**Working on the Iris DataSet – Training & Predictions**

1. Split the Data into features (X) labels (Y)

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| X= data.drop(columns=['Id','Species'])  Y=data['Species'] |

1. Printing the values of X & Y

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| print (X.head)  print(Y.head)  0 Iris-setosa  1 Iris-setosa  2 Iris-setosa  3 Iris-setosa  4 Iris-setosa  Name: Species, dtype: object |

1. Create a Machine Learning Model (initialize the model with default settings)

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| from sklearn.linear\_model import LogisticRegression  ml\_model=LogisticRegression() |

1. Training the model on features X with corresponding labels Y

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| ml\_model.fit(X.values, Y) |

1. Test the prediction using the trained model

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| ml\_predictions=ml\_model.predict([[6.4,2.5,0.5,0.1]]) |

1. Print the predictions

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| print(ml\_predictions) |