Applied Data Science - Quiz 4

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KNN Algorithm can be used for *

◉ Only for Classification

◯ Only for Regression

◯ Both Classification and Regression

◯ None of the Mentioned

The goal of clustering a set of data *
is to

◉ divide them into groups of data that are near each other

◯ choose the best data from the set

◯ determine the nearest neighbors of each of the data

The most commonly used measure *
of similarity is the _____ or its square.

○ euclidean distance

○ city-block distance

○ Chebychev's distance

○ Manhattan distance

Which of the following is required by *
K-means clustering?

○ defined distance metric

◉ number of clusters

○ initial guess as to cluster centroids

○ All of the above

which of the following is an ibm cloud service *

○ IBM watson

◉ IBM NODRED

○ AUTO-AI

○ All of the above

Which cross validation method use * for hyperparameter tuning in machine learning

○ Grid-searchcv

○ Randomisedsearchcv

◉ BOTH

○ None of the above

Techniques used for handling imbalanced dataset *

○ SMOTE

○ Option OVERSAMPLING

◉ UNDERSAMPLING

○ All of the above

Flask is a web development framework created in _____ language *

○ C

◉ Python

○ Java

○ Javascript

What is WSGI? *

- ◉ Web Server Gateway Interface
- ○ Web Service Gateway Interface
- ○ Website Server Gateway Interface
- ○ Web Static Gateway Interface

What is the purpose of the Kernel Trick? *

- ○ To transform the problem from supervised to unsupervised learning.
- ◉ To transform the problem from regression to classification
- ○ To transform the data from nonlinearly separable to linearly separable
- ○ To transform the problem from supervised to unsupervised learning