

## Preface to the Third Edition

In preparing the third edition of *Statistical Methods in the Atmospheric Sciences* I have again tried to serve the needs of both instructors and students for a textbook, while also supporting researchers and operational practitioners who need a reasonably comprehensive but not-too-cumbersome reference.

All of the chapters have been updated from the second edition. This new edition includes nearly 200 new references, of which almost two-thirds are dated 2005 and later. The most prominent addition to the text is the new chapter on Bayesian inference. However, there are also new sections on trend tests and multiple testing, as well as expanded treatment of the Bootstrap; new sections on generalized linear modeling and developments in ensemble MOS forecasting; and six new sections in the forecast verification chapter, reflecting the large amount of attention this important topic has received during the past five years.

I continue to be grateful to the many colleagues and readers who have offered suggestions and criticisms that have led to improvements in this new edition, and who have pointed out errors in the second edition. Please continue to let me know about the errors that will be found in this revision, by contacting me at [dsw5@cornell.edu](mailto:dsw5@cornell.edu). A list of these errata will be collected and maintained at <http://atmos.eas.cornell.edu/~dsw5/3rdEdErrata.pdf>.