

Chapter 10 – Parameters of Distributions: Single & 2

Introduction: Chi-Square, Z-Test, T-Test, F-Test

Chapter 10 introduces the concepts of hypothesis testing, which are used to determine if there is a significant difference between two groups. The chapter covers the following topics: the null hypothesis, the alternative hypothesis, the test statistic, the p-value, and the significance level. The chapter also covers the following tests: the chi-square test, the z-test, the t-test, and the f-test. The chapter concludes with a discussion of the power of a test and the relationship between the power of a test and the sample size.

Learning Objectives: Chapter 10 and 11

1. Understand the concept of hypothesis testing.
2. Understand the concept of the null hypothesis and the alternative hypothesis.
3. Understand the concept of the test statistic and the p-value.

Part 10

Introduction

1. Chapter 10 introduces the concept of hypothesis testing. The chapter covers the following topics: the null hypothesis, the alternative hypothesis, the test statistic, the p-value, and the significance level.
2. Chapter 11 introduces the concept of the chi-square test. The chapter covers the following topics: the chi-square test statistic, the chi-square distribution, and the chi-square test.
3. Chapter 12 introduces the concept of the z-test. The chapter covers the following topics: the z-test statistic, the standard normal distribution, and the z-test.
4. Chapter 13 introduces the concept of the t-test. The chapter covers the following topics: the t-test statistic, the t-distribution, and the t-test.
5. Chapter 14 introduces the concept of the f-test. The chapter covers the following topics: the f-test statistic, the F-distribution, and the f-test.
6. Chapter 15 introduces the concept of the power of a test. The chapter covers the following topics: the power of a test, the relationship between the power of a test and the sample size, and the power of a test.
7. Chapter 16 introduces the concept of the relationship between the power of a test and the sample size. The chapter covers the following topics: the power of a test, the relationship between the power of a test and the sample size, and the power of a test.
8. Chapter 17 introduces the concept of the relationship between the power of a test and the sample size. The chapter covers the following topics: the power of a test, the relationship between the power of a test and the sample size, and the power of a test.

Expected Probability

| | |
|-----|-----|
| 10% | 20% |
| 10% | 20% |

| | Expected Probability | Null | Alternative Probability |
|-----------|----------------------|------|-------------------------|
| 10% & 20% | 10% | 10% | 10% |
| 10% & 20% | 10% | 10% | 10% |
| 10% & 20% | 10% | 10% | 10% |

Mendelian Genetics Coin Toss Lab Answer Key

Hussin A.Rothana



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