studies

- Clinical trial and cohort analysis

Example: COVID-19 comorbidity impact studies

Stata @ ICMR – Public Health Research

Institutes using Stata:

- RMRC Bhubaneswar, NIRRH Mumbai, NIMS

Applications:

- Epidemiological modeling, intervention evaluation

- Survey data analysis (NFHS, DLHS)

- Multilevel models, Poisson, svyset

• Example: Nutrition and reproductive health studies

Comparison: Use of Stata Across Institutions

RBI – Forecasting, macro modeling (var, gmm)

DSE – Panel data, evaluation models (xtreg, teffects)

AIIMS – Clinical trials, survival analysis (stcox, glm)

ICMR – Epidemiology, public health (svyset, melogit)

Conclusion

Stata enables rigorous, reproducible analysis across domains.

From macroeconomics to medicine, its versatility is unmatched.

Institutions like RBI, DSE, AIIMS, and ICMR showcase real-world impact.

Cross-sector training and collaboration will further amplify Stata's utility.

Thank You

We welcome your questions, feedback, and experiences.

Let's discuss how Stata can further enhance research and decision-making in your field.