

# Sigma Stats Workbook

NCEA Achievement Standard 1.11  
Bivariate Data

**Geoff Ackerley**

## List of Contents

The Statistical Enquiry Cycle .....	1	Analysing Bivariate Data 1 .....	14
Define the Problem 1 .....	2	Analysing Bivariate Data 2 .....	15-17
Define the Problem 2 .....	3	Form a Conclusion 1 .....	18-20
Define the Problem 3 .....	4	Form a Conclusion 2 .....	21-22
Data Display 1 .....	5	Plan the Investigation .....	23-26
Data Display 2 .....	6	Investigations 1 - 'The Shot Put' .....	27-28
Data Display 3 .....	7	Investigations 2 - 'Reaction Times' .....	29-30
Understanding Technology .....	8	Investigations 3 - 'The Internet and Homework' .....	31-32
Applying Technology .....	9	Achievement Standard 1.11 - Test 1 - 'Leaves' .....	33-35
Looking at Your Scatter Plot 1 .....	10	Achievement Standard 1.11 - Test 2 - 'The Ramp' .....	36-38
Looking at Your Scatter Plot 2 .....	11	Answers .....	39-42
Fitting a Trendline 1 .....	12	NCEA Achievement Criteria - AS 1.11 .....	43
Fitting a Trendline 2 .....	13		