

Statistical Methods for the Earth Scientist: An Introduction 1974 Roger Till Macmillan, 1974

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Introduction Why do earth scientists need to understand experimental design and statistics? What is this book designed to do? 2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 This book presents an introduction to statistical methods that is specifically written for earth science students who do not have a strong background in mathematics. The earth sciences are increasingly (and appropriately) recognized as environmental sciences that overlap and integrate with other disciplines, especially geography, hydrology, soil science, oceanography, environmental management, environmental impact assessment, bioremediation, remote sensing and conservation. Academic Press, 2011. - 704 pages. 3rd Edition. Fundamentally, statistics is concerned with managing data and making inferences and forecasts in the face of uncertainty. It should not be surprising, therefore, that statistical methods have a key role to play in the atmospheric sciences. It is the uncertainty in atmospheric behavior that continues to move research forward and drive innovations in atmospheric modeling and prediction. This revised and expanded text explains the latest statistical methods that are being used to describe, analyze, test and forecast atmospheric data. It features numerous Statistical Methods in the Atmospheric Sciences, Volume 59: An Introduction (International Geophysics). by Daniel S. Wilks (Author). The book is a must-buy if you use statistics in your classes or research. It can serve as a text or a reference work. I found the book's range of topics, depth of treatment, and pedagogical style with relatively few exceptions appropriate for upper-division undergraduates and beginning graduate students...Wilks' excellent book provides a thorough base in applied statistical methods for atmospheric scientists. I hope its availability will encourage university atmospheric programs to provide all of their degree candidates with a treatment of this important subject that is as broad and in-depth as that provided by Wilks at Cornell. Download this book Statistical Methods for the Earth Scientist: An Introduction.pdf

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