KNN-3

Assignment Questions

PW SKILLS

Q1. Write a Python code to implement the KNN classifier algorithm on load_iris dataset in sklearn.datasets.

Q2. Write a Python code to implement the KNN regressor algorithm on load_boston dataset in sklearn.datasets.

Q3. Write a Python code snippet to find the optimal value of K for the KNN classifier algorithm using cross-validation on load_iris dataset in sklearn.datasets.

Q4. Implement the KNN regressor algorithm with feature scaling on load_boston dataset in sklearn.datasets.

Q5. Write a Python code snippet to implement the KNN classifier algorithm with weighted voting on load_iris dataset in sklearn.datasets.

Q6. Implement a function to standardise the features before applying KNN classifier.

Q7. Write a Python function to calculate the euclidean distance between two points.

Q8. Write a Python function to calculate the manhattan distance between two points.

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.*