

## STATISTICS IN RESEARCH

### A VISUAL TEACHING RESOURCE

- Demonstrations of statistics in practice
- Aimed at Year 13 Statistics learning level
- DVD of 9 case studies, covering data collection and analysis
- CD of Excel spreadsheets of data from case studies
- Students can reproduce and extend the analyses

This resource (DVD plus CD) is a valuable aid to help motivate the teaching of statistics, especially Year 13 Statistics.

The DVD shows videos of nine recent research studies, with about 15 minutes for each case. The researcher introduces the topic and outlines the problem to be analysed; the subsequent discussion is illustrated using animations to highlight relevant sections of the data and associated statistical results.

The CD contains the case study data in Excel (and in some cases SPSS) format. Students will be able to reproduce the results from the video and carry out further analyses of the data as part of project work. A pdf file on the CD introduces the nine folders that contain the data, and describes the data files. There is also a link to the Statistics New Zealand website, which is a rich source of further data.

Seven of the studies were conducted at the University of Otago, drawn from human nutrition, epidemiology, marketing, psychology, zoology, statistics and physical education; there are two reports from Statistics New Zealand. '*Statistics in Research*' is edited by John Harraway, who is a Senior Lecturer in Statistics at the University of Otago and is currently Vice-President of the International Association for Statistical Education.

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