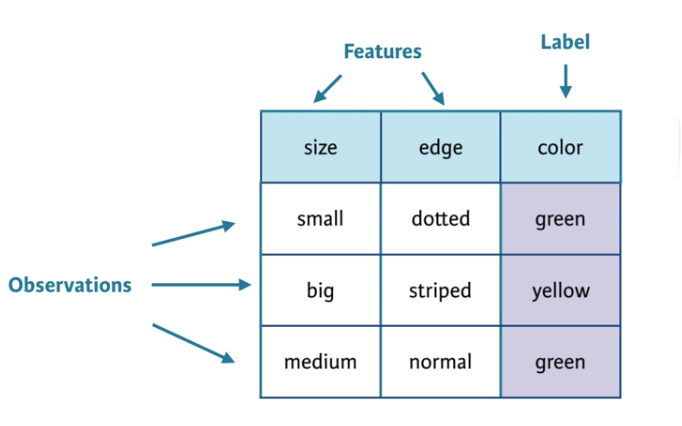
Introduction to Machine Learning

**Goals**

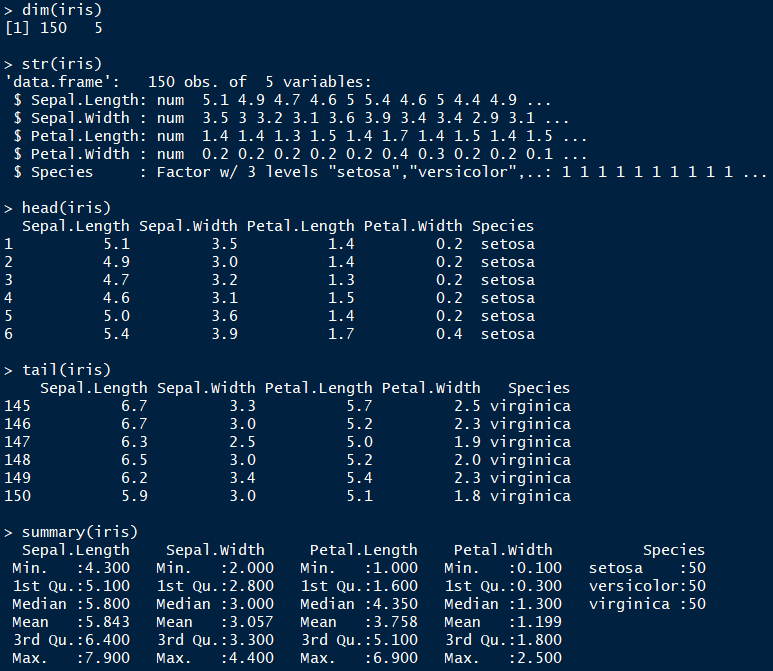
* Identify a machine learning problem
* Use basic machine learning techniques
* Think about your data and results

***What is machine learning?***

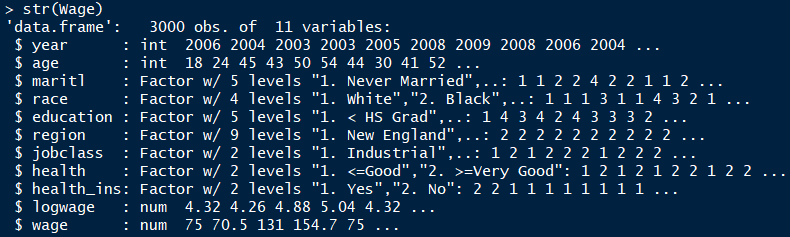
* Construct and use algorithms that learn from data
* A machine improves its performance when it receives more information
* Information or experience is gained from observing previous solutions

This dataframe to the left is an example of a classification problem. When a new observation comes in with a set of given features (input), the machine learning problem, in this case, would be to predict the output (label) by pushing the input through an estimated function.

**Understand your data…**



***A Basic Prediction Model***

The Wage dataset is in the ISLR package.

Linear regression can be viewed as a machine learning algorithm…

