Scratch Implementation (Assignment)

Implement KNN Regressor from Scratch

Implement a **K-Nearest Neighbours (KNN) Regressor from scratch** (without using scikit-learn).

Given a dataset of points with input features and continuous target values, your task is to:

1. Compute distances between data points

2. Find the *k* nearest neighbours (use Euclidean distance)

3. Predict the output as the **average of the neighbours' target values**

Use sample **Training Data**

X_train = [[1], [2], [3], [4], [5]]
y_train = [2, 4, 6, 8, 10]

Testing Data

X_test = [[1.5], [3.5], [6]]