

VEC ML Assignment 3

Problem Statement:

Your task is to develop a model to classify Iris flower species (Iris setosa, Iris virginica, and Iris versicolor) based on their sepal and petal measurements using the Iris dataset, which contains 150 samples with four features: sepal length, sepal width, petal length, and petal width. The dataset can be accessed here

<https://www.kaggle.com/datasets/saurabh00007/iriscsv>

Tasks :

1. Begin by loading and exploring the data to understand its structure, visualize distributions, and check for any missing values, handling them appropriately.
2. Next, identify important features for classification through visualizations and analysis.
3. Split the dataset into training and testing sets, Build the Model.
Evaluate the model's performance on the testing set using accuracy metrics.