



# A Practical Guide to Scientific Data Analysis

*David J. Livingstone*

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**A Practical Guide to Scientific Data Analysis** David J. Livingstone

Inspired by the author's need for practical guidance in the processes of data analysis, *A Practical Guide to Scientific Data Analysis* has been written as a statistical companion for the working scientist. This handbook of data analysis with worked examples focuses on the application of mathematical and statistical techniques and the interpretation of their results.

Covering the most common statistical methods for examining and exploring relationships in data, the text includes extensive examples from a variety of scientific disciplines.

The chapters are organised logically, from planning an experiment, through examining and displaying the data, to constructing quantitative models. Each chapter is intended to stand alone so that casual users can refer to the section that is most appropriate to their problem.

Written by a highly qualified and internationally respected author this text:

- Presents statistics for the non-statistician
- Explains a variety of methods to extract information from data
- Describes the application of statistical methods to the design of “performance chemicals”
- Emphasises the application of statistical techniques and the interpretation of their results

Of practical use to chemists, biochemists, pharmacists, biologists and researchers from many other scientific disciplines in both industry and academia.

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