



SCHOOL OF GRADUATE STUDIES
POST GRADUATE PROGRAMMES RESEARCH SEMINARS
SCHEDULE

1. Basic Data Analysis: 11/03/2023 (Facilitator: Dr. Charles Githira)
8.00 – 11.00AM

- Data Preparation: i) Coding of Questionnaires, ii) Preparation of raw secondary data into analyzable database.
- Data analysis using computer software (e.g. Excel, SPSS, Stata, etc.): i) Descriptive statistics, ii) Multiple regression analysis, iii) Hypothesis testing
- Diagnostic tests
- Comprehensive Illustrations
- Interpretation of the output

2.00- 5.00PM

- Target Population and Sample Size
- Data collection: i) Primary Data, ii) Secondary Data

2. Time Series Data Analysis: 18/03/2023 (Facilitator: Dr. Christine Nanjala)
8:30- 10.30AM

- Time series data
- Diagnostic tests
- Univariate time series models
- Multivariate Time Series Models

2.00- 5.00PM

- Areas of applications on time series data analysis
- Comprehensive illustrations
- Interpretation of the output

3. Panel Data Analysis: 25/03/2023 (Facilitator: Dr. Charles Githira)

8.00 – 11.00AM

- Panel Data Sets
- Diagnostic tests
- Panel Data analysis Models: i) Pooled (Constant Effect) Model, ii) Fixed Effects Model (FEM), iii) Random Effects Model (REM), iv) Random Parameters /Coefficients Model

2.00- 5.00PM

- Areas of applications on Panel data analysis
- Balanced and Unbalanced Panels
- Comprehensive illustrations
- Interpretation of the output