Main Results are:

Digital Recognition Data Set:

|  |  |
| --- | --- |
| Number of Neighbor | 1 |
| Weight Distribution | Inverse proportion with distance |
| Distance Metric | Manhattan |
| Training Time | 0.90 seconds |
| Accuracy on Training Set | 100% |
| Cross Validation | 98% |
| Accuracy on Testing Set | 97% |

Amazon Baby Review Data Set:

|  |  |
| --- | --- |
| Number of Neighbor | 1 |
| Weight Distribution | Inverse proportion with distance |
| Distance Metric | Manhattan |
| Training Time | 18 seconds |
| Accuracy on Training Set | 100% |
| Cross Validation | NA |
| Accuracy on Testing Set | 58% |