

Semantic Network Analysis is a technique in which the content of a message (such as a newspaper article) is extracted from text and represented as a network of semantic relations between actors and issues, which can be queried to look for specific patterns and answer various research questions. This technique yields data that are easier to compare, combine, and share than traditional content analysis techniques.

This book describes a number of techniques that have been developed to facilitate Semantic Network Analysis. It describes techniques to **automatically extract** networks using co-occurrence, grammatical analysis, and sentiment analysis. Additionally, it describes techniques to **represent** the extracted semantic networks and background knowledge about the actors and issues in the network, using Semantic Web techniques to deal with multiple issue categorisations and political roles and functions that shift over time. It shows how this combined network of message content and background knowledge can be **queried and visualized** to make it easy to answer a variety of research questions. Finally, this book describes the AmCAT infrastructure and iNet coding program for that have been developed to facilitate managing large automatic and manual content analysis projects.

These techniques make it easier to conduct large scale Semantic Network Analysis, and to combine and share the data and results of these analyses between researchers. This makes it possible to create large data sets on which new or competing theories can be tested more easily.



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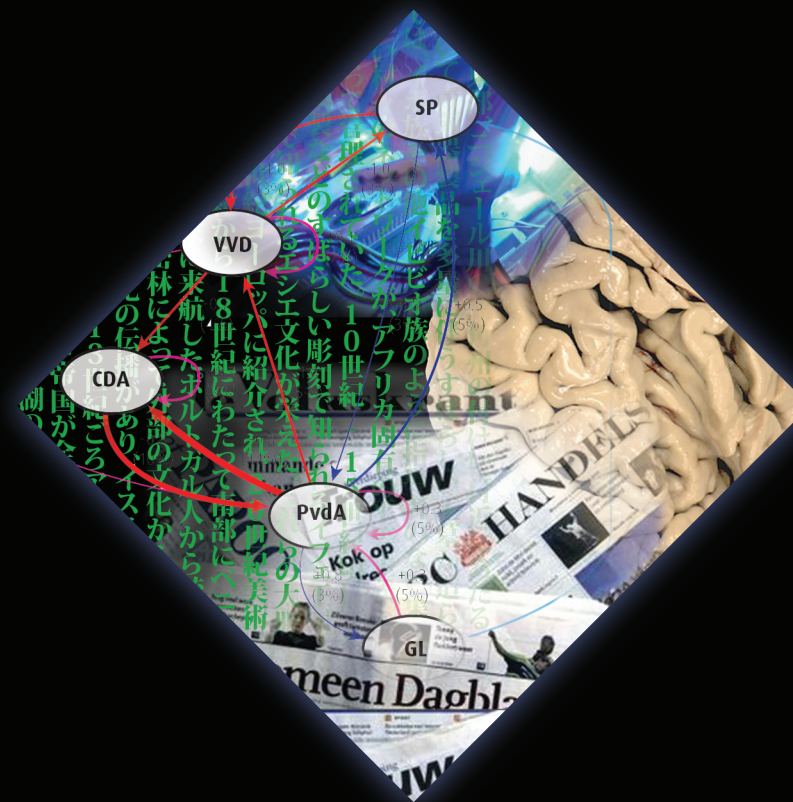


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Techniques for Extracting, Representing
and Querying Media Content



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