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| 1. What is Delimited Files? Explain with Python Code |
| 1. Discuss the benefits of using APIs for accessing data, services, or functionality in Python applications. |
| 1. What is Manipulating of Data? Explain the working for the Rescaling |
| 1. what is gradient descent algorithm and discuss its various types. |
| 1. What is Machine Leaning? Explain the applications of Machine Learning, Discuss the any four main challenges of machine learning |
| 1. What is model in Machine Learning? How over fitting and Under fitting handle in Machine learning model for training data and validation? Explain with Python programming |
| 1. Explain the Concept of overfitting of training data and under fitting of training data |
| 1. With Python Programming explain the concept for identifying Leukaemia in medicine with Correctness using Machine Learning Model |
| 1. What is k Nearest Neighbour Model? Explain its significance in Machine Leaning |
| 1. With the example of Iris Data set how K Nearest Neighbour Model is developed |
| 1. Bring out the difference between Simple Linear Regression and Multiple Linear Regression with respect to Modelling and Goodness fit test |
| 1. What is Logistic Regression? With Python coding explain its function |
| 1. How Linear Regression is done using Gradient Descent Model? Explain it with Python coding |
| 1. What is Maximum Likelihood Estimation? How is significate for sampling the data |
| 1. Define digression the Boot strap? How it impacts on standard Error |
| 1. Define the significance of regularization with Python coding explain in Multiple regression |
| 1. Giv en 150 apples identify the significance of using SVM and Logistic regression modelling for this, Bring out the difference for the same. Include Classes of Apple for the type Gala, HoneyCrisp, Jonagold 2. Developing a machine learning model using Support Vector Machines (SVM) to classify patients as either having a specific disease or being healthy based on their medical records. Describe the steps you would take to build and evaluate this SVM model. Specifically, address the following points:   **Data Preparation:** How would you preprocess the medical data, which includes both numerical and categorical features, before feeding it into the SVM model?  **Feature Extraction:** What techniques would you use to handle and convert categorical features and ensure all features are suitable for an SVM?  **Model Training:** How would you determine the best kernel function for your SVM? Explain the considerations and steps you would take to select the most appropriate kernel.  **Model Evaluation:** What metrics would you use to evaluate the performance of your SVM model? Explain why these metrics are suitable for this medical classification problem.   1. Bright out the difference between Linear Regression and Logistic Regression in Machine Learning 2. Explain Support Vector Machine with python program 3. Explain Dump Spam Filter and Sophisticated Spam Filter with implementation of Python Coding 4. What is bias fitting tradeoff? With Python programming explain how it is working with Overfitting and Under fitting? |
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