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Text

Description automatically generated

1. List the input features to the Machine Learning model.

**Length, width, sepals and petals of flowers that we want to identify**

1. List the output classes of the object.

**Iris Setosa, Iris Versicolour, Iris Virginica**

1. Describe how we might train the Machine Learning model.

**Have a large set of identified Iris flower data, and get average length, width, petals and sepals of each species. Have another large set of unidentified Iris flower data and try to identify them through comparing each of the input with calculated average, get rid of the mistake identification and update average data if the identification is successful.**

1. Because no Machine Learning model can classify objects perfectly, describe how we might measure how accurate various ML models solved the problem.

**Saying that if we have 10000 (the more data you have the more accurate) identified Iris flowers data, and feed the data to the machine learning model, if**

**the model analyzed result is matched with flower’s actual species, then count towards to successful counter, after all flowers are identified, calculate the accuracy based on how many flowers are successfully identified among the 10000 flowers. Then repeat the process several times and calculate the average accuracy.**