Assignment

KNN for Regression – Raw & Python Calculations Guideline

age	Income(k)
21	60
20	55
22	60
22	61
23	65
21	62
25	65
30	70
31	68
22	?

Task 01:
Your objective is to implement the K-Nearest Neighbors (KNN) algorithm with k=3. Use this algorithm to predict the income value, with the given input value X=22.

Final Task: Generate an Excel spreadsheet for a provided dataset.

- Use Python programming to validate the KNN calculations.
- Additionally, compare the predicted outcomes of the KNN algorithm with Linear Regression results.

Please note that for validating your manual calculations, you should employ the entire dataset. There is no need to divide the dataset into training and testing sets.