

This practical guide teaches nonstatisticians how to analyze and interpret loglinear models using the multigraph

**The Association Graph and the Multigraph for Loglinear Models** will help students, particularly those studying the analysis of categorical data, to develop the ability to evaluate and unravel even the most complex loglinear models without heavy calculations or statistical software. This monograph reviews loglinear models, explains the association graph, and introduces the multigraph to students who may have little prior experience of graphical techniques, but have some familiarity with categorical variable modeling. The author presents logical step-by-step techniques from the point of view of the practitioner, focusing on how the technique is applied to contingency table data and how the results are interpreted.

#### Key Features

- Numerous engaging real-data examples, many of which come from the author's own consulting experience, provide the reader with extensive practice of the presented techniques.
- The author introduces the multigraph, a new, powerful graphical technique that enables the student to analyze certain aspects of the loglinear model more easily than with the association graph.
- Multiple mathematical graphs help students comprehend this visual-intensive subject area.

# THE ASSOCIATION GRAPH AND THE MULTIGRAPH FOR LOGLINEAR MODELS

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