



Design and Analysis of Experiments, 10ed, An Indian Adaptation

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Description

Design and Analysis of Experiments provides a rigorous introduction to product and process design improvement through quality and performance optimization. Clear demonstration of widely practiced techniques and procedures allows readers to master fundamental concepts, develop design and analysis skills, and use experimental models and results in real-world applications. Detailed coverage of factorial and fractional factorial design, response surface techniques, regression analysis, biochemistry and biotechnology, single factor experiments, and other critical topics offer highly-relevant guidance through the complexities of the field.

Stressing the importance of both conceptual knowledge and practical skills, this text adopts a balanced approach to theory and application. Extensive discussion of modern software tools integrate data from real-world studies, while examples illustrate the efficacy of designed experiments across industry lines, from service and transactional organizations to heavy industry and biotechnology. Broad in scope yet deep in detail, this text is both an essential student resource and an invaluable reference for professionals in engineering, science, manufacturing, statistics, and business management.

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Table of Contents

1 Introduction

1.1 Strategy of Experimentation

1.2 A Brief History of Statistical Design

1.3 Some Applications of Experimental Design

1.4 Basic Principles of Experimentation

1.5 Guidelines for Designing Experiments

1.6 Summary: Using Statistical Techniques in Experimentation

Problems

2 Simple Comparative Experiments

2.1 Introduction

2.2 Basic Statistical Concepts

2.3 Sampling and Sampling Distributions

2.4 Inferences About the Differences in Means, Randomized Designs

2.5 Inferences About the Differences in Means, Paired Comparison Designs

2.6 Inferences About the Variances of Normal Distributions

Problems

3 Single-Factor Analysis of Variance: ANOVA

3.1 An Example

3.2 The Analysis of Variance

3.3 Analysis of the Fixed Effects Model

3.4 Model Adequacy Checking

3.5 Practical Interpretation of Results

3.6 Sample Computer Output

3.7 Determining Sample Size

3.8 Other Examples of Single-Factor Experiments

3.9 The Random Effects Model

3.10 The Regression Approach to the ANOVA

3.11 Nonparametric Methods in the Analysis of Variance

Problems

4 Randomized Blocks, Latin Squares, and Related Designs

4.1 The Randomized Complete Block Design

4.2 The Latin Square Design

4.3 The Graeco-Latin Square Design

4.4 Balanced Incomplete Block Designs

Problems

5 Introduction to Factorial Designs

5.1 Basic Definitions and Principles of Factorial Designs

5.2 The Advantage of Factorials

5.3 The Two-Factor Factorial Design

5.4 The General Factorial Design

5.5 Fitting Response Curves and Surfaces

5.6 Blocking in a Factorial Design

Problems

6 The 2^k Factorial Design

6.1 Introduction

6.2 The 2^2 Design

6.3 The 2^3 Design

6.4 The General 2^k Design

6.5 A Single Replicate of the 2^k Design

6.6 Additional Examples of Unreplicated 2^k Designs

6.7 2^k Designs Are Optimal Designs

6.8 The Addition of Center Points to the 2^k Design

6.9 Benefits of Working with Coded Design Variables

Problems

7 Blocking and Confounding in the 2^k Factorial Design

7.1 Introduction

7.2 Blocking a Replicated 2^k Factorial Design

7.3 Confounding in the 2^k Factorial Design

7.4 Confounding the 2^k Factorial Design in Two Blocks

7.5 Illustration on Importance of Blocking

7.6 Confounding the 2^k Factorial Design in Four Blocks

7.7 Confounding the 2^k Factorial Design in 2^p Blocks

7.8 Partial Confounding

Problems

8 Two-Level Fractional Factorial Designs

8.1 Introduction

8.2 The One-Half Fraction of the 2^k Design

8.3 The One-Quarter Fraction of the 2^k Design

8.4 The General 2^{k-p} Fractional Factorial Design

8.5 Alias Structures in Fractional Factorials and Other Designs

8.6 Resolution III Designs

8.7 Resolution IV and V Designs

8.8 Supersaturated Designs

8.9 Summary

Problems

9 Additional Design and Analysis Topics for Factorial and Fractional Factorial Designs

9.1 The 3^k Factorial Design

9.2 Confounding in the 3^k Factorial Design

9.3 Fractional Replication of the 3^k Factorial Design

9.4 Factorials with Mixed Levels

9.5 Nonregular Fractional Factorial Designs

9.6 Constructing Factorial and Fractional Factorial Designs Using an Optimal Design Tool

Problems

10 Regression Models

10.1 Introduction

10.2 Linear Regression Models

10.3 Estimation of the Parameters in Linear Regression Models

10.4 Polynomial Regression Models

10.5 Hypothesis Testing in Multiple Regression

10.6 Confidence Intervals in Multiple Regression

10.7 Prediction of New Response Observations

10.8 Regression Model Diagnostics

10.9 Testing for Lack of Fit

Problems

11 Response Surface Methods and Designs

11.1 Introduction to Response Surface Methodology

11.2 The Method of Steepest Ascent

11.3 Analysis of a Second-Order Response Surface

11.4 Experimental Designs for Fitting Response Surfaces

11.5 Experiments with Computer Models

11.6 Mixture Experiments

11.7 Evolutionary Operation

Problems

12 Robust Parameter Design and Process Robustness Studies

12.1 Introduction

12.2 Source of Noise in Functional Variation

12.3 Crossed Array Designs

12.4 Analysis of the Crossed Array Design

12.5 Combined Array Designs and the Response Model Approach

12.6 Choice of Designs

Problems

13 Experiments with Random Factors

13.1 Random Effects Models

13.2 The Two-Factor Factorial with Random Factors

13.3 The Two-Factor Mixed Model

13.4 Rules for Expected Mean Squares

13.5 Block Designs and Random Block Effects

13.6 Approximate F-Tests

13.7 Some Additional Topics on Estimation of Variance Components

Problems

14 Nested and Split-Plot Designs

14.1 The Two-Stage Nested Design

14.2 The General m-Stage Nested Design

14.3 Designs with Both Nested and Factorial Factors

14.4 Nested Fixed Effects and Random Effects

14.5 The Split-Plot Design

14.6 Other Variations of the Split-Plot Design

Problems

15 Other Design and Analysis Topics (available online)

Multiple-Choice Questions

Answer to Multiple-Choice

Questions ANS

Appendix

Table I Cumulative Standard Normal Distribution

Table II Percentage Points of the t Distribution

Table III Percentage Points of the χ^2 Distribution

Table IV Percentage Points of the F Distribution

Table V Percentage Points of the Studentized Range Statistic

Table VI Critical Values for Dunnett's Test for Comparing Treatments with a Control

Table VII Coefficients of Orthogonal Polynomials

Table VIII Alias Relationships for 2^{k-p} Fractional Factorial Designs with $k \leq 15$ and $n \leq 64$

Bibliography (available online)

Index

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