

1. Record Nr.	UNINA9910299288703321
Autore	Forsyth David
Titolo	Probability and statistics for computer science // by David Forsyth
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319644103 3-319-64410-6
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXIV, 367 p. 124 illus., 84 illus. in color.)
Disciplina	004.015114
Soggetti	Estadística matemàtica - Informàtica Simulació per ordinador Mathematical statistics Computer simulation Statistics Probability and Statistics in Computer Science Simulation and Modeling Statistics and Computing/Statistics Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Notation and conventions -- 2 First Tools for Looking at Data -- 3 Looking at Relationships -- 4 Basic ideas in probability -- 5 Random Variables and Expectations -- 6 Useful Probability Distributions -- 7 Samples and Populations -- 8 The Significance of Evidence -- 9 Experiments -- 10 Inferring Probability Models from Data -- 11 Extracting Important Relationships in High Dimensions -- 12 Learning to Classify -- 13 Clustering: Models of High Dimensional Data -- 14 Regression -- 15 Markov Chains and Hidden Markov Models -- 16 Resources.
Sommario/riassunto	This textbook is aimed at computer science undergraduates late in sophomore or early in junior year, supplying a comprehensive background in qualitative and quantitative data analysis, probability, random variables, and statistical methods, including machine learning. With careful treatment of topics that fill the

curricular needs for the course, Probability and Statistics for Computer Science features:

- A treatment of random variables and expectations dealing primarily with the discrete case.
- A practical treatment of simulation, showing how many interesting probabilities and expectations can be extracted, with particular emphasis on Markov chains.
- A clear but crisp account of simple point inference strategies (maximum likelihood; Bayesian inference) in simple contexts. This is extended to cover some confidence intervals, samples and populations for random sampling with replacement, and the simplest hypothesis testing.
- A chapter dealing with classification, explaining why it's useful; how to train SVM classifiers with stochastic gradient descent; and how to use implementations of more advanced methods such as random forests and nearest neighbors.
- A chapter dealing with regression, explaining how to set up, use and understand linear regression and nearest neighbors regression in practical problems.
- A chapter dealing with principal components analysis, developing intuition carefully, and including numerous practical examples. There is a brief description of multivariate scaling via principal coordinate analysis.
- A chapter dealing with clustering via agglomerative methods and k-means, showing how to build vector quantized features for complex signals. Illustrated throughout, each main chapter includes many worked examples and other pedagogical elements such as boxed Procedures, Definitions, Useful Facts, and Remember This (short tips). Problems and Programming Exercises are at the end of each chapter, with a summary of what the reader should know. Instructor resources include a full set of model solutions for all problems, and an Instructor's Manual with accompanying presentation slides.

2. Record Nr.	UNISANNIOBVEE006793
Autore	Quintilianus, Marcus Fabius
Titolo	M. Fabij Quintiliani Institutionum oratoriarum libri 12. Summa diligentia ad fidem uetustissimorum codicum recogniti ac restituti. Cum rerum uerborumque indice multo locupletissimo. Declamationum liber eiusdem
Pubbl/distr/stampa	Lugduni, : apud Seb. Gryphium, 1544
Titolo uniforme	Declamationes
Descrizione fisica	2 pt. (612, [108]; 247, [1] p.) ; 8°
Collocazione	ANT FONDO RARI 17
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Nel titolo il numero è espresso: XII Marca (S870) sui frontespizi Corsivo ; greco ; romano Segnatura: a-zA-Y; 2a-2p2q Iniziali xilografiche Pt. 2.: Mar. Fabij Quintiliani Declamationes.