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