Applied Machine Learning Homework 0

1. There are 4 attributes features/attributes per sample. There are 3 different species (Iris Setosa, Iris Versicolour, and Iris Virginica) and there’s 50 samples per each specie so a total of 150 instances.
2. Figure out how to parse the dataset you downloaded. Load the samples into an N × p array, where N is the number of samples and p is the number of attributes per sample. Additionally, create a N -dimensional vector containing each sample’s label (species).

A screenshot of a computer

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1. I plotted all the graphs using this snippet of code but replacing plt.scatter(sepal\_length, sepal\_width, color) with the other attribute arrays (e.g. plt.scatter(sepal\_length, petal\_length, color). I also want to clarify that I am plotting the training data.A screenshot of a computer program

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Sepal Length vs. Sepal Width

A diagram of different colored dots

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Sepal Length vs. Petal Length

A graph showing different colored dots

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Sepal Length vs. Petal Width

A graph showing different colored dots

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Sepal Width vs. Petal Length

A graph with different colored dots

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Sepal Width vs. Petal Width

A graph of different colored dots

Description automatically generated

Petal Length vs. Petal Width

A graph showing different colored dots

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