

## Revision Questions:

1. Explain about K-Nearest Neighbors?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/k-nearest-neighbors-geometric-intuition-with-a-toy-example-1/>)
2. Failure cases of KNN?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/failure-cases-of-knn/>)
3. Define Distance measures: Euclidean(L2) , Manhattan(L1), Minkowski, Hamming?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/distance-measures-euclidean2-manhattan1-minkowski-hamming/>)
4. What is Cosine Distance & Cosine Similarity?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/cosine-distance-cosine-similarity/>)
5. How to measure the effectiveness of k-NN?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/how-to-measure-the-effectiveness-of-k-nn/>)
6. Limitations of KNN?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/knn-limitations-1/>)
7. How to handle Overfitting and Underfitting in KNN?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/overfitting-and-underfitting/>)
8. Need for Cross validation?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/need-for-cross-validation/>)
9. What is K-fold cross validation?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/k-fold-cross-validation/>)
10. What is Time based splitting?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/time-based-splitting/>)
11. Explain k-NN for regression?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/k-nn-for-regression/>)
12. Weighted k-NN ?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/weighted-k-nn/>)
13. How to build a kd-tree?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/how-to-build-a-kd-tree/>)
14. Find nearest neighbors using kd-tree?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/find-nearest-neighbours-using-kd-tree/>)
15. What is Locality sensitive Hashing (LSH)?(
16. Hashing vs LSH?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/hashing-vs-lsh/>)
17. LSH for cosine similarity?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/lsh-for-cosine-similarity/>)
18. LSH for euclidean distance?(<https://www.appliedaicourse.com/course/applied-ai-course-online/lessons/lsh-for-euclidean-distance/>)