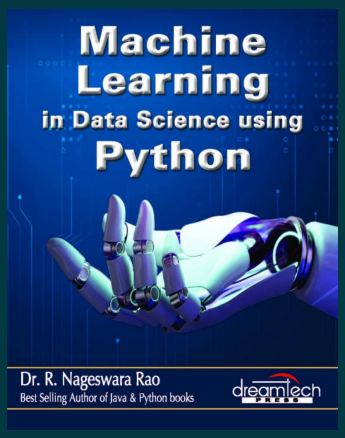
WILEY



Machine Learning in Data Science Using Python

By Dr. R. Nageswara Rao

Paperback 9789391540463 ₹999.00

Pages: 956

Description

This book is useful for students and IT professionals who want to make their career in the field of Machine Learning and Data Science.

About the Author

Dr. R. Nageswara Rao

Dr. R Nageswara Rao, the author of the best sellers ‘Core Python Programming’ and ‘Core Java – an integrated approach’ comes out with this remarkable new book to fulfill the needs of students and professionals in Machine Learning and Data Science. Dr R Nageswara Rao started his teaching career in 1993 as HOD, Dept of Computers under Andhra and Osmania Universities. He worked as a Project Manager and shifted to teaching C, C++ and then Java for more than 2,00,000+ students at Ameerpet, Hyderabad.

Table of Contents

Part 1: Python for Machine Learning and Data Science

Chapter 1: Fundamentals of Python

Chapter 2: Datatypes in Python 19

Chapter 3: Operators in Python

Chapter 4: Input and Output

Chapter 5: Control Statements

Chapter 6: Numpy Arrays

Chapter 7: Functions in Python

Chapter 8: Modules, Packages and Libraries

Chapter 9: Introduction to OOPS

Chapter 10: Classes, Objects and Methods

Chapter 11: Data Storage in Files

Chapter 12: Data Analysis Using Pandas

Chapter 13 Advanced Data Analysis using Pandas

Chapter 14: Data Visualization using Matplotlib

Chapter 15: Data Visualization using Seaborn

Part 2: Machine Learning in Data Science 747
Chapter 16: Introduction to Machine Learning
Chapter 17: Exploratory Data Analysis (EDA)
Chapter 18: Outliers
Chapter 19: Simple Linear Regression
Chapter 20: Multiple Linear Regression
Chapter 21: One Hot Encoding
Chapter 22: Polynomial Linear Regression
Chapter 23: Ridge Regression
Chapter 24: Lasso Regression
Chapter 25: Elasticnet Regression
Chapter 26: Logistic Regression
Chapter 27: Support Vector Machine (SVM)
Chapter 28: Naive Bayes Classification
Chapter 29: KNN Classifier
Chapter 30: Decision Trees
Chapter 31: Random Forest
Chapter 32: K-Means Clustering
Chapter 33: Apriori Algorithm
Chapter 34: Principal Component Analysis (PCA)
Chapter 35: K-Fold Cross Validation
Chapter 36: Model Selection
Part 3: Deep Learning and AI in Data Science
Chapter 37: Introduction to Deep Learning
Chapter 38: Creating Neural Networks in Python
Chapter 39: Tensorflow and Keras
Chapter 40: Creating ANN Using Tensorflow and Keras
Chapter 41: Convolutional Neural Network (CNN)
Chapter 42: Recurrent Neural Network (RNN)
Chapter 43: Natural Language Processing (NLP)
Chapter 44: Computer Vision
Program Index

To purchase this product, please visit:
https://www.wileyindia.com/machine-learning-in-data-science-using-python.html

Scan to buy