* Which are the two types of supervised learning techniques?

Classification and Regression

* What is Data Science

Data Science is an interdisciplinary field that used scientific methods, processes, algorithms and systems to extract knowledge and insights from noisy, structured and unstructured data, and apply knowledge and actionable insights from data across a broad range of application domains.

* How is DS different from other traditional programming languages?

In traditional programming paradigms, we used to analyze the input, figure out the expected output and write code, which contains rules and statement needed to transform the provided input into the expected output.

Data science shifts this process little bit. In it, we need access to large volumes of data that contain the necessary inputs and their mappings to the expected outputs. Then we use data scienced algorithms which use mathematical analysis to generate rules to map the given inputs to outputs.

* How can we handle missing data?
* Why is python used for data cleaning in DS?
* What are popular libraries used in data science?
* What is difference between supervised learning and unsupervised learning?
* What is supervised learning? Labellled data
* What is unsupervised learning ? unlabellled data
* What is reinforcememt learning
* Categories of unsupervised learning
* How many clustering types ?
* Challenges of unsupervised learning
* What are applications for unsupervised learning
* What is supervised learning?

It if defined as label dataset to train dataset using algorithms that to classify data to predict outcomes accuracy.

* What is cross validation process?

Cross validation is a resampling procedure used to evaluate machine learning model on a limited data sample.

* What is K-fold cross validation?

This procedure has a single parameter called as K that refers to the number of groups in which sample data is split into.

* How supervised learninig works?

Supervised learnming used training set teach model to get desired output. Which allow the model to learn over time. The algorithm measures its accuracy through the loss function, adjusting until the error has been sufficiently minimized.

* Types of supervised learning?

2 types

Classification

Regression

* What is classification?

Classification use an algorithm to accurately test data into specific categories.

* What is regression?

Regression used to understand the relationship between dependent and independent variable.

* Algorithm in classification?

1. Linear classifier
2. SVM(support vector machine)
3. KNN
4. Decision Tree
5. Random forest

* Algorithm in regression?

1. Linear regression
2. Logistic regression
3. Polynomial regression
4. Lasso-ridge

* Which algorithm are used for supervised learning?

1. Blackbox techniques
2. Shallow machine learning
3. Classification
4. Ensemble techniques
5. regression

* What is naïve bayes?