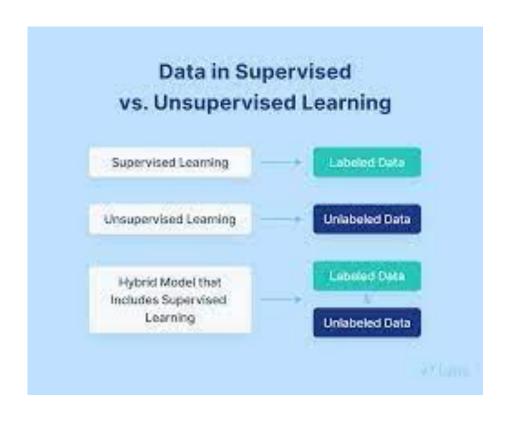
K-Means Clustering

UTKARSH GAIKWAD

CLASS STARTING IN FEW MINUTES

Supervised vs Unsupervised Machine Learning

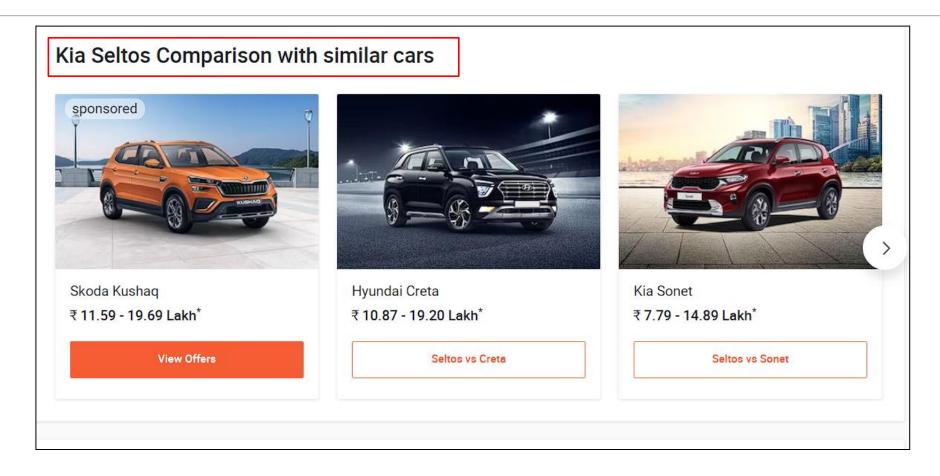


Example where clustering is used

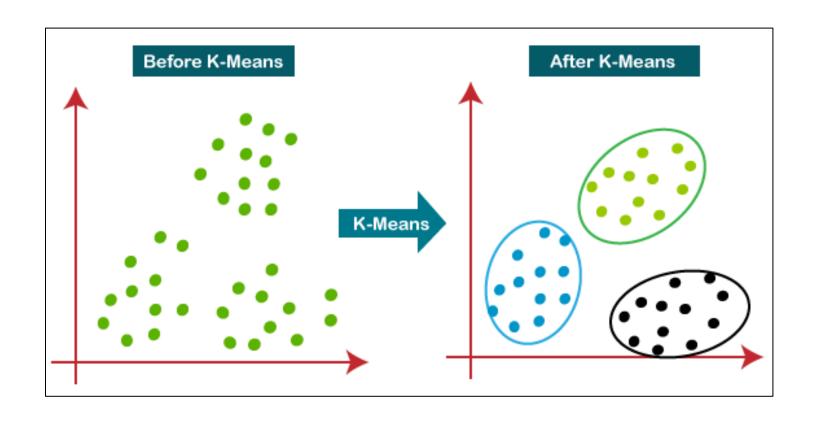
Similar products grouped together in Amazon website



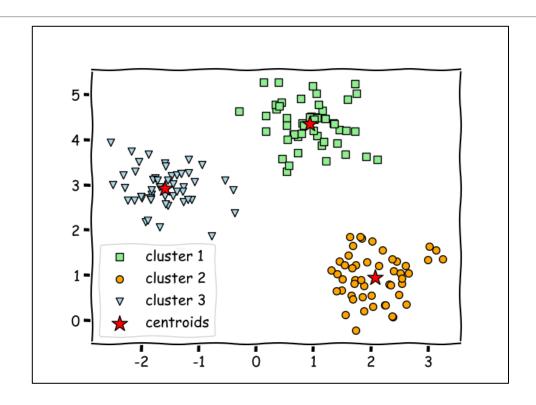
Similar Cars at car dekho website

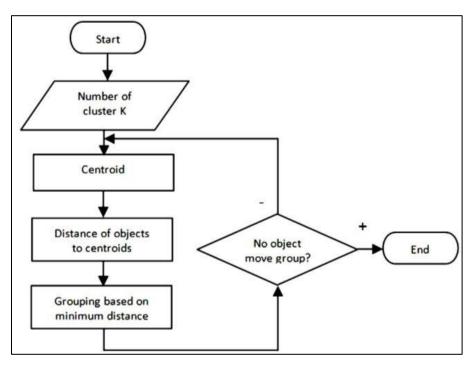


K-Means Clustering explained



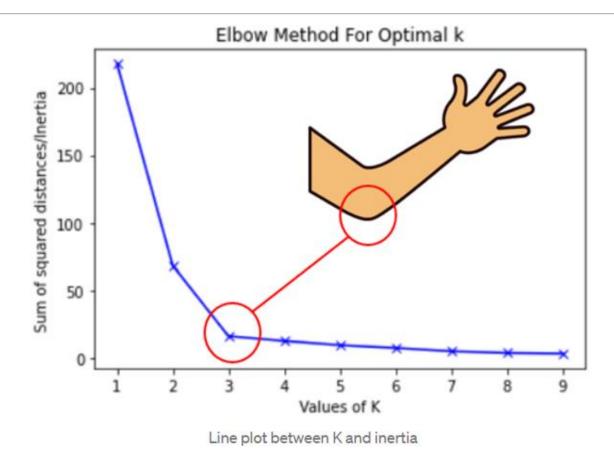
What is Centroid In K-Means





https://www.naftaliharris.com/blog/visualizing-k-means-clustering/

Determining Optimum Clusters Elbow method



K-Means Clustering in Sklearn

```
from sklearn.cluster import KMeans
km = KMeans(n_clusters=4)
km.fit(X_pre)
```

Thank you