

Unsupervised Learning

Lecture-1: K-means Clustering

- Python notebook: [🔗 Lecture-1-Kmeans.ipynb](#)
- Scribble notes: [📄 Combined _ Intro to ML _ ML-1 _ RevisionNotes \(2\).pdf](#)
- ML-1 Notes: [📄 Unsupervised Learning.pdf](#)

Lecture-2:

- Python notebook: [🔗 Lecture-2 .ipynb](#)
- Scribble notes: [📄 Lecture K-means++.pdf](#)

Lecture-3:

- Python notebook: [🔗 Lecture-3-HierarchicalClustering.ipynb](#)
- Scribble notes: [📄 Hierarchical Clustering.pdf](#)

Lecture-4:

- Python notebook: [🔗 Lecture-4-GMM.ipynb](#)
- Scribble notes: [📄 Gaussian Mixture Model.pdf](#)

Lecture-5:

- Python notebook [🔗 Lecture-5-AnomalyDetection-1.ipynb](#)
- Scribble Notes: [📄 DBSCAN.pdf](#)

Lecture-6:



- Python notebook: [🔗 Lecture-6-AnomalyDetection-2.ipynb](#)

- Scribble Notes:  Anomaly Detection.pdf



Lecture-7:

- Python notebook:  Lecture-7-PCA.ipynb
- Scribble Notes:  LOF and PCA.pdf


Lecture-8:

- Python notebook:  Lecture-8-PCA-2+Tsne.ipynb
- Scribble Notes:  PCA Implementation and t-sne.pdf

Lecture-9:

- Python notebook:  Lecture-9-tsne+UMAP.ipynb
- Scribble Notes:  T-SNE and UMAP.pdf

Lecture-10:

- Python notebook:  Practical Session - House Price Prediction.ipynb