

# 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
- ☐ predict the class of 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

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