

Course Content

An Overview of Research Methodology
An Overview of Research Methodology
Literature Review
Writing Research Proposal
Preparation of Questionnaire, Measurement scale
Sampling Design & Data Collection
Assigning Research Topic to the participants
Qualitative method in data collection and analysis
Quantitative method in data collection and analysis
Introduction to statistical Concepts: Descriptive
Introduction to statistical Concepts: Inferential
Discussion of the Research Steps using a Recently Published Article
Introduction to Excel: Menus, Creating Data file, Data cleaning, Detecting outlier, Computing data, Recoding Data
Excel: Merging data file, and Creating charts: line chart, pie chart, bar chart, scatter diagram etc.
Excel: Central Tendency, Dispersion and pivot table
Excel: Hypothesis testing & Regression analysis
Introduction to SPSS: Menus; Creating New datasets, Load Data, Merging Data, computing & recoding
Tabulating and Graphics Using SPSS: Tabulating Survey Data, Basic Graphs, Quantitative and Qualitative Graphs
SPSS: Measure of Central Tendency, Dispersion, Cross table & Correlation
Statistical Inference Using SPSS: Hypothesis Testing, ANOVA analysis
SPSS: Simple and multiple Regression Analysis, post estimation, interpretation of result
Writing Research Report
Writing Research Report
Use of MS Word software in report writing: section Break, Table of content, Footnote, Referencing
Discussion about research output and writing report
Discussion about research output and writing report
Introduction to Stata: Import, Load and Save Datasets, Creating New datasets, Log file & Do file
Stata: Data Cleaning, Descriptive statistics-Tabular and Graphical Analysis
Stata: Correlation, Hypothesis Testing
Stata: Simple and Multiple Linear Regression Analysis, Post Estimation
Presentation and Evaluation Group Research Work