Figure 4.5. ANALYSIS STAGE: Correlation

Section headings to provide a content overview

1. What is Correlation?
2. How Does Correlation Work Numerically?
   Example 4.5.1
3. Calculating Correlation in Practice
4. Properties of Correlation
5. Interpreting Correlation Correctly: Influential Observations, Outliers and Non-linear Relationships
6. Assessing Correlation Correctly: Number of Observations and Scaling
7. Assessing Correlation Correctly: Scatter Diagrams of *Averages*
8. Assessing Correlation Correctly: Correlation and Slope
9. Appendix 1: Section 6 and 8 Data Sets
10. Appendix 2: Section 7 Data Sets
11. Appendix 3: Correlation in Probability Theory
12. Appendix 4: Notation Summary
13. Appendix 5: Exercising the Ideas
    Fourteen exercises

Scatter Diagrams (n = 80) for 12 Positive r-values

Scatter Diagrams (n = 20) for 6 Negative r-values

Scatter Diagrams (n = 20) for 6 Positive r-values

Scatter Diagrams (n = 80) for 12 Negative r-values

Statistics: time to update our brains (newspaper article)

Twelve tables

Eighty-eight diagrams

Ten equations