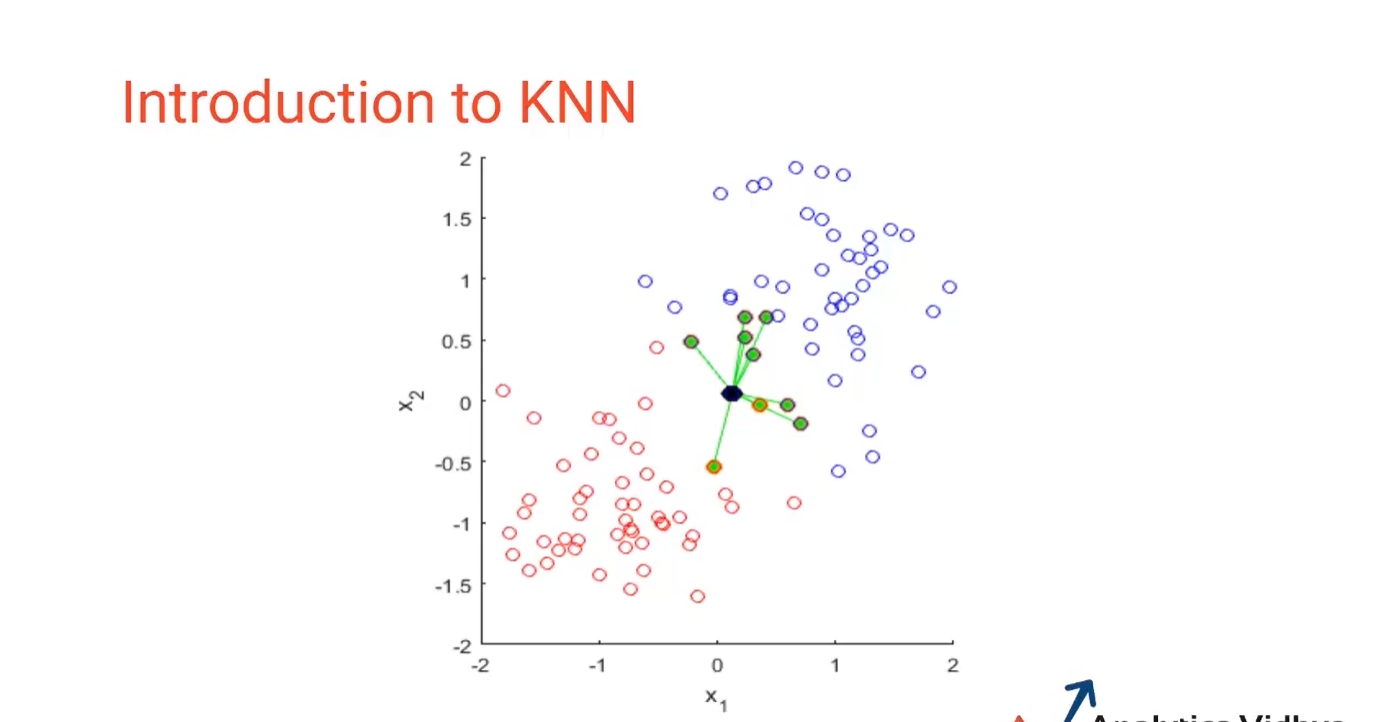
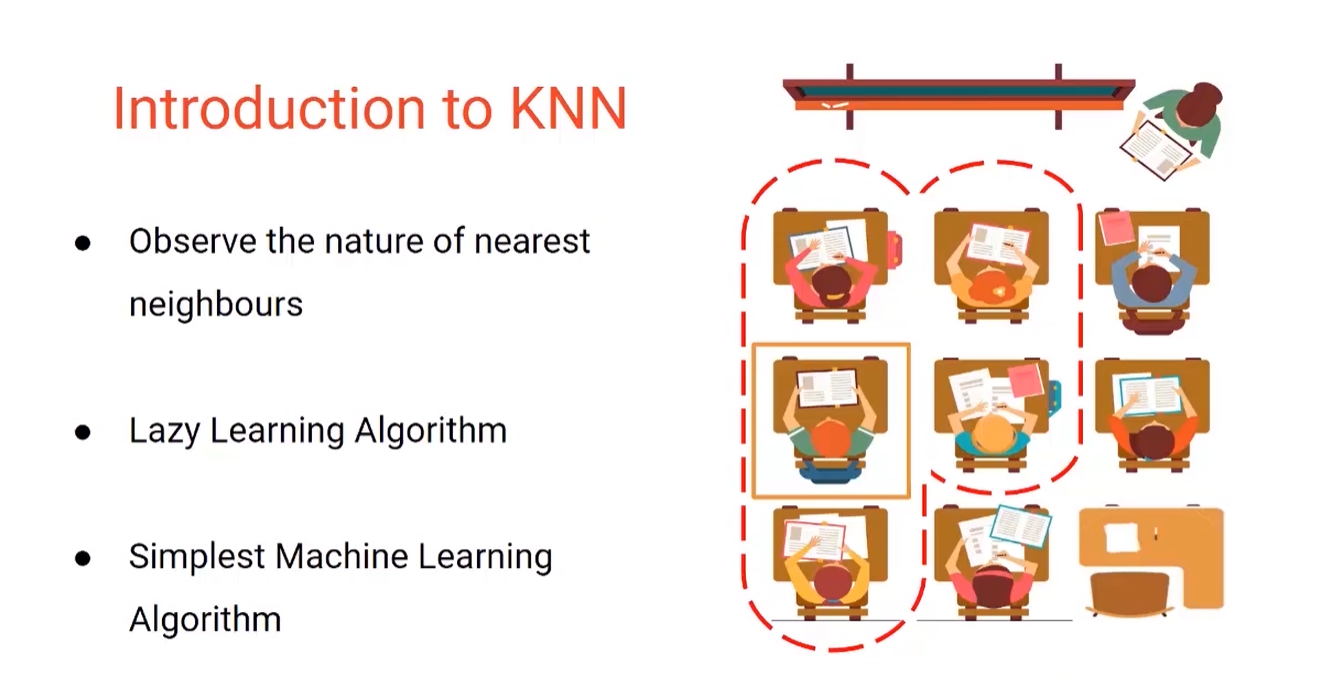
**K-Nearest Neighbors (KNN) Algorithm in Python and R**

Lazy learning algorithm







**Applications of KNN**

Enable fullscreen

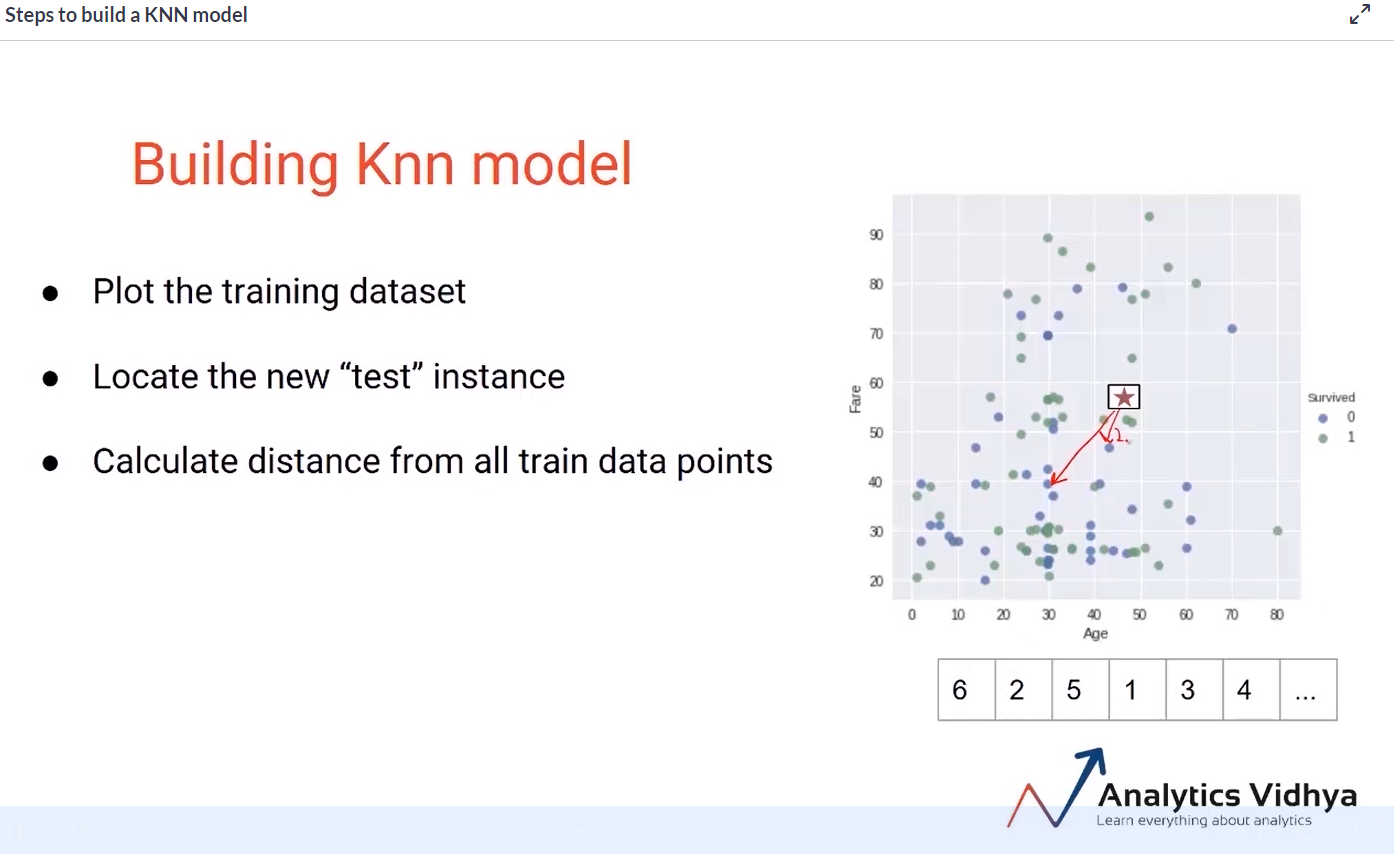
KNN can be used for both classification and regression techniques but it is generally used for classification problems.

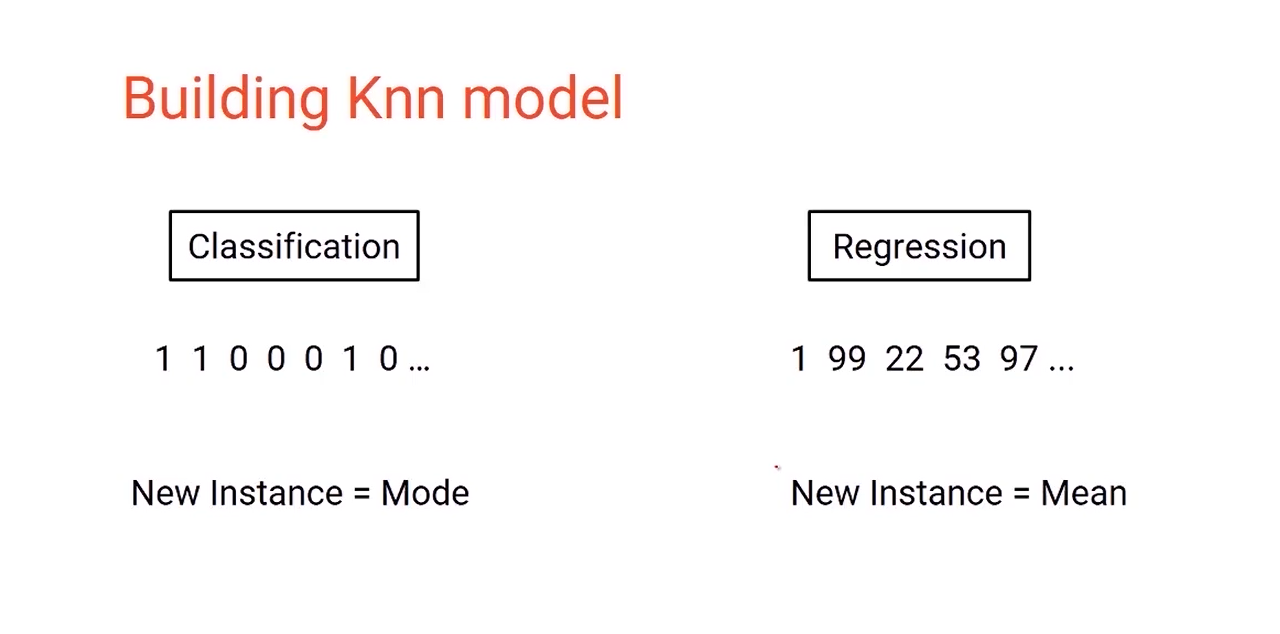
Examples of real-life use of KNN come in the fields of-

1. Microbiology(for classifying of cells),

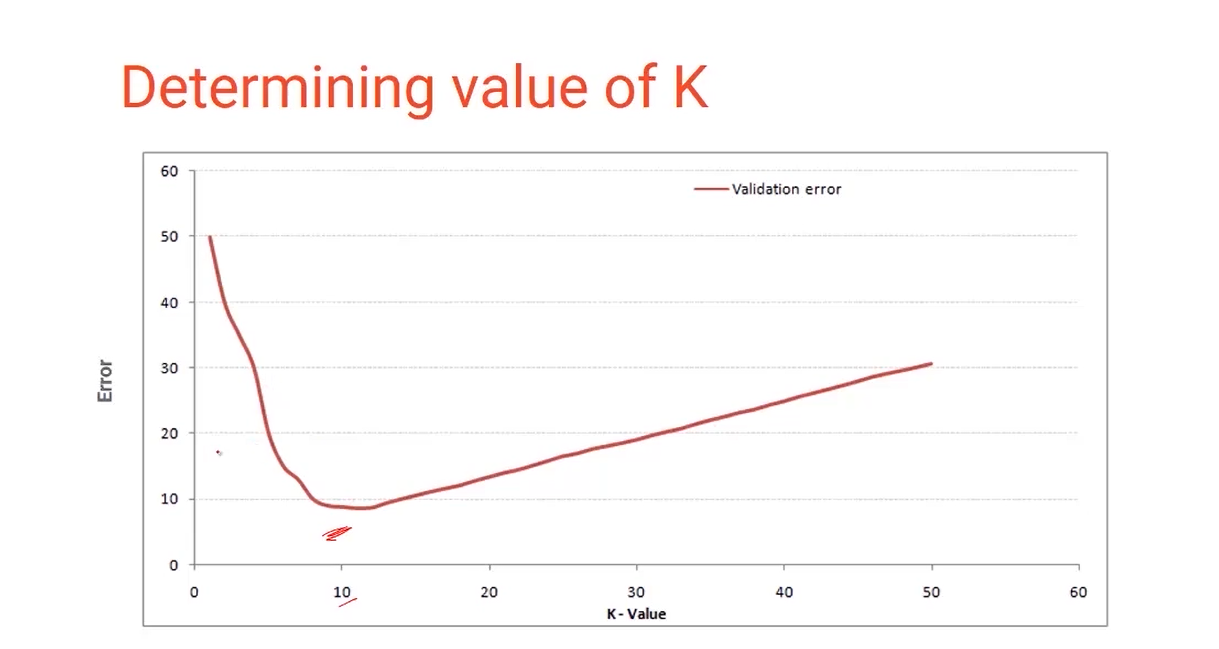
2. Marketing(for customer segmentation)

3. Credit Fraud Analytics and many more...

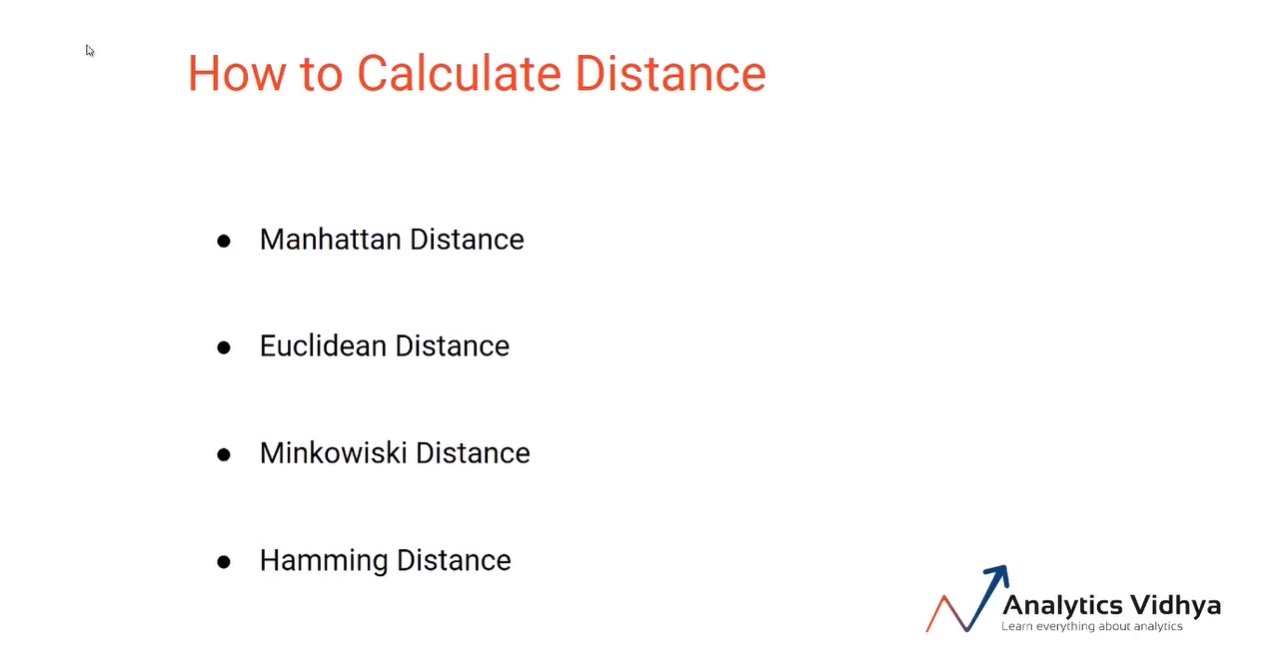


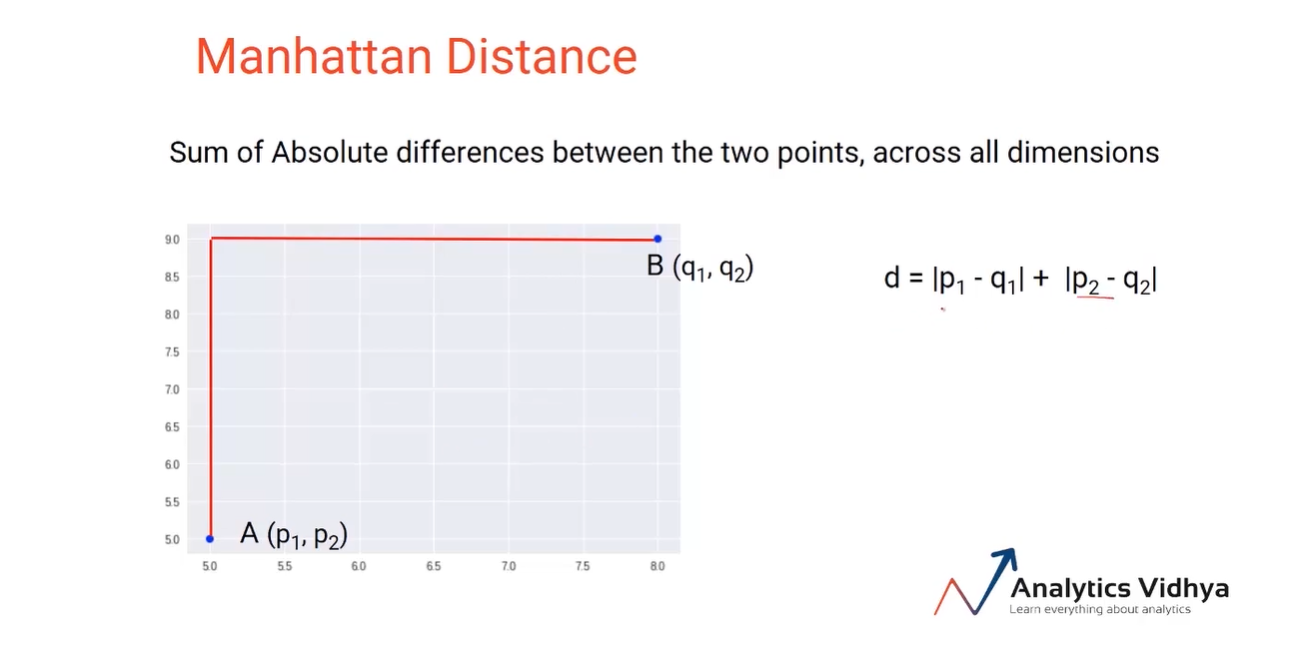


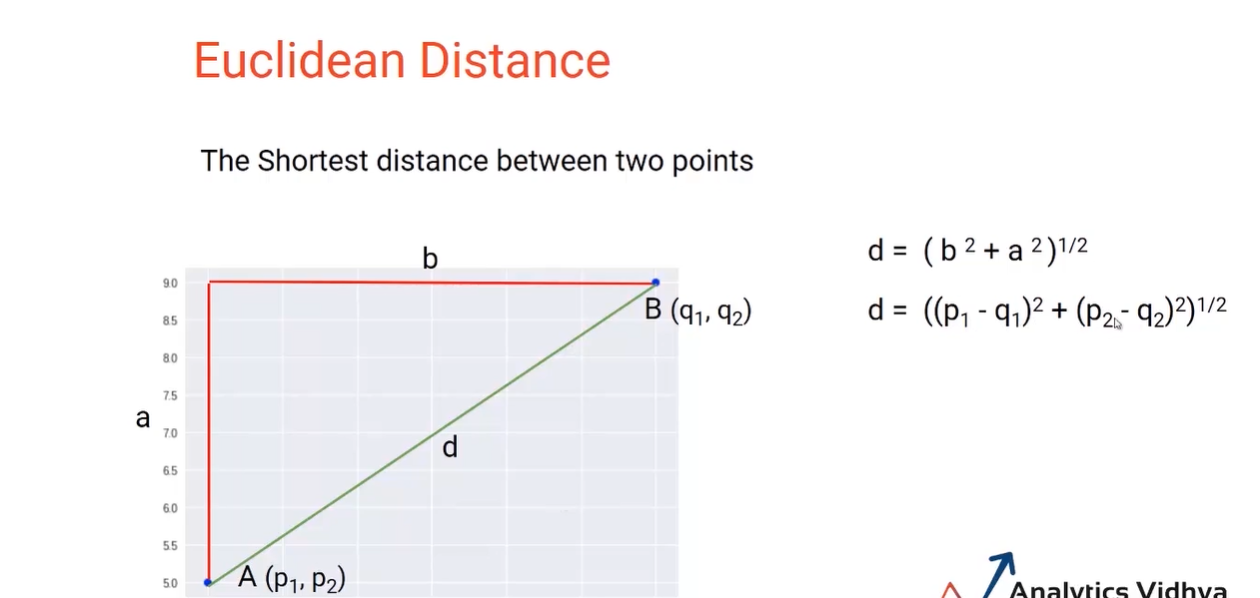
## Determining right value of k

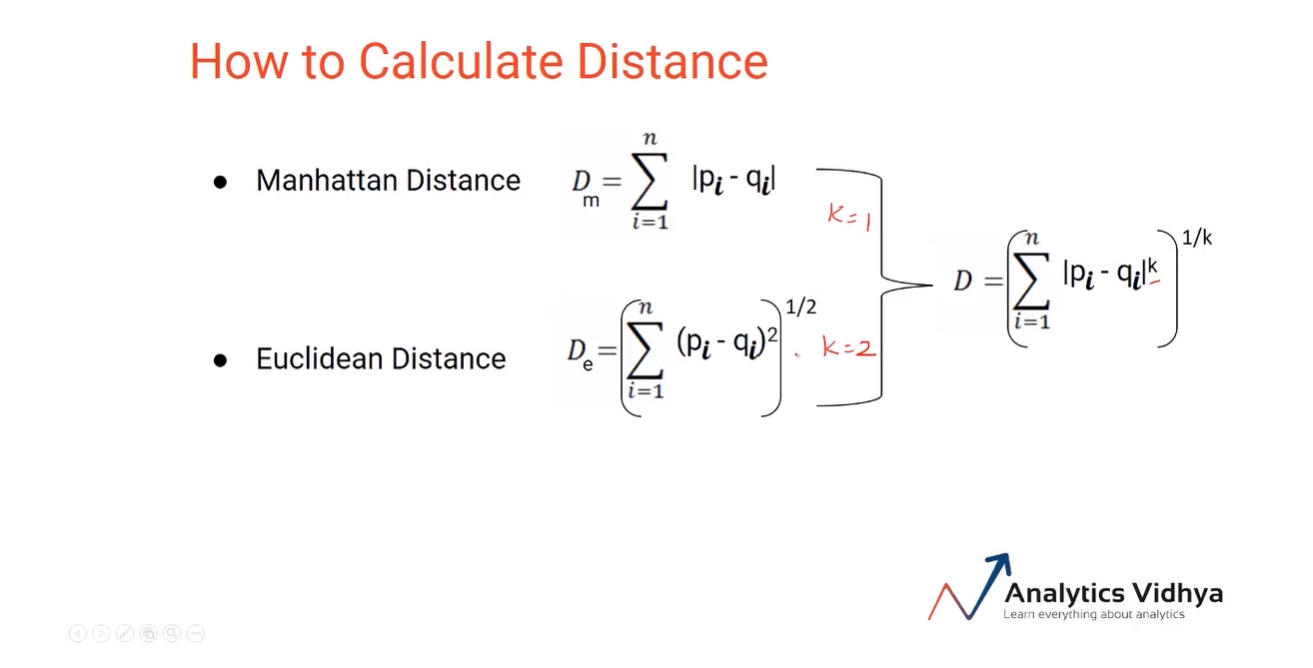


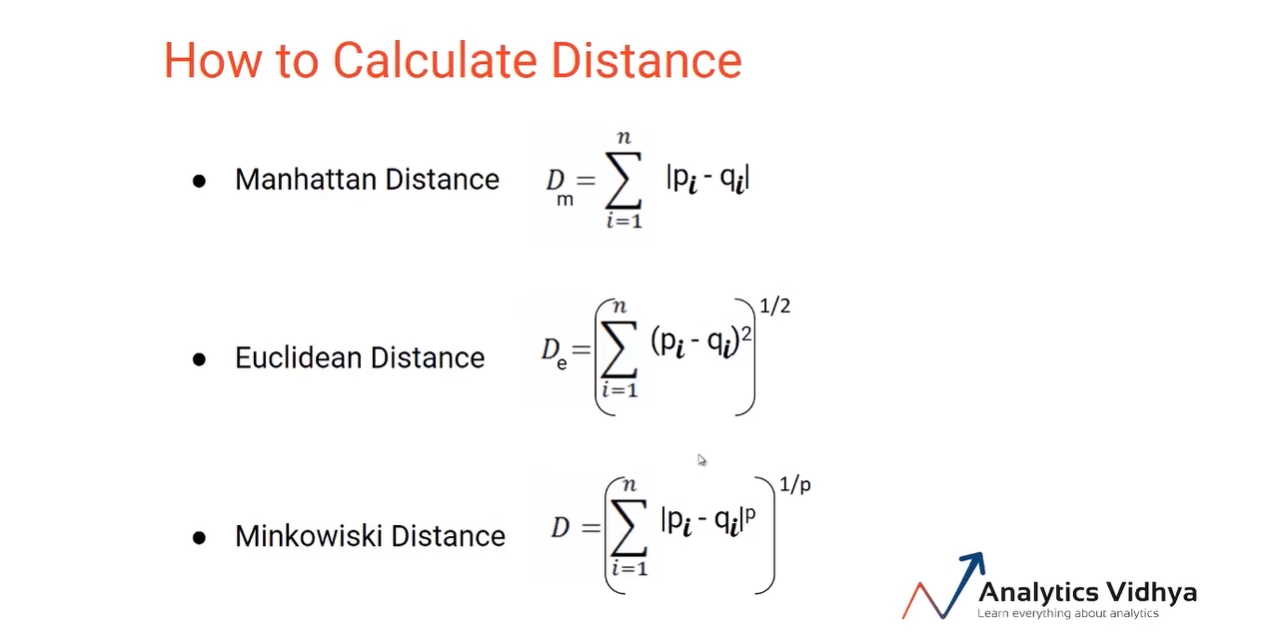
## How to Calculate distance?











## Issues with distance based algorithms

