

1. Record Nr.	UNISALENTO991003600339707536
Autore	Efron, Bradley
Titolo	Computer age statistical inference : algorithms, evidence, and data science / Bradley Efron, Trevor Hastie
ISBN	9781107149892
Descrizione fisica	xix, 475 p. : ill. (some color) ; 24 cm
Collana	Institute of Mathematical Statistics monographs ; 5
Altri autori (Persone)	Hastie, Trevorauthor
Disciplina	519.5
Soggetti	Mathematical statistics - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and indexes
Nota di contenuto	Part I. Classic Statistical Inference: -- 1. Algorithms and inference -- 2. Frequentist inference -- 3. Bayesian inference -- 4. Fisherian inference and maximum likelihood estimation -- 5. Parametric models and exponential families -- Part II. Early Computer-Age Methods: -- 6. Empirical Bayes -- 7. James–Stein estimation and ridge regression -- 8. Generalized linear models and regression trees -- 9. Survival analysis and the EM algorithm -- 10. The jackknife and the bootstrap -- 11. Bootstrap confidence intervals -- 12. Cross-validation and Cp estimates of prediction error --13. Objective Bayes inference and Markov chain Monte Carlo --14. Statistical inference and methodology in the postwar era -- Part III. Twenty-First Century Topics: -- 15. Large-scale hypothesis testing and false discovery rates -- 16. Sparse modeling and the lasso -- 17. Random forests and boosting -- 18. Neural networks and deep learning -- 19. Support-vector machines and kernel methods -- 20. Inference after model selection -- 21. Empirical Bayes estimation strategies -- Epilogue