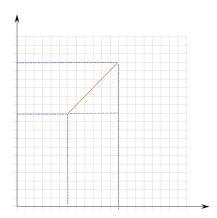
1) Explain about Supervised Machine Learning?

2) Explain about K-Nearest Neighbours?

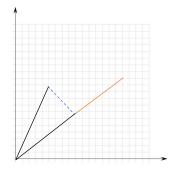
3) Failure cases of KNN?

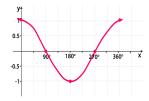
 $4) \quad Define\ Distance\ measures:\ Euclidean(L2)\ ,\ Manhattan(L1),\ Minkowski,\ \ Hamming?$



Notes on KNN:					

5) What is Cosine Distance & Cosine Similarity?





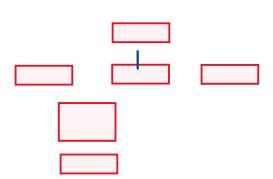
6)	How to measure the effectiveness of k-NN?
	>

7) Limitations of KNN?

Notes	Ωn	KNN	

8) How to handle Overfitting and Underfitting in KNN?

9) Need for Cross validation?



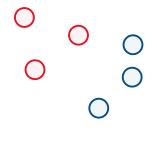
10) What is K-fold cross validation?



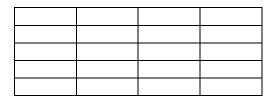
Fold	Train	CV	accuracy
K1	D1, D2, D3	D4	A4
K2	D1, D2, D4	D3	A3
K3	D1, D3, D4	D2	A2
K4	D2, D3, D4	D1	A1

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11) What is Time ba	sed splitting?	·
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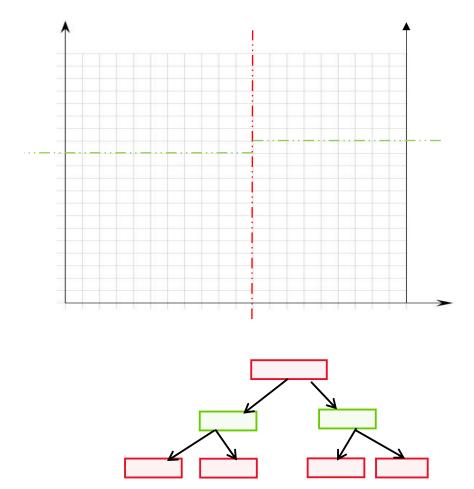
13) What is Weighted k-NN?







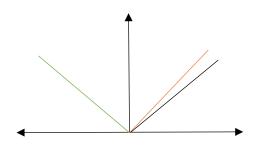
14) How to build a kd-tree?

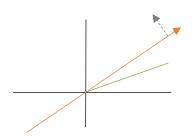


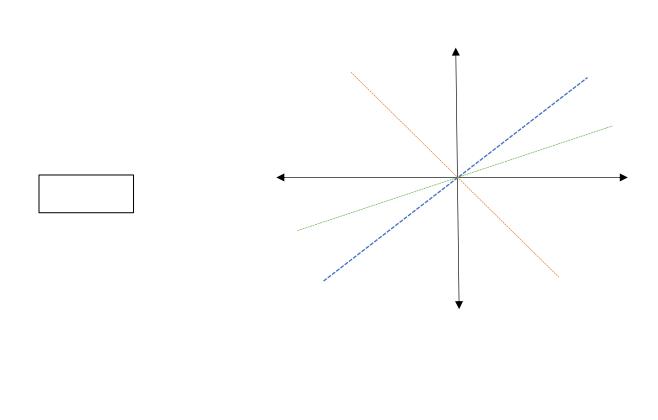
15) What is Locality sensitive Hashing (LSH)? (Hashing vs LSH?



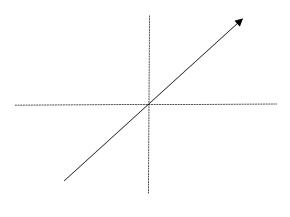
16) LSH for cosine similarity?







17) LSH for Euclidean distance?



Notes on KN	N :			
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