

07/10/2024

1. Introduction to CytoAutoCluster Project
2. Project dataset and basic concepts
3. Brief project introduction and goals.
4. Basic concepts and explanation of dataset

08/10/2024

1. Discussion about Datasets
2. Setting up Github and Python Environments
3. Analysing Datasets and finding flaws in it.
4. Basic concepts about what to look for in a dataset
5. Correct mistakes from previous dataset and setup coding environment

09/10/2024

1. Finalization about Dataset
2. Explanation of Dataset Features
3. Analysing Datasets and finding flaws in it.
4. Basic concepts about what to look for in a dataset
5. Sir explained the basic mistakes while collaborating on github

10/10/2024

1. Data Exploration
2. Refresher on pandas and numpy
3. Set up python environment and load dataset
4. Perform EDA analysis on the dataset.

11/10/2024

1. Complete Data Exploration
2. Performing EDA techniques
3. Correcting output graphs
4. Perform EDA analysis on the dataset.

14/10/2024

1. Complete Data Exploration

2. Performing EDA techniques
3. Correcting output graphs
4. Complete EDA analysis on the dataset.

15/10/2024

1. Complete Data Exploration
2. Performing EDA techniques
3. Correcting output graphs
4. Performed EDA analysis on the dataset

16/10/2024

1. Complete Data Exploration
2. Read research paper
3. Correcting output graphs
4. Reading research paper
5. Understanding the gist of research paper

17/10/2024

1. Complete Data Exploration
2. Implement pca and t-sne techniques
3. Basic concepts of pca and t-sne
4. How to implement pca and t-sne
5. Understanding the concept of pca and t-sne

18/10/2024

1. Complete Data Exploration
2. Implement pca and t-sne techniques
3. Discussed pca and t-sne outputs
4. Complete t-sne and discussed and compared the outputs with other classmates

21/10/2024

1. Complete Data Exploration
2. Implement pca and t-sne techniques
3. Completion of pca
4. Implementing 3D graph of PCA

22/10/2024

1. Finish pca and t-sne techniques
2. Started with Autoencoders
3. Completion of pca
4. Basics of autoencoders
5. Basics of autoencoders

23/10/2024

1. We found autoencoder models for tabular data
2. Autoencoders models for tabular data
3. Understood the use case of autoencoders in tabular data

24/10/2024

(No class)

25/10/2024

1. Understand basic topics of semi-supervised learning
2. Basic understanding of semi-supervised learning
3. Understand basic assumptions and basic terms used in ssl.