Intro to Data + R Workshop

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Sky School Research Apprenticeship Program
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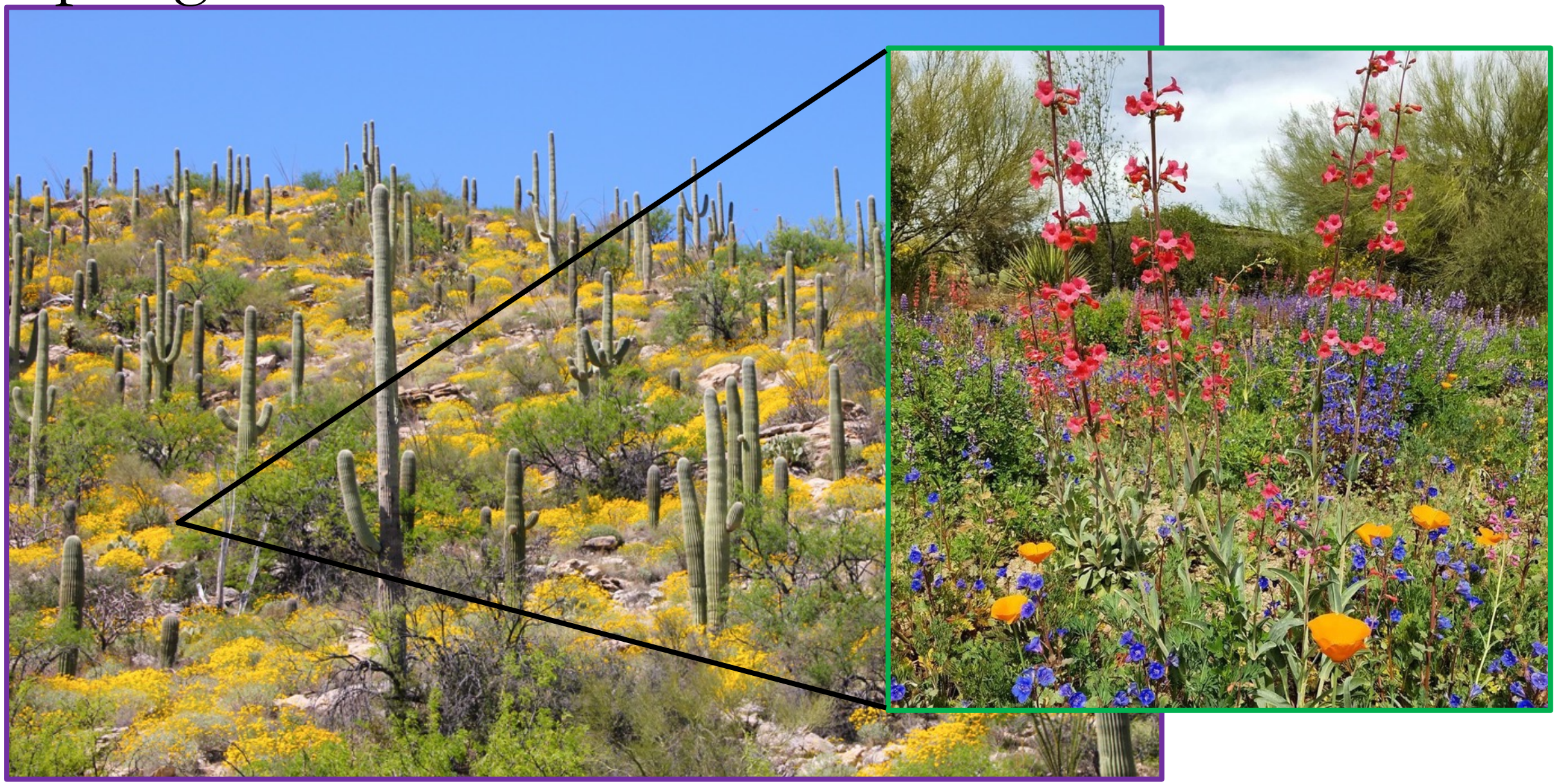
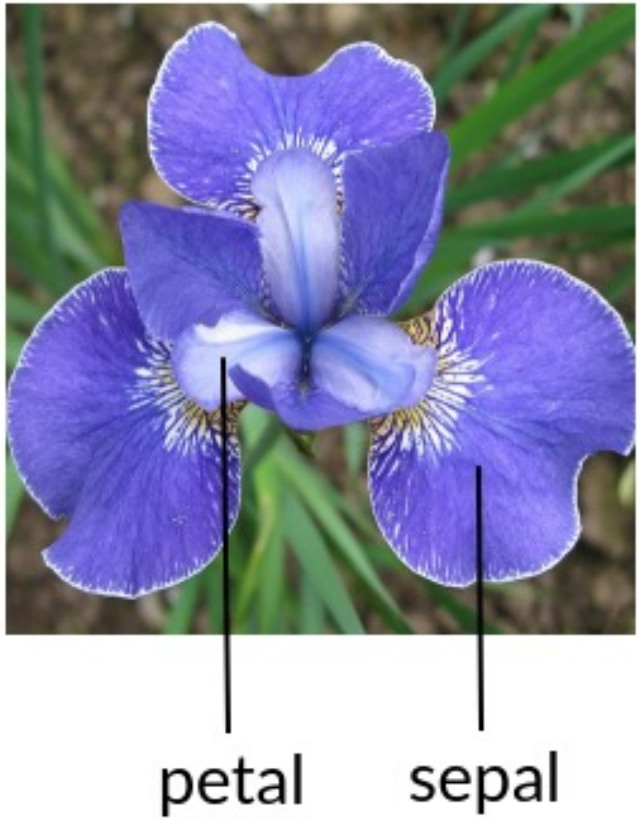
Spring in the Sonoran Desert



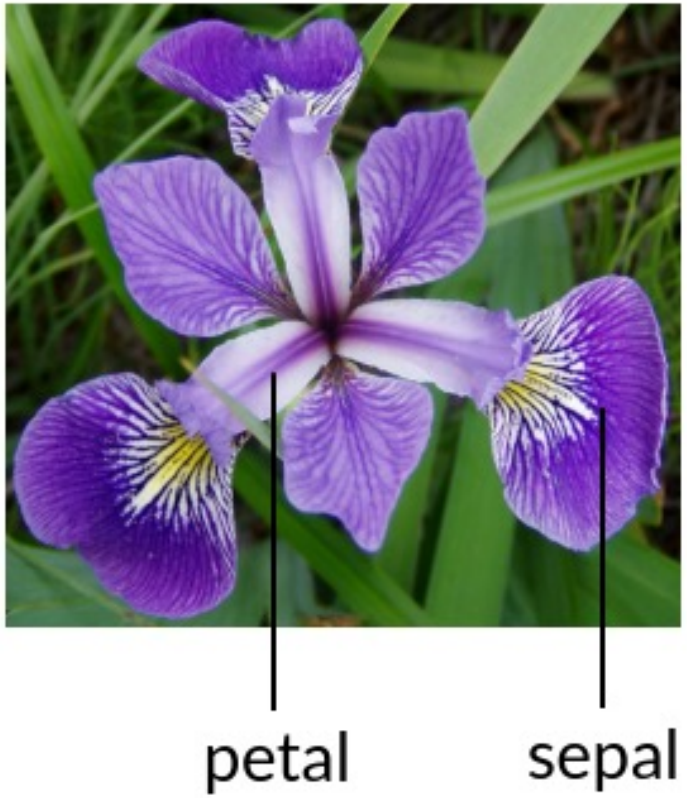
Field day!

Let's go make **observations**…on flowers!

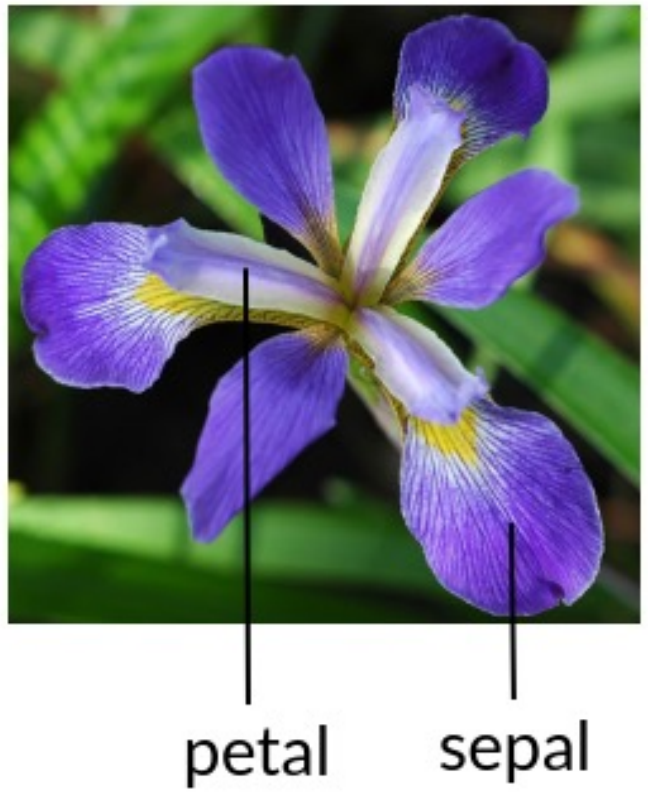
Iris setosa



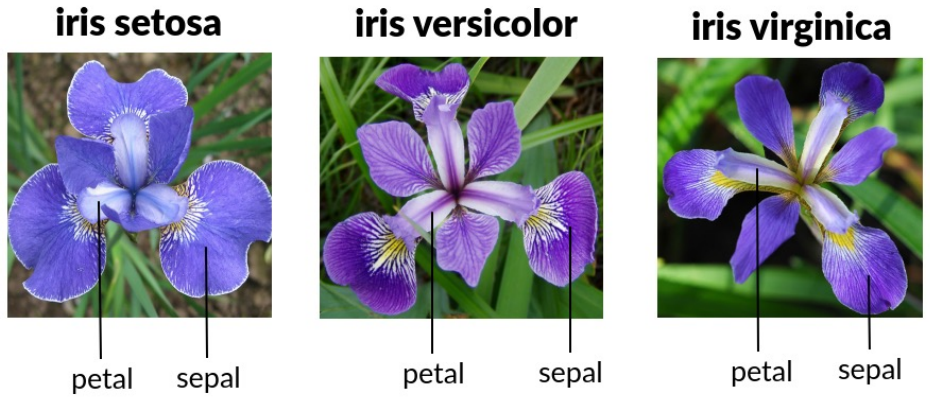
Iris versicolor



Iris virginica

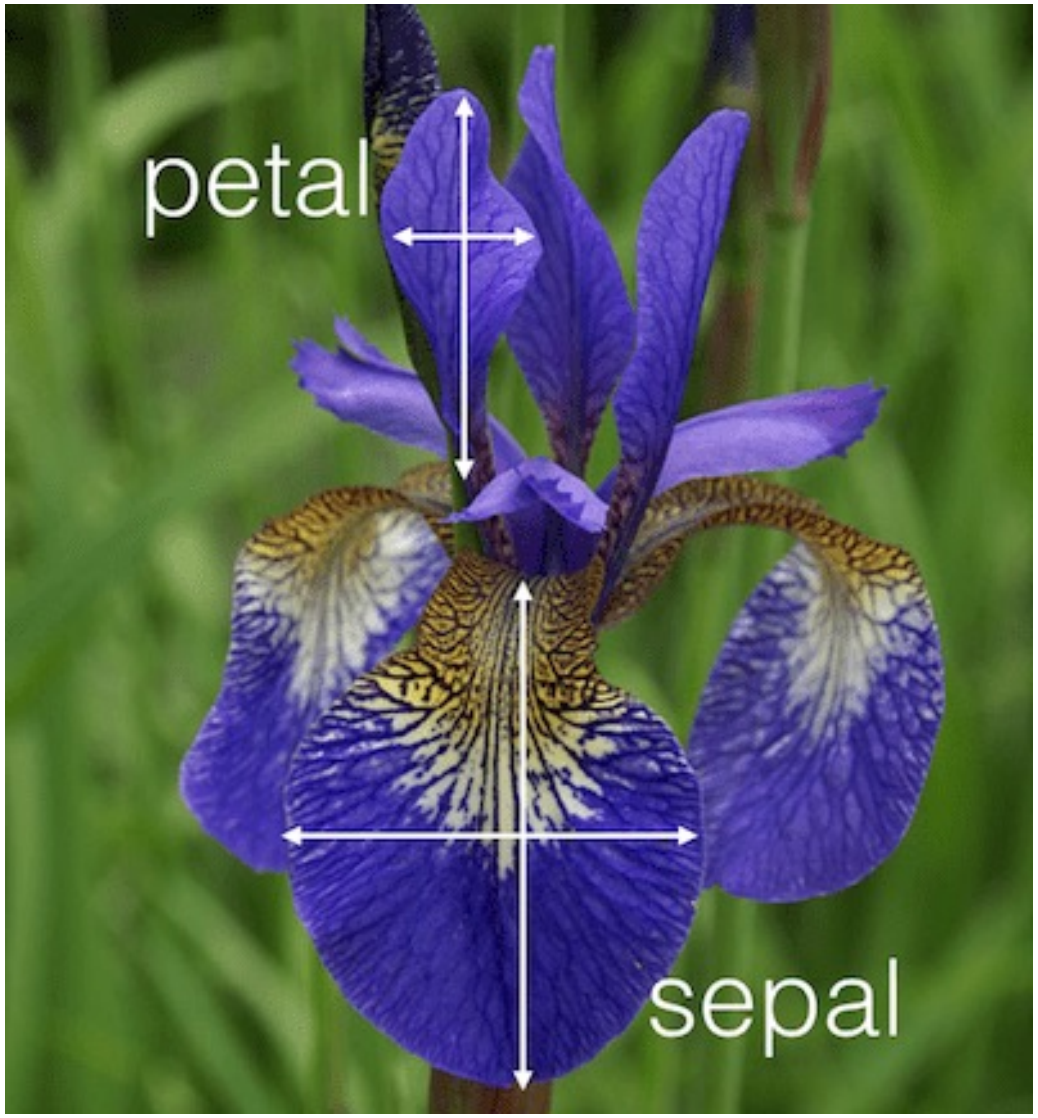


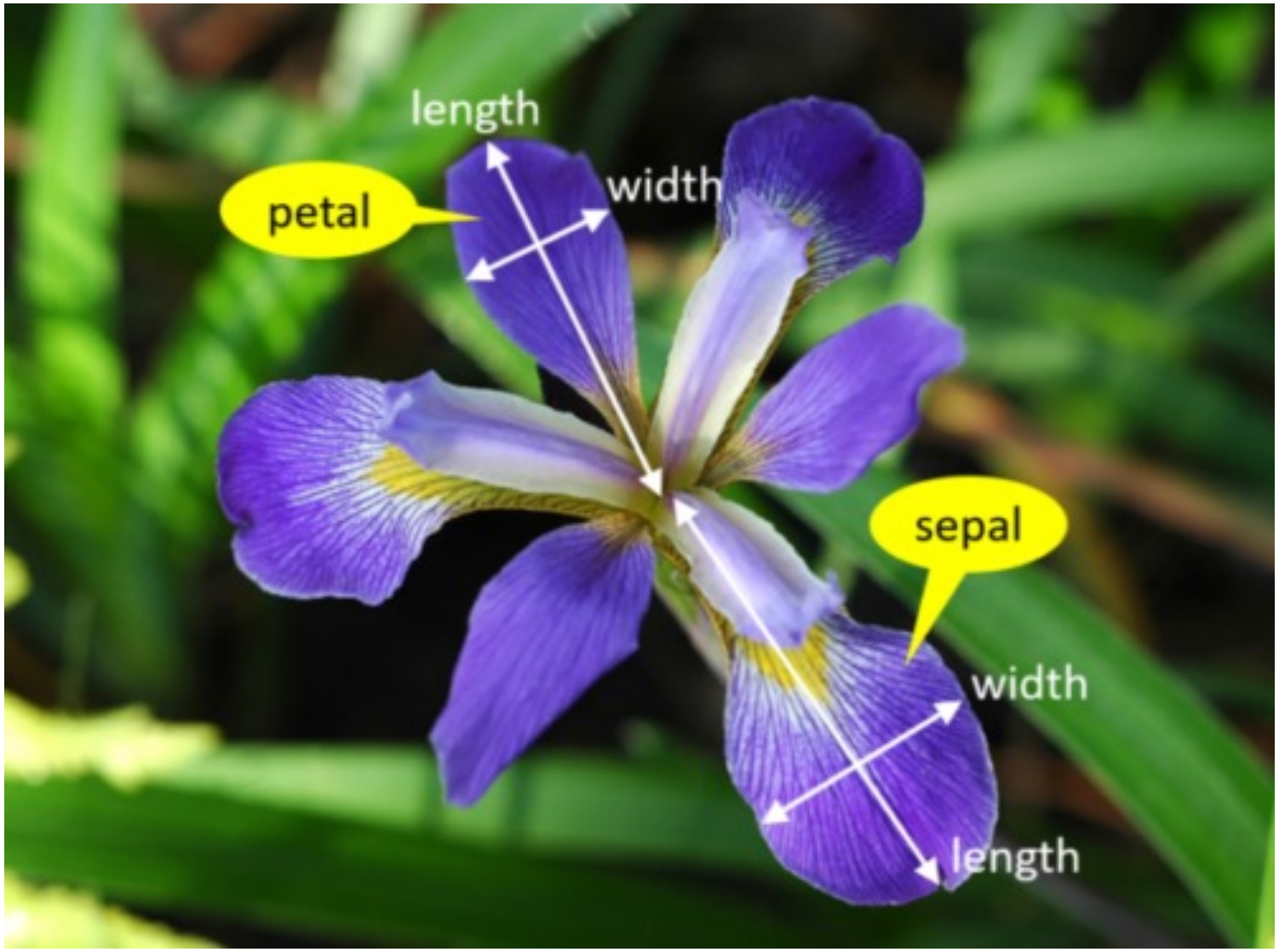
https://machinelearninghd.com/iris-dataset-uci-machine-learning-repository-project/

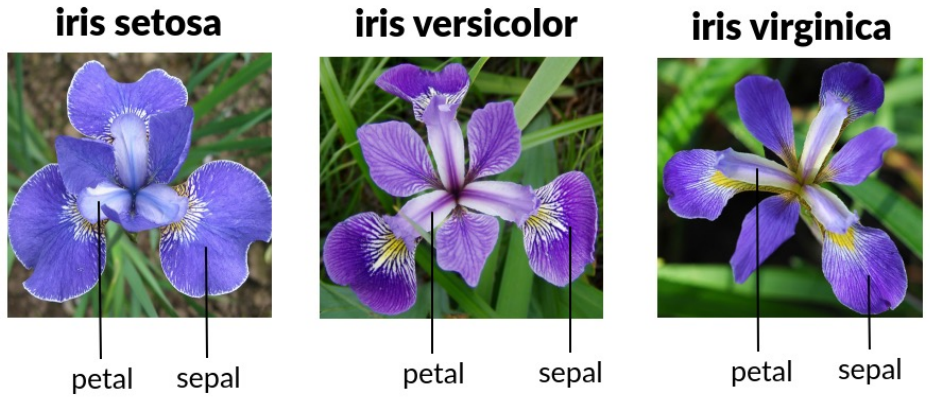


Let's ask some **research questions**!

1. How can we tell these species apart?
2. What traits can we use to do this?
3. Are there differences in each species' flower measurements?


petal
sepal


length
width
petal
sepal
width
length



Let's form **hypotheses**!

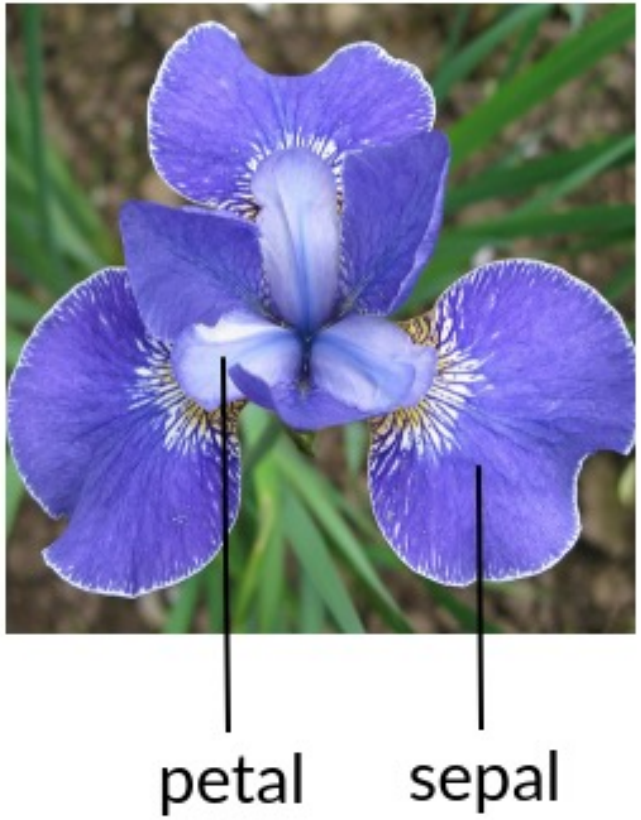
H1. Each species has different petal lengths (avg.)

H2. Each species has different sepal lengths (avg.)

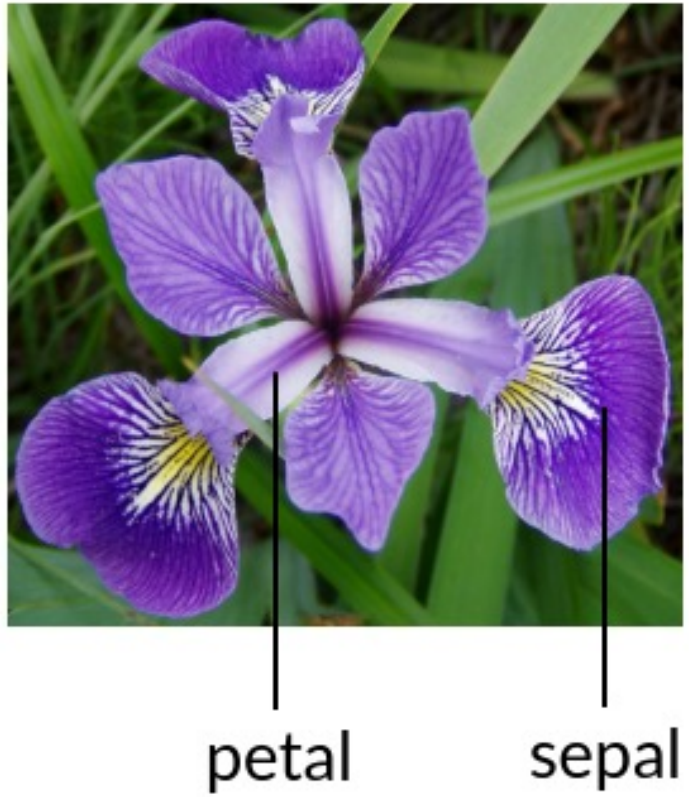
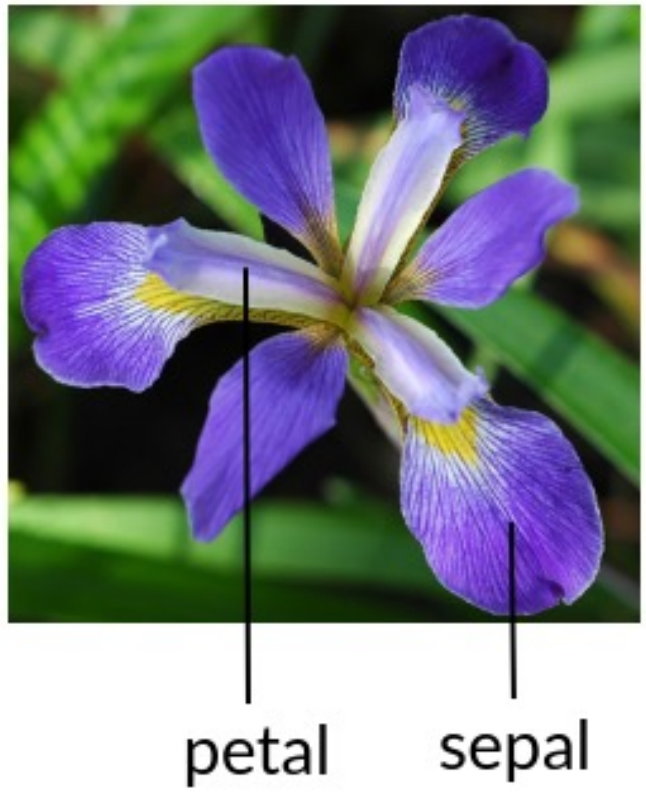
H0. There are no differences in flower traits between species.

Let's go **collect data**!

Iris setosa



Iris versicolor



Iris virginica