Clustering-1

Assignment Questions

PW SKILLS

Q1. What are the different types of clustering algorithms, and how do they differ in terms of their approach and underlying assumptions?

Q2.What is K-means clustering, and how does it work?

Q3. What are some advantages and limitations of K-means clustering compared to other clustering techniques?

Q4. How do you determine the optimal number of clusters in K-means clustering, and what are some common methods for doing so?

Q5. What are some applications of K-means clustering in real-world scenarios, and how has it been used to solve specific problems?

Q6. How do you interpret the output of a K-means clustering algorithm, and what insights can you derive from the resulting clusters?

Q7. What are some common challenges in implementing K-means clustering, and how can you address them?

Note: *Create your assignment in Jupyter notebook and upload it to GitHub & share that github repository link through your dashboard. Make sure the repository is public.*