

UNIT 6. Week 6 - K-Means Clustering

This week's focus was on mastering Python libraries essential for the K-Means clustering algorithm and understanding how clustering algorithms address questions based on datasets.

I started by reading the recommended reading list.

While watching the Seminar titled "K-Means Clustering Tutorial," I gained valuable insights into the algorithm's inner workings and practical applications.

A significant highlight was our teamwork on Assignment 1. Through collaboration, we discussed the clustering process and experimented with different algorithms, ultimately choosing the most suitable approach and crafting a final report.

As the week ended, I uploaded our Team Project: Project Report titled "Airbnb Business Analysis Using Data Science Approach," showcasing our expertise in applying clustering techniques.

It was a stressful week as we all tackled two modules simultaneously, doubling the assignments.

The outcomes were rewarding. I can now confidently undertake clustering analysis on large datasets, achieving accurate results with Python libraries. This skill equips me to address various data-driven questions.

Additionally, I took on the role of verifying and collecting necessary files, ensuring a smooth submission for grading.