

1. Record Nr.	UNISA996418276803316
Autore	Pardo Scott
Titolo	Statistical analysis of empirical data [[electronic resource]] : methods for applied sciences / / by Scott Pardo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-43328-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (278 pages)
Disciplina	519.5
Soggetti	Statistics Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences Bayesian Inference Statistics for Life Sciences, Medicine, Health Sciences Statistics for Social Sciences, Humanities, Law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Fundamentals -- Chapter 2: Sample Statistics are NOT Parameters -- Chapter 3: Confidence -- Chapter 4: Multiplicity and Multiple Comparisons -- Chapter 5: Power and the Myth of Sample Size Determination -- Chapter 6: Regression and Model Fitting with Collinearity -- Chapter 7: Overparameterization -- Chapter 8: Ignoring Error Control Factors and Experimental Design -- Chapter 9: Generalized Linear Models -- Chapter 10: Mixed Models and Variance Components -- Chapter 11: Models, Models Everywhere...Model Selection -- Chapter 12: Bayesian Analyses -- Chapter 13: The Acceptance Sampling Game -- Chapter 14: Nonparametric Statistics - A Strange Name -- Chapter 15: Autocorrelated Data and Dynamic Systems -- Chapter 16: Multivariate Analysis and Classification -- Chapter 17: Time-to-Event: Survival and Life Testing -- Index.
Sommario/riassunto	Researchers and students who use empirical investigation in their work must go through the process of selecting statistical methods for analyses, and they are often challenged to justify these selections. This book is designed for readers with limited background in statistical methodology who seek guidance in defending their statistical decision-

making in the worlds of research and practice. It is devoted to helping students and scholars find the information they need to select data analytic methods, and to speak knowledgeably about their statistical research processes. Each chapter opens with a conundrum relating to the selection of an analysis, or to explaining the nature of an analysis. Throughout the chapter, the analysis is described, along with some guidance in justifying the choices of that particular method. Designed to offer statistical knowledge to the non-specialist, this volume can be used in courses on research methods, or for courses on statistical applications to biological, medical, life, social, or physical sciences. It will also be useful to academic and industrial researchers in engineering and in the physical sciences who will benefit from a stronger understanding of how to analyze empirical data. The book is written for those with foundational education in calculus. However, a brief review of fundamental concepts of probability and statistics, together with a primer on some concepts in elementary calculus and matrix algebra, is included. R code and sample datasets are provided.

2. Record Nr.	UNINA9911007471003321
Autore	Schlüssel Andrew T
Titolo	The SAGES Manual for Navigating a Successful Military Surgical Career / / edited by Andrew T. Schlüssel, Danielle B. Holt, Robert B. Lim, Tamara J. Worlton, E. Matthew Ritter
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-88490-6
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (655 pages)
Altri autori (Persone)	HoltDanielle B LimRobert B WorltonTamara J RitterE. Matthew
Disciplina	617
Soggetti	Surgery Gastroenterology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Part I. The Early Years -- History of Military Surgery -- Undergraduate Medical Education -- Graduate Medical Education -- Part II. The Organizations -- Defense Health Agency -- Navigating an Army Career -- Navigating an Air Force Career -- Navigating a Navy Career -- Navigating a Career in the Reserves -- Part III. Developing Your Career as a Military Surgeon -- Success in your First Job: How to Maximize Time and Overcome Low Surgical Volume -- Skills Maintenance in the Military (Mil-Civ, ERSA, Service Agreements [MOU, MOA], ODE, KSA) -- Administrative Leadership -- Academics and Research -- Professional Education and Leadership Development on Active Duty -- Command Tract: How to Become a Flag Officer -- Getting Ready for Your First Deployment -- Global Health Engagement, Humanitarian Assistance, and Disaster Response -- Operational Assignments -- Special Operations -- Space Medicine: The Surgeon's Role -- Part IV. Life Outside of the Operating Room -- Maximizing Military Finances -- Diversity, Equity, Inclusivity in the Military -- Mental Health for the Military Surgeon -- LGBTQ+ Surgeon Life on Active Duty -- Dual Surgeon Couple/Dual Military Couple Life on Active Duty -- Retirement, Separations, and Transitioning to Civilian Practice -- Becoming a Veteran Affairs Surgeon -- Epilogue: Tips and Tricks of a Successful Career -- Appendices.

Sommario/riassunto

The aim of this manual is to offer a comprehensive framework for both present and future military surgeons, enabling them to effectively navigate and build a successful career within the military, while also providing them with transferable skills upon completion of their military service. The military healthcare system operates within a unique framework with distinct challenges and opportunities. By acquiring knowledge and insights into the intricacies of military career paths, surgeons can make informed decisions about assignments, promotions and professional development. Navigating an Army, Air Force, Navy or Reserve career requires an understanding of the organizational structures, consultant roles and specific requirements of each service branch. Additionally, being aware of opportunities for advanced education, leadership development and operational assignments enables surgeons to develop a career trajectory aligned with their goals and aspirations. Presently there is not a sole source document, either in the military or civilian sectors, that allows easy access and references to the multiple opportunities afforded to military surgeons or an understanding of life as a surgeon on active duty. Furthermore, this text provides context to civilian organizations, administrative personnel, recruiting departments and family members that interact with or assist in making important decisions for military surgeons. This manual features insight and guidance from senior leaders of our Armed Forces, both past and present, who have excelled in academic, operational and clinical surgical careers. By providing a reference for successfully navigating a military career, this will not only enhance the professional growth of a surgeon, but also ensure the delivery of high-quality healthcare to our service members and beneficiaries both domestic and abroad.
