**KNN Classification:**

|  |  |
| --- | --- |
| **K** | **Testing Accuracy** |
| 1 | 0.9894366197183099 |
| 3 | 0.9894366197183099 |
| 5 | 0.9894366197183099 |
| 10 | 0.9894366197183099 |
| 15 | 0.9894366197183099 |

Worked with 1% = 2848 of the data.

Train, Validation, Test = (2000, 564, 284)

**KNN Classification:**

|  |  |
| --- | --- |
| **K** | **Testing Accuracy** |
| 1 | 0.9988066825775657 |
| 3 | 0.9988066825775657 |
| 5 | 0.9988066825775657 |
| 10 | 0.9988066825775657 |
| 15 | 0.9988066825775657 |

Worked with 3% = 8544 of the data.

Train, Validation, Test = (6024, 1682, 838)

**KNN Regression:**

|  |  |
| --- | --- |
| **K** | **Testing Accuracy** |
| 1 | 4496570.207183208 |
| 3 | 2796766.3594027464 |
| 5 | 2522523.687021791 |
| 10 | 2543096.20331719 |
| 15 | 2510873.9364648904 |

Worked with 50% = 5000 of the data.

Train, Validation, Test = (3251, 510, 1239)