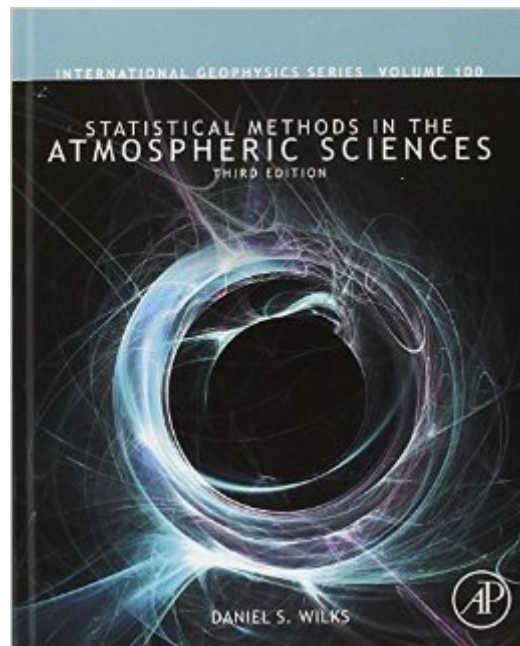


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Statistical Methods In The Atmospheric Sciences, Volume 100, Third Edition (International Geophysics)



Synopsis

Praise for the First Edition: "I recommend this book, without hesitation, as either a reference or course text...Wilks' excellent book provides a thorough base in applied statistical methods for atmospheric sciences."--BAMS (Bulletin of the American Meteorological Society) 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 worked examples, illustrations, equations, and exercises with separate solutions. Statistical Methods in the Atmospheric Sciences, Second Edition will help advanced students and professionals understand and communicate what their data sets have to say, and make sense of the scientific literature in meteorology, climatology, and related disciplines. Accessible presentation and explanation of techniques for atmospheric data summarization, analysis, testing and forecasting. Many worked examples. End-of-chapter exercises, with answers provided.

Book Information

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Customer Reviews

I saw the book out of cross-discipline curiosity: my statistical background is of econometrics variety, and I was wondering what sort of statistics meteorologists do. In the event, this was not a right

choice: the book is an introduction to statistical methods, and at this level, things do not get too specialized. All the same, I quite liked the book as a nicely written and very substantial statistics textbook - the chapters on frequency-domain analysis and PCA, CCA, etc. are some of the highlights - so enthusiastic kudos to the author.

This book is THE reference for the intersection of statistics and meteorology. Each edition improves and expounds upon the last. As a researcher who does a lot of work in weather forecast verification, this book gets pulled from my shelf more than any other. Dan's writing style is compact; it's got most everything you need, little you don't. It's a suitable reference for an undergrad or graduate course in statistical meteorology, but it's also highly recommended to most any researcher in atmospheric science as a handy reference.

Some of recent progress of statistical methods in the atmosphere sciences have been covered in contrast to the second edition, I love it very much !

Excellent book! It's full of very useful and practical information.

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