

BOOK REVIEW:

Einführung in die angewandte Statistik für Biowissenschaftler

Kesel, Antonia B, Junge Monika M, Nachtigall Werner
Birkhäuser, Basel, Boston, Berlin, 1999, 3-7643-5953-6, CHF 58.00

This textbook on biomedical statistics teaches descriptive and analytic statistics. It starts with an explanation of the fundamentals of statistics, for example qualitative and quantitative features, followed by univariate descriptive statistics. The fundamentals of inductive statistics are included as well as the description of prerequisites in order to apply certain statistical techniques. The last chapters focus on bivariate techniques, i.e., regression and correlation. Multivariate analysis or more sophisticated techniques are not included. The textbook is addressed on students and colleagues who are not familiar with biomedical statistics or those who want to have a fast overview on the fundamentals of statistic approaches. Each chapter provides the readers with a short and instructive summary and with corresponding exercises.

Having read this textbook the reader should be able to understand the fundamentals of application of statistical techniques in any field of biometry as long as it is related to simple tasks. In addition, the textbook provides a broad understanding of these techniques which can be used as solid ground to proceed to more sophisticated statistical techniques such as analysis of time series, factor analysis, or non-hierarchic variance analysis.

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