1. KNN classification:

|  |  |
| --- | --- |
| K | Val Accuracy |
| 1 | 0.6538461538461539 |
| 3 | 0.5185185185185185 |
| 5 | 0.8181818181818182 |
| 10 | 0.7368421052631579 |
| 15 | 0.5714285714285714 |

For best value of k =5 , test\_data accuracy is **0.8260869565217391**

1. KNN regressor:

|  |  |
| --- | --- |
| K | Val Accuracy |
| 1 | 25416.948321812775 |
| 3 | 25877.22150128538 |
| 5 | 24789.42467178385 |
| 10 | 28560.325919552495 |
| 15 | 24673.07111696306 |

For best value of k = 15 , test\_data minimum error is **27223.9295085798**