Analysing Survey Data Made Simple (ASDMS)

Chapter 1

Introduction to Data Analysis

What is Data Analysis?
Why Analyse Data?
Steps Involved in Data Analysis
Types of Data
Types of Quantitative and Qualitative Variables.
Analytical Techniques

Chapter 2

Analytical Techniques

Univariate (one-variable) and Bivariate (two-variable) techniques
Frequency Distributions
- Tables
- Graphs

Scatter Plots
Population Distributions
- Normal Distribution
- Skewness

Measures of Location
- Mean
- Median
- Mode
- Quantiles
  - Quartiles
  - Deciles

Measures of Variation
- Range
- Inter-quartile Range
- Standard Deviation
- Variance
- Coefficient of variation
- Covariance
- Correlation