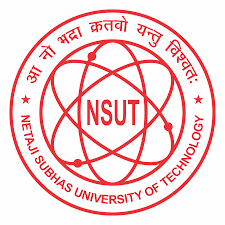
## NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY



MACHINE LEARNING



KNN QUIZ

ADARSH KUMAR

2020UCO1663

COE-3

## **LINKS TO FILES**

|  |  |
| --- | --- |
| QUIZ | [Quiz google form](https://forms.gle/LHK5cgCKWBP3ucXG9) |
| STUDENT RESPONSES | [Responses](https://docs.google.com/spreadsheets/d/1oeqmRIb7wg3L_YWOdspvTl6_79FZDoikPfcXp9k1yWQ/edit?resourcekey=undefined#gid=1392850196) |

## **QUESTIONS**

|  |  |
| --- | --- |
| **QUESTION** | **ANSWER** |
|  | Choose odd value of k to avoid any chances of the confusion. |
|  | overfitting, underfitting |
|  | Hamming distance |
|  | It can be used for continuous variables. |
|  | 1-NN ~ 2-NN ~ 3-NN |
|  | k =2 class predicted be red |
|  | I will increase the value of k |
|  | We need to standardize the data points considering it follows a gaussian pattern |
|  | we first normalize the real number variable then compute its Hamming distance |
|  | When you decrease the k the variance will increases and bias will decrease |
|  | 1, 2 and 3 |
|  | O(n\*d) |
|  | 3 |
|  | Zero, Endpoint |