1. Record Nr. UNINA9910157627003321

Autore	Janota O.
Titolo	Die paroxysmale Lahmung : Eine Studie uber ihre Klinik und Pathogenese / / O. Janota
Pubbl/distr/stampa	Basel : , : S. Karger, , 1928 ©1928
ISBN	3-318-03794-X
Descrizione fisica	1 online resource (vi, 118 pages)
Disciplina	616.845
Soggetti	Convulsions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr. UNINA9911015638303321

Autore	Sun Yi
Titolo	A Mathematical Introduction to Data Science / / by Yi Sun, Rod Adams
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9656-39-7
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XIV, 476 p. 10 illus.)
Disciplina	005.7
Soggetti	Artificial intelligence - Data processing Computer science - Mathematics Machine learning Mathematical statistics Artificial intelligence Data Science Mathematics of Computing Machine Learning Probability and Statistics in Computer Science Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Sets and Functions -- Chapter 3 Liner Algebra -- Chapter 4 Matrix Decomposition -- Chapter 5 Calculus -- Chapter 6 Advanced Calculus -- Chapter 7 Algorithms 1 – Principal Component Analysis -- Chapter 8 Algorithms 2 – Liner Regression -- Chapter 9 Algorithms 3 – Neural Networks -- Chapter 10 Probability -- Chapter 11 Further Probability -- Chapter 12 Elements of Statistics -- Chapter 13 Algorithms 4 – Maximum Likelihood Estimation and its Application to Regression -- Chapter 14 Data Modelling in Practice.
Sommario/riassunto	This textbook provides a comprehensive foundation in the mathematics needed for data science for students and self-learners with a basic mathematical background who are interested in the principles behind computational algorithms in data science. It covers sets, functions, linear algebra, and calculus, and delves deeply into probability and

statistics, which are key areas for understanding the algorithms driving modern data science applications. Readers are guided toward unlocking the secrets of algorithms like Principal Component Analysis, Singular Value Decomposition, Linear Regression in two and more dimensions, Simple Neural Networks, Maximum Likelihood Estimation, Logistic Regression and Ridge Regression, illuminating the path from mathematical principles to algorithmic mastery. It is designed to make the material accessible and engaging, guiding readers through a step-by-step progression from basic mathematical concepts to complex data science algorithms. It stands out for its emphasis on worked examples and exercises that encourage active participation, making it particularly beneficial for those with limited mathematical backgrounds but a strong desire to learn. This approach facilitates a smoother transition into more advanced topics. The authors expect readers to be proficient in handling numbers in various formats, including fractions, decimals, percentages, and surds. They should also have a knowledge of introductory algebra, such as manipulating simple algebraic expressions, solving simple equations, and graphing elementary functions, along with a basic understanding of geometry including angles, trigonometry and Pythagoras' theorem.