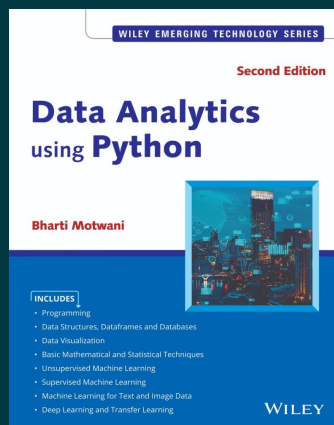




Data Analytics using Python, 2ed

By [Bharti Motwani](#)

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Description

In this competitive world, there is a need to continue supporting core strengths in higher education: build on a reputation for excellence and diversity in learning and teaching, world-leading research and an enviable record of knowledge exchange. The goal of this book is to open the doors of opportunity related to different analytical techniques from a broader array of datasets. It is an attempt to provide a reservoir of updated knowledge on varied tools for academicians, consultants, research scholars, practitioner and students. Data Analytics using Python will enable readers gain sufficient knowledge and experience to perform analysis using different tools and techniques available in numerous libraries according to different requirement of the user for different types of data. In order to provide a more meaningful and easier learning experience, this book has been written with more interesting and relevant real-life examples. The examples taken from a variety of sectors are solved with proper explanation of code and comments are used for better clarity. This easy-to-understand approach would enable readers to develop the required skills and apply techniques to solve all types of problems in Python in an effective manner.

The second edition of this book includes new chapters related to web scraping with BeautifulSoup and Selenium, new visualization technologies like dashboard with streamlit and graphical user interface with tkinter, integration of NoSQL databases like Neo4j, MongoDB and more SQL databases, advanced mathematical and statistical techniques like optimization and conjoint analysis, object oriented programming in Python, machine learning techniques like recommendation system, apriori algorithm and association rules and many more.

About the Author

Bharti Motwani

Dr. Bharti Motwani has over 28 years of experience in teaching, corporate, research and consultancy in a variety of contexts. She is an ambitious and analytical professional, IT and analytics consultant, corporate trainer, result-driven and articulate academician who can think “out of the box”, who loves to innovate and engage in new challenges.

She has high technical expertise in big data and artificial intelligence tools (Python, R, Hadoop, Rapid Miner, Knime, Spark, Hive, Pig, Scala, Power BI, Tableau, SAS, Cognos), statistical tools (SPSS, AMOS, Smart PLS), programming tools (Visual Basic, Java, C, C++, C#, PHP); SQL and NoSQL Database (Neo4J, MongoDB, Oracle, MS SQL Server, My SQL, MS Access); various IDE and web designing tools.

Table of Contents

SECTION 1 Programming in Python

Chapter 1 Introduction to Python

1.1 Features of Python

1.2 Installation of Python

1.3 Getting Started

1.4 Variables in Python

1.5 Output in Python

1.6 Input in Python

1.7 Operators

1.8 Core Modules in Python

1.9 Core Libraries in Python

Summary

Multiple-Choice Questions

Review Questions

Chapter 2 Control Flow Statements

2.1 Decision-Making Structures

2.2 Loops

2.3 Nesting of Conditional Statements and Loops

2.4 Abnormal Loop Termination

2.5 Errors and Exception Handling

2.6 User-Defined Functions

2.7 Multithreading

Summary

Multiple-Choice Questions

Review Questions

Chapter 3 Object Oriented Programming

3.1 Encapsulation

3.2 Inheritance

3.3 Polymorphism

Summary

Multiple-Choice Questions

Review Questions

Chapter 4 Modules

4.1 In-Built Modules in Python

4.2 User-Defined Module

Summary

Multiple-Choice Questions

Review Questions

SECTION 2 Data Structures, Databases and Dataframes

Chapter 5 Data Structures

5.1 Lists

5.2 Tuples

5.3 Dictionary

Summary

Multiple-Choice Questions

Review Questions

Chapter 6 NumPy Library for Arrays

6.1 One-Dimensional Array

6.2 Multidimensional Arrays

Summary

Multiple-Choice Questions

Review Questions

Chapter 7 Pandas Library for Data Processing

7.1 Basics of Dataframe

7.2 Import of Data

7.3 Functions of Dataframe

7.4 Data Extraction

7.5 Group by Functionality

7.6 Creating Charts for Dataframe

7.7 Data Tables

7.8 Missing Values

7.9 Data Transformation

7.10 Data Type Transformation

Summary

Multiple-Choice Questions

Review Questions

Chapter 8 SQL Databases – SQLAlchemy, MS-Access, MySQL and SQL SERVER

8.1 Basic SQL

8.2 Advanced SQL for Multiple Tables

8.3 SQL with MS-Access Database

8.4 SQL with MySQL Database

8.5 SQL with SQL Server Database

Summary

Multiple-Choice Questions

Review Questions

Chapter 9 NoSQL Databases - MongoDB and Neo4J

9.1 MongoDB Database

9.2 Neo4J

Summary

Multiple-Choice Questions

Review Questions

Chapter 10 Web Scraping

10.1 Web Scraping with API of Website

10.2 Web Scraping with Beautiful Soup

10.3 Web Scraping with Selenium

Summary

Multiple-Choice Questions

Review Questions

SECTION 3 Data Visualization

Chapter 11 Matplotlib Library for Visualization

11.1 Charts Using plot() Function

11.2 Pie Chart

11.3 Violin Plot

11.4 Scatter Plot

11.5 Histogram

11.6 Bar Chart

11.7 Area Plot

11.8 Quiver Plot

11.9 Mesh Grid

11.10 Contour Plot

11.11 Animation

Summary

Multiple-Choice Questions

Review Questions

Chapter 12 Seaborn for Advanced Visualization

12.1 Visualization for Categorical Variable

12.2 Visualization for Continuous Variable

Summary

Multiple-Choice Questions

Review Questions

Chapter 13 Tkinter for Graphical User Interface

13.1 Layout Manager

13.2 Widgets

13.3 Integrated Application

Summary

Multiple-Choice Questions

Review Questions

Chapter 14 Streamlit for Interactive Dashboards

14.1 Select Box

14.2 Radio Button

14.3 Check Box

14.4 Slider

14.5 Number Select

14.6 Multiselect

Summary

Multiple-Choice Questions

Review Questions

SECTION 4 Basic Mathematical and Statistical Techniques

Chapter 15 Pulp Library for Optimisation Techniques

15.1 Maximization Problems

15.2 Minimization Problems

Summary

Multiple-Choice Questions

Review Questions

Chapter 16 SciPy Library for Comparing Means

16.1 Basic Statistics

16.2 Parametric Techniques for Comparing Means

16.3 Non-Parametric Techniques for Comparing Means

Summary

Multiple-Choice Questions

Review Questions

Chapter 17 Time Series Analysis

17.1 Time Series Object

17.2 Determining Stationarity

17.3 Making Time Series Stationary

17.4 ARIMA Modeling

Summary

Multiple-Choice Questions

Review Questions

Chapter 18 Conjoint Analysis

18.1 Measuring Part Worth Utilities of Level

18.2 Measuring Part Worth Utilities of Each Attribute

18.3 Comparison of Different Plans

Summary

Multiple-Choice Questions

Review Questions

SECTION 5 Unsupervised Machine Learning

Chapter 19 Association Rules and Apriori Algorithm

19.1 Apriori Algorithm

19.2 Association Rules

Summary

Multiple-Choice Questions

Review Questions

Chapter 20 Dimension Reduction Algorithms

20.1 Factor Analysis

20.2 Principal Component Analysis

Summary

Multiple-Choice Questions

Review Questions

Chapter 21 Recommendation System

21.1 Cosine Similarity

21.2 Cosine Distance

21.3 Euclidean Distance

21.4 Manhattan Distance

Summary

Multiple-Choice Questions

Review Questions

Chapter 22 Cluster Analysis

22.1 K-Means Clustering

22.2 Agglomerative Hierarchical Clustering

Summary

Multiple-Choice Questions

Review Questions

SECTION 6 Supervised Machine Learning

Chapter 23 Supervised Machine Learning Problems

23.1 Basic Steps of Machine Learning

23.2 Regression

23.3 Classification

Summary

Multiple-Choice Questions

Review Questions

Chapter 24 Supervised Machine Learning Algorithms

24.1 Naive Bayes Algorithm

24.2 k-Nearest Neighbor's Algorithm

24.3 Support Vector Machines

24.4 Decision Tree

Summary

Multiple-Choice Questions

Review Questions

Chapter 25 Supervised Machine Learning Ensemble Techniques

25.1 Bagging

25.2 Random Forest

25.3 Extra Trees

25.4 Ada Boosting

25.5 Gradient Boosting

Summary

Multiple-Choice Questions

Review Questions

SECTION 7 Machine Learning for Text and Image Data

Chapter 26 Machine Learning for Text Data

26.1 Text Mining

26.2 Sentiment Analysis Using Lexicon-Based Approach

26.3 Similarity Techniques for Text Data

26.4 Cluster Analysis for Text Data

26.5 Supervised Machine Learning for Text Data

Summary

Multiple-Choice Questions

Review Questions

Chapter 27 Machine Learning for Image Data

27.1 Image Acquisition and Preprocessing

27.2 Similarity Techniques for Images

27.3 Cluster Analysis for Images

27.4 Supervised Machine Learning for Images

Summary

Multiple-Choice Questions

Review Questions

SECTION 8 Deep Learning and Transfer Learning

Chapter 28 Basic Neural Network Models

28.1 Steps for Building a Neural Network Model

28.2 Multilayer Perceptrons Model (2-D Tensor)

28.3 Recurrent Neural Network Model (3-D Tensor)

28.4 CNN Model (4-D tensor)

28.4.8 Regularization

28.4.9 Autoencoder as Classifier

28.4.10 Data Augmentation

Summary

Multiple-Choice Questions

Review Questions

Chapter 29 Transfer Learning for Text Data

29.1 Similarity Techniques for Text Data

29.2 Cluster Analysis for Text Data

29.3 Supervised Machine Learning for Text Data

Summary

Multiple-Choice Questions

Review Questions

Chapter 30 Transfer Learning for Image Data

30.1 Similarity Techniques for Images

30.2 Cluster Analysis for Images

30.3 Supervised Machine Learning for Images

References

Summary

Multiple-Choice Questions

Review Questions

Chapter 31 Chatbots

31.1 Understanding Rasa Environment and Executing Default Chatbot

31.2 Creating Basic Chatbot

31.3 Creating Chatbot with Entities and Actions

31.4 Creating Effective Chatbot

Summary

Multiple-Choice Questions

Review Questions

Chapter 32 The Road Ahead

32.1 Reinforcement Learning

32.2 Federated Learning

32.3 Graph Neural Networks (GNNs)

32.4 Generative Adversarial Network (GAN)

Summary

Multiple-Choice Questions

Review Questions

Index

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