**ML2: Unsupervised Notes**

| **Cheatsheet** | [Unsupervised Learning Algorithm 1.pdf](https://drive.google.com/file/d/1dQkk9TLUP6PB15vVMJH97LyIxUWySae-/view?usp=drive_link) |
| --- | --- |
| **Consolidated Notes - Docs** | [ML2 Unsupervised Module notes.pdf](https://drive.google.com/file/d/1rYxkWJnLVX4O_MLSamsGpk8-1AW-V2UQ/view?usp=drive_link) |
| **Consolidated Colab** | [ML2-Unsupervised.ipynb](https://colab.research.google.com/drive/1aBL2bWm_NBwI7qS2kr9K01XMHymwGL-x?usp=drive_link) |

| **Notes** | | |
| --- | --- | --- |
| **Topic** | **Doc** | **Colab** |
| Clustering | [1-Notes \_ Unsupervised learning-Kmeans.pdf](https://drive.google.com/file/d/1jai7xnqFdmPxJHx6YE0iknVeykZe0BcQ/view?usp=drive_link) | [01-Kmeans.ipynb](https://colab.research.google.com/drive/12vVEu7pBag2nNy4weFtKYoj75umuVKtf?ouid=116348221161635752337&usp=drive_link) |
| [2-Notes \_ K-Means++.pdf](https://drive.google.com/file/d/1_3kreXxn9IYKPAGAXmLIy1JxAeb067-n/view?usp=drive_link) | [02-Notes-Kmeans++.ipynb](https://colab.research.google.com/drive/1KN1YSQAjN7nylKqNjB14cvTVoPrldGXQ?ouid=116348221161635752337&usp=drive_link) |
| [3-Notes \_ Hierarchical Clustering.pdf](https://drive.google.com/file/d/105zJ6N89A_RHwghyBlZof0VGFYH22KiY/view?usp=drive_link) | [03-Notes-Hierarchical.ipynb](https://colab.research.google.com/drive/1xmDgXqn8Qtad9xwvKWVNr9dQhiVTxlL1?ouid=116348221161635752337&usp=drive_link) |
| [4-Notes \_ GMM.pdf](https://drive.google.com/file/d/10VWm7DRNLBjGLYNjJNQA5WTwNXmOhcbD/view?usp=drive_link) | [04-GMM.ipynb](https://colab.research.google.com/drive/1gbnh6GRqW-moyiVyrapf3p38nBntXGRF?ouid=116348221161635752337&usp=drive_link) |
| Anomaly Detection | [5-Notes \_ Anomaly Detection-1.pdf](https://drive.google.com/file/d/1iPGn2WuwqH5A8bxHrEm4TXUOhj1RobWC/view?usp=drive_link) | [05-Notes-AnomalyDetection-1.ipynb](https://colab.research.google.com/drive/1O8dSwMxUAaGDAuRy3AqIVAOEv9mI-9jx?ouid=116348221161635752337&usp=drive_link) |
| [6-Notes \_ Anomaly Detection - 2.pdf](https://drive.google.com/file/d/19rWdCRp_j5wx4oTHPSIvX4xwQEjTz3Gv/view?usp=drive_link) | [06-Notes-AnomalyDetection-2.ipynb](https://colab.research.google.com/drive/1WKE4T9DWnYXJPTMwhipokWmenHy5w4MW?ouid=116348221161635752337&usp=drive_link) |
| High Dim viz | [7- Notes \_ High Dim Viz - PCA.pdf](https://drive.google.com/file/d/1z9IX7fahgKLc89eoKozcJHGo2rnD747E/view?usp=drive_link) | [07-Notes-PCA.ipynb](https://colab.research.google.com/drive/1XvfoQMiMPT2aku2QaRlNvKBF3kD2jN9u?usp=drive_link) |
| [8-Notes \_ t-SNE.pdf](https://drive.google.com/file/d/1oWIBT5dyQLpckAv_p1o3f8AaOEn0SmEP/view?usp=drive_link) | [08-Lecture-PCA-2+Tsne.ipynb](https://colab.research.google.com/drive/1-Of5i-f6SPqHRnCzApSA9e9NcYLNgGCD?usp=drive_link) |
| [9-Notes \_ UMAP.pdf](https://drive.google.com/file/d/12FxBATlGezhGRBkWUUztMCKjXCOydKAl/view?usp=drive_link) | [09-Notes-tSNE+UMAP.ipynb](https://colab.research.google.com/drive/1APDutZVsXfO2mXg85vIIv9FE7_Nt2Y_h?ouid=116348221161635752337&usp=drive_link) |