

## # Requirements of Clustering in Data Mining.

- i Scalability - we need highly scalable clustering algorithms to deal with large database.
- ii Ability to deal with different kinds of attributes - algorithms should be capable to be applied on any kind of data such as interval based (numerical) data, categorical and binary data.
- iii dealing with different types of attributes.
- iv discovering clusters with arbitrary shape.
- v minimal requirement for domain knowledge to determine input parameters.
- vi ability to deal with noise and outliers.

# different types of Clustering methods.

- i. partitioning methods
- ii. Hierarchical clustering
- iii. Fuzzy Clustering
- iv. density-based clustering.
- v. model-based clustering.