

# Design and Analysis of Experiments, 10th Edition: A Comprehensive Review

Design and Analysis of Experiments, 10th Edition, by Douglas C. Montgomery, is widely regarded as the leading textbook for understanding and applying experimental design principles. The book provides a comprehensive overview of the field, covering the latest advances in design and analysis techniques.



## Design and Analysis of Experiments, 10th Edition

by Douglas C. Montgomery

★★★★☆ 4.3 out of 5

Language : English

File size : 25450 KB

Screen Reader : Supported

Print length : 688 pages



The 10th edition of the book has been extensively revised and updated. New material has been added on the following topics:

- Factorial design
- Response surface methodology
- Regression analysis
- Analysis of variance

The book is also accompanied by a new website that provides access to additional resources, including:

- Datasets
- Software
- Interactive exercises

## **Audience**

Design and Analysis of Experiments, 10th Edition, is intended for undergraduate and graduate students in statistics, engineering, science, and business. The book is also a valuable resource for researchers and practitioners who use experimental design in their work.

## **Content**

The book is divided into nine chapters, each of which covers a different aspect of experimental design. The chapters are organized as follows:

- 1.
2. Basic Principles of Experimental Design
3. Factorial Design
4. Response Surface Methodology
5. Regression Analysis
6. Analysis of Variance
7. Design of Experiments for Non-Normal Data
8. Advanced Topics in Experimental Design

## 9. Applications of Experimental Design

The book covers a wide range of topics, including:

- The basic principles of experimental design
- The different types of experimental designs
- The analysis of experimental data
- The applications of experimental design in various fields

### **Features**

Design and Analysis of Experiments, 10th Edition, offers a number of features that make it an excellent resource for learning about experimental design. These features include:

- Clear and concise writing
- Numerous examples and exercises
- A comprehensive glossary
- An extensive bibliography

Design and Analysis of Experiments, 10th Edition, is a comprehensive and up-to-date textbook that provides a thorough understanding of experimental design principles. The book is suitable for undergraduate and graduate students, as well as researchers and practitioners who use experimental design in their work.

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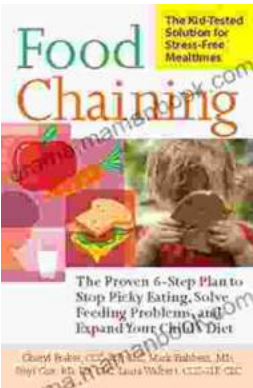
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