

NOTEBOOK

STATISTICS

C.B. Nguyen

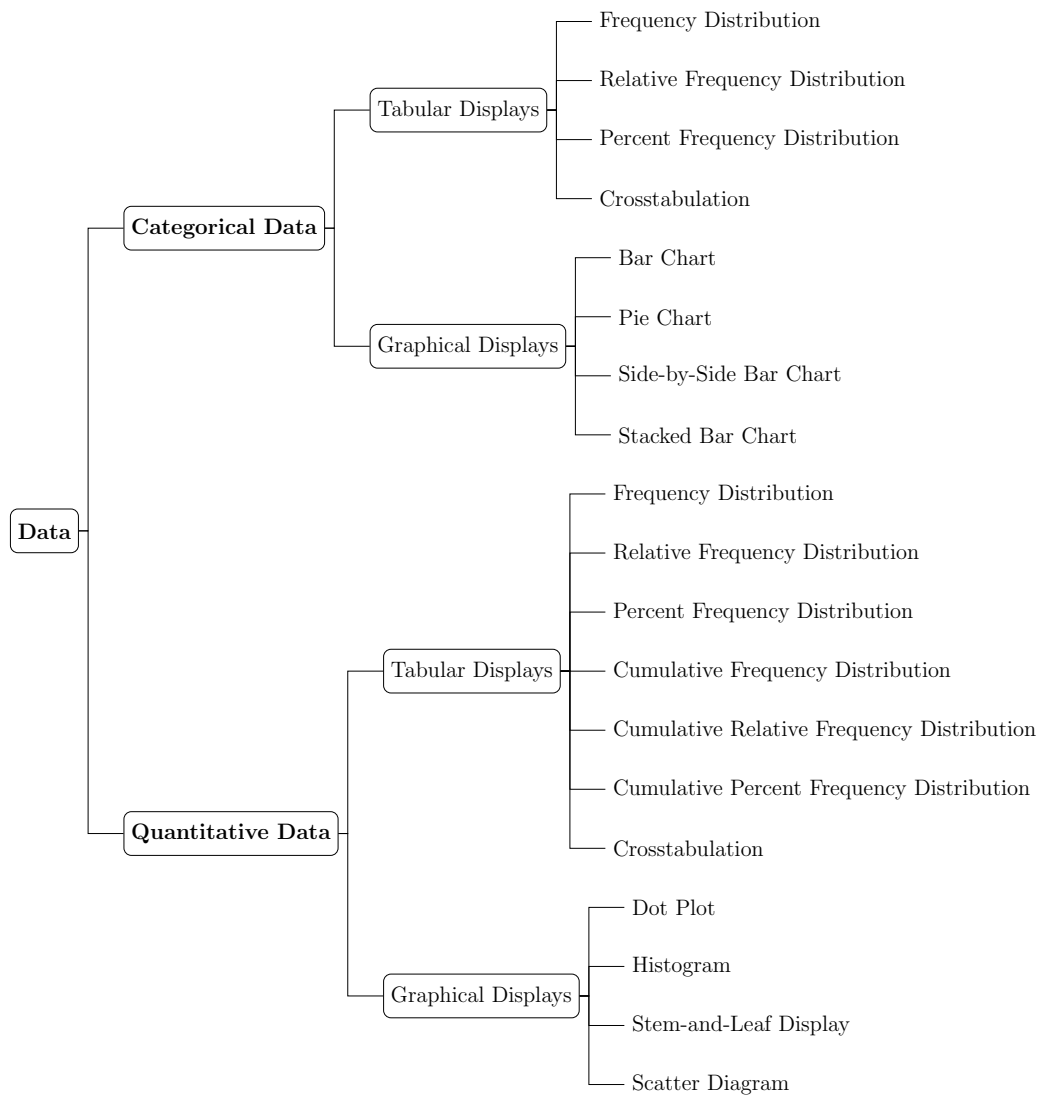
June 12, 2025

Contents

| | |
|---|----|
| Content | 1 |
| 1 Descriptive Statistics: Tabular and Graphical Displays | 2 |
| 2 Descriptive Statistics: Numerical Measures | 3 |
| 3 Introduction to Probability | 4 |
| 4 Discrete Probability Distributions | 5 |
| 5 Continuous Probability Distributions | 6 |
| 6 Sampling and Sampling Distributions | 7 |
| 7 Interval Estimation | 8 |
| 8 Hypothesis Tests | 9 |
| 9 Inference About Means and Proportions with Two Populations | 10 |
| 10 Inferences About Population Variances | 11 |
| 11 Comparing Multiple Proportions, Test of Independence and Goodness of Fit | 12 |
| 12 Experimental Design and Analysis of Variance | 13 |
| 13 Simple Linear Regression | 14 |
| 14 Multiple Regression | 15 |
| 15 Regression Analysis: Model Building | 16 |
| 16 Time Series Analysis and Forecasting | 17 |
| 17 Nonparametric Methods | 18 |
| 18 Statistical Methods for Quality Control | 19 |

Chapter 1

Descriptive Statistics: Tabular and Graphical Displays



Chapter 2

Descriptive Statistics: Numerical Measures

Chapter 3

Introduction to Probability

Chapter 4

Discrete Probability Distributions

Chapter 5

Continuous Probability Distributions

Chapter 6

Sampling and Sampling Distributions

Chapter 7

Interval Estimation

Chapter 8

Hypothesis Tests

Chapter 9

Inference About Means and Proportions with Two Populations

Chapter 10

Inferences About Population Variances

Chapter 11

Comparing Multiple Proportions, Test of Independence and Goodness of Fit

Chapter 12

Experimental Design and Analysis of Variance

Chapter 13

Simple Linear Regression

Chapter 14

Multiple Regression

Chapter 15

Regression Analysis: Model Building

Chapter 16

Time Series Analysis and Forecasting

Chapter 17

Nonparametric Methods

Chapter 18

Statistical Methods for Quality Control