

Variations of *K-Means*

- There are many variants of the *K-Means* method, varying in different aspects

- Choosing better initial centroid estimates

- *K-means++*, *Intelligent K-Means*, *Genetic K-Means*

To be discussed in this lecture

- Choosing different representative prototypes for the clusters

- *K-Medoids*, *K-Medians*, *K-Modes*

To be discussed in this lecture

- Applying feature transformation techniques

- *Weighted K-Means*, *Kernel K-Means*

To be discussed in this lecture