

The background is a complex collage of abstract elements. It features a grid of small grey plus signs, a network of red lines connecting green dots, and a vertical strip of orange and red dots. A large, light grey, angular shape is positioned behind the text.

A Multi-Dimensional Categorization

Cluster Analysis: A Multi-Dimensional Categorization

❑ Technique-Centered

- ❑ Distance-based methods
- ❑ Density-based and grid-based methods
- ❑ Probabilistic and generative models
- ❑ Leveraging dimensionality reduction methods
- ❑ High-dimensional clustering
- ❑ Scalable techniques for cluster analysis

❑ Data Type-Centered

- ❑ Clustering numerical data, categorical data, text data, multimedia data, time-series data, sequences, stream data, networked data, uncertain data

❑ Additional Insight-Centered

- ❑ Visual insights, semi-supervised, ensemble-based, validation-based