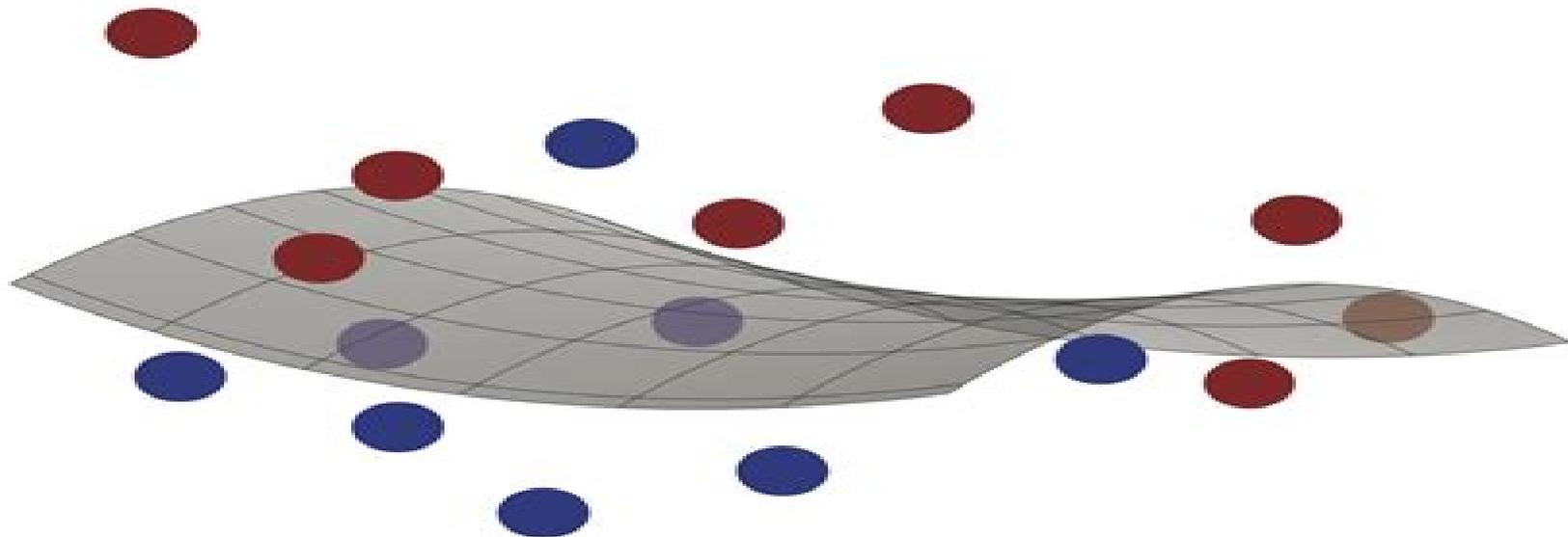# Foundations of Machine Learning

second edition

Mehryar Mohri,
Afshin Rostamizadeh,
and Ameet Talwalkar

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<u>Machine Learning and Big Data</u> Uma N. Dulhare,Khaleel Ahmad,Khairol Amali Bin Ahmad,2020-09-01 This book is intended for academic and industrial developers exploring and developing applications in the area of big data and machine learning including those that are solving technology requirements evaluation of methodology advances and algorithm demonstrations The intent of this book is to provide awareness of algorithms used for machine learning and big data in the academic and professional community The 17 chapters are divided into 5 sections Theoretical Fundamentals Big Data and Pattern Recognition Machine Learning Algorithms Machine Learning s Next Frontier and Hands On and Case Study While it dwells on the foundations of machine learning and big data as a part of analytics it also focuses on contemporary topics for research and development In this regard the book covers machine learning algorithms and their modern applications in developing automated systems Subjects covered in detail include Mathematical foundations of machine learning with various examples An empirical study of supervised learning algorithms like Na ve Bayes KNN and semi supervised learning

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