



OUTLINE OF COURSE TOPICS

STATISTICS WITH SPSS: MANAGING YOUR DATA

Understanding project variables
Data coding and data dictionaries
Importing data to SPSS from Excel
Data manipulation in SPSS
Data checking and editing in SPSS
Descriptive statistics
Tabulating and graphing of data
Data management and archiving

STATISTICS WITH SPSS: AN INTRODUCTION TO DATA ANALYSIS

Sampling and study design
Describing associations and measures of risk
Hypothesis testing, statistical significance and confidence intervals
Statistical tests for two groups
Statistical tests for more than two groups
Non-parametric tests

STATISTICS WITH SPSS: LINEAR AND LOGISTIC REGRESSION

Introduction to simple regression
Coding and categorical variables (dummy variables)
Model checking and residual analysis
Introduction to logistic regression
Model checking and the Hosmer-Lemeshow test
Model building and variable selection