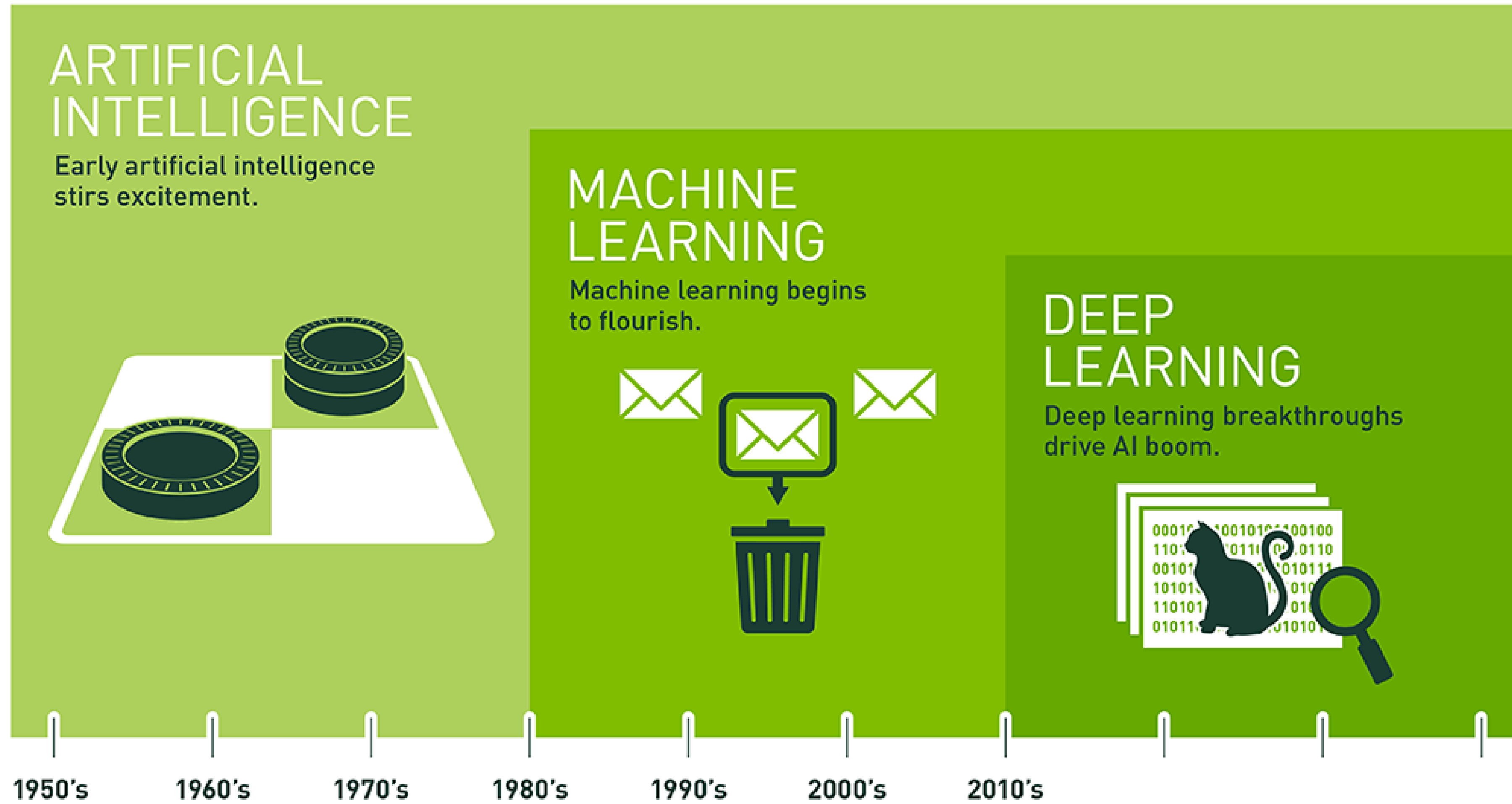
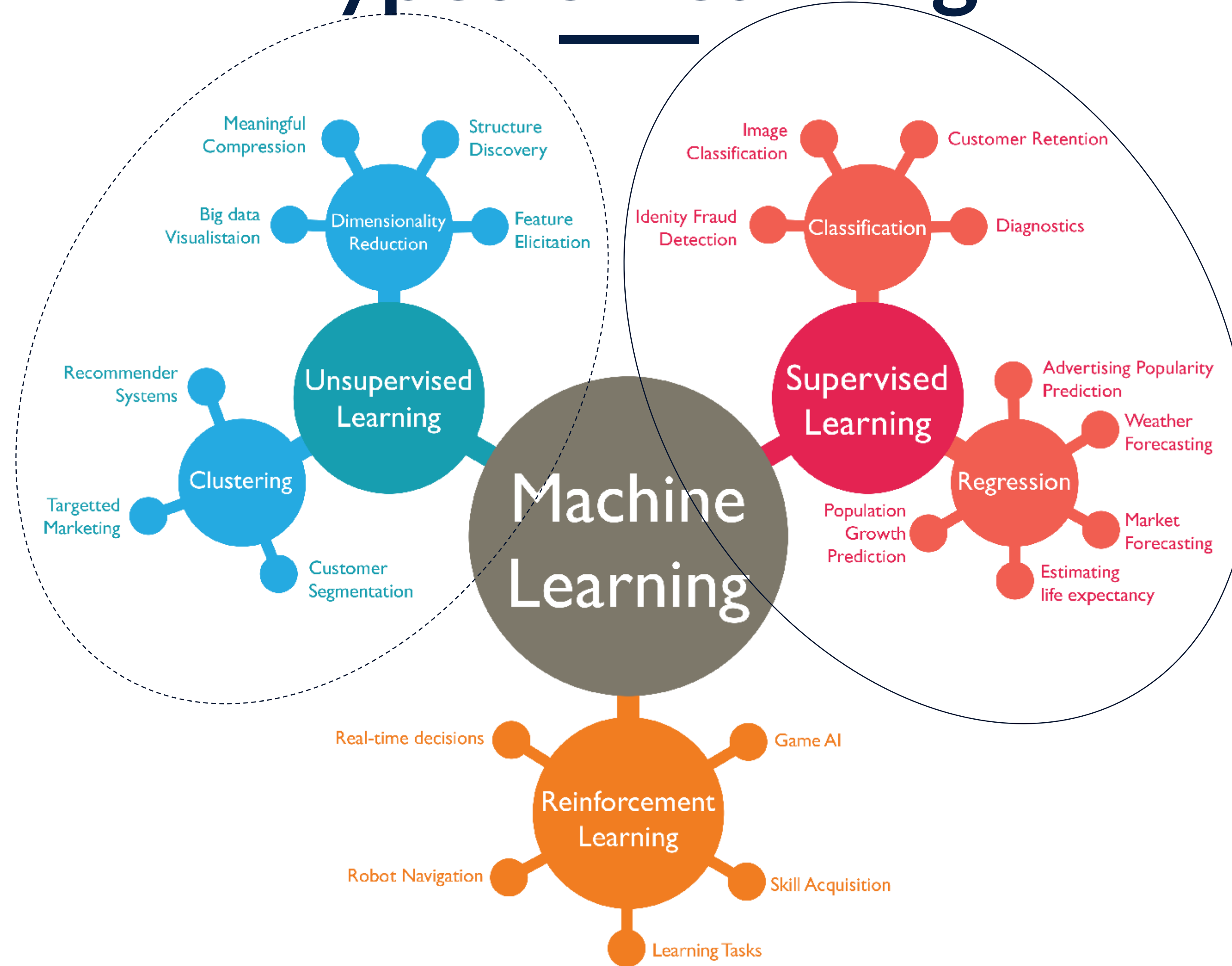

Introduction to Data Science

A glimpse of history

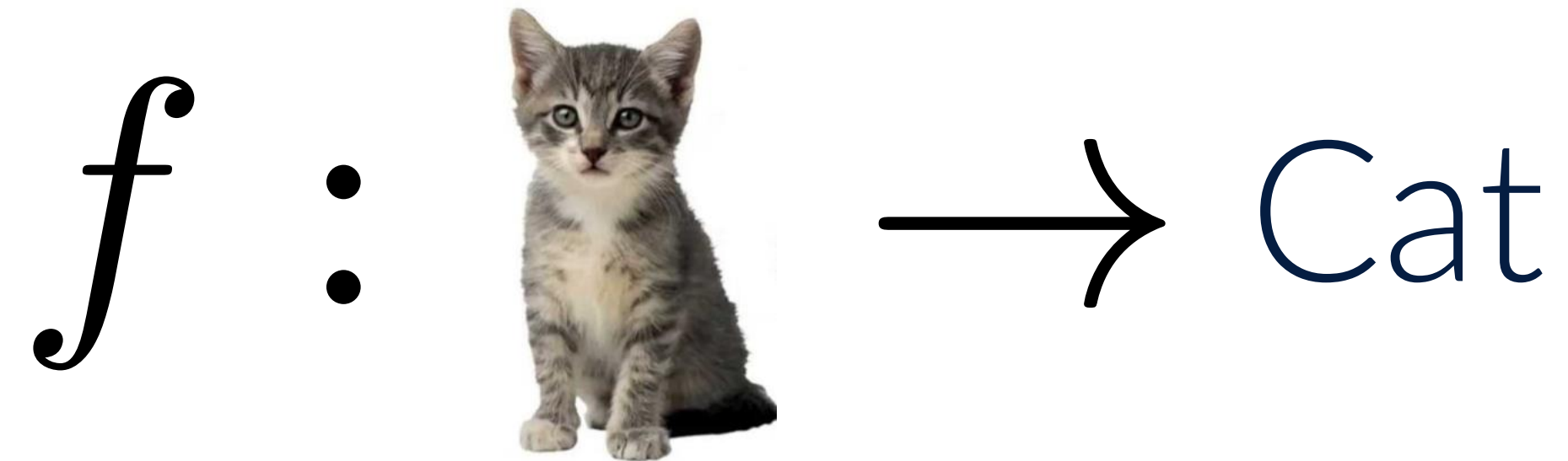


www.nvidia.com

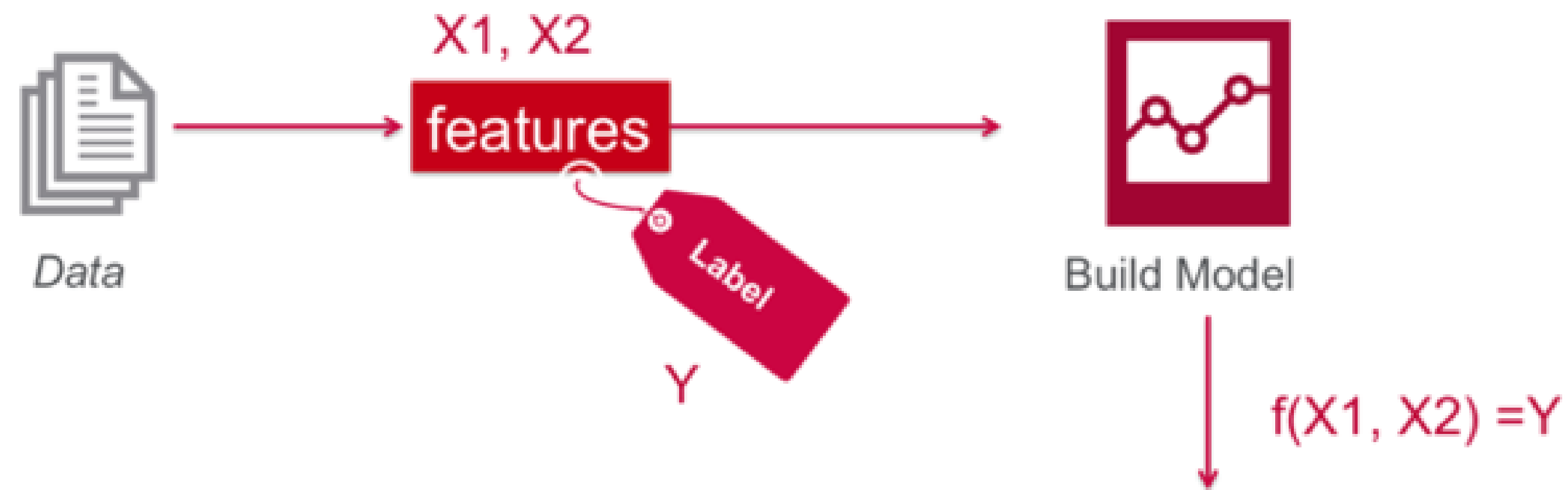
Types of learning



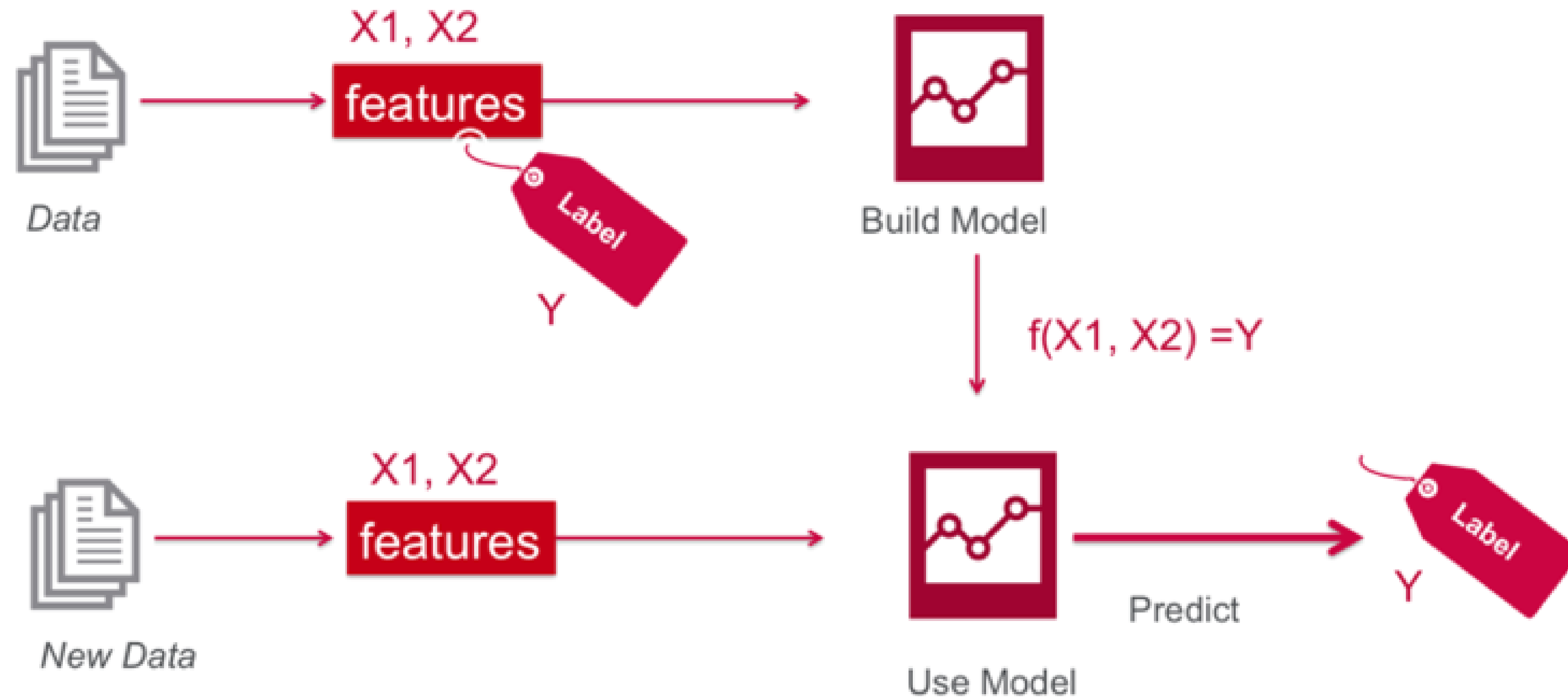
Supervised learning



Supervised learning



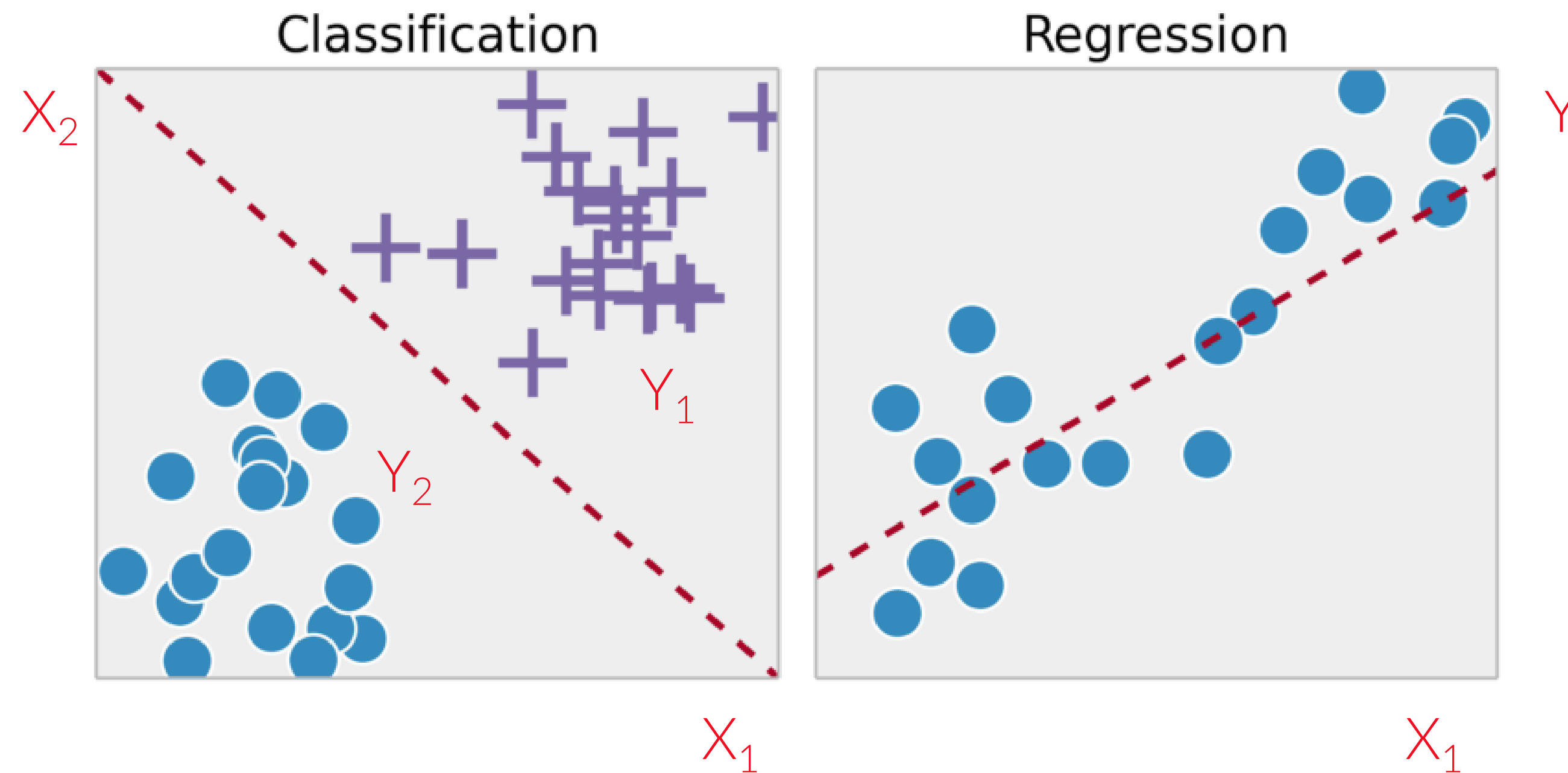
Supervised learning



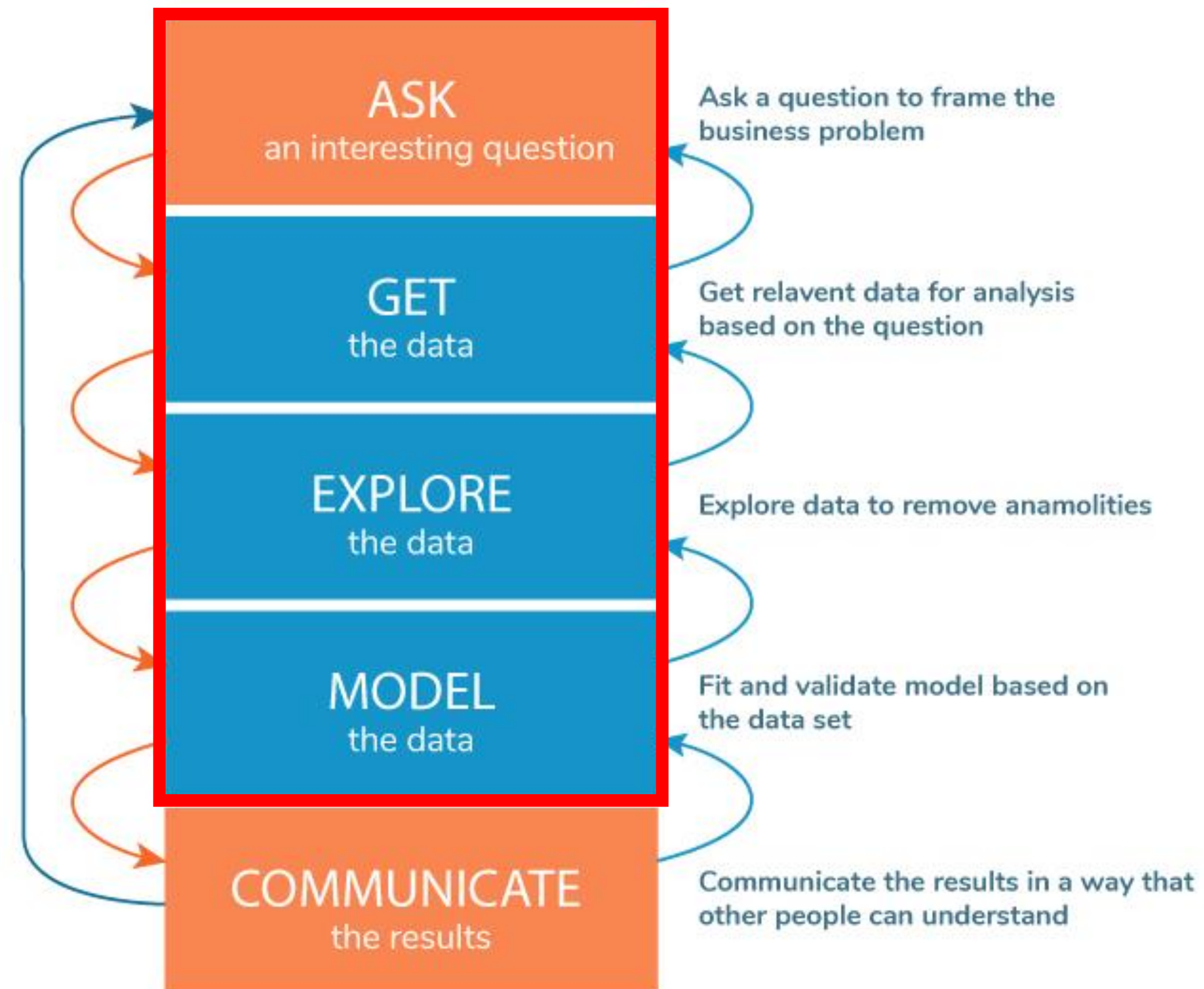
Classification vs Regression

Classification: predicting a discrete class label (categorical) output for an example

Regression: predicting a continuous variable output for an example



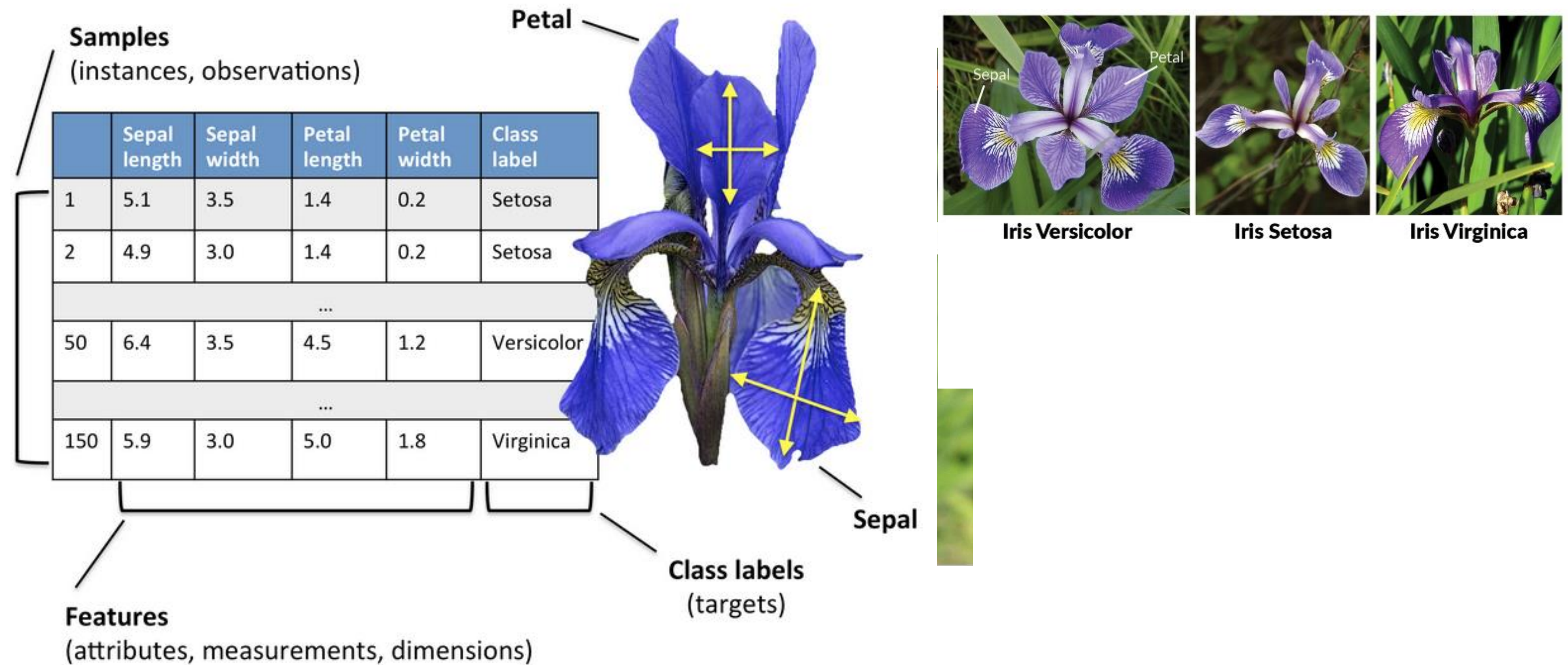
Machine Learning Process



Ask, Get and Explore

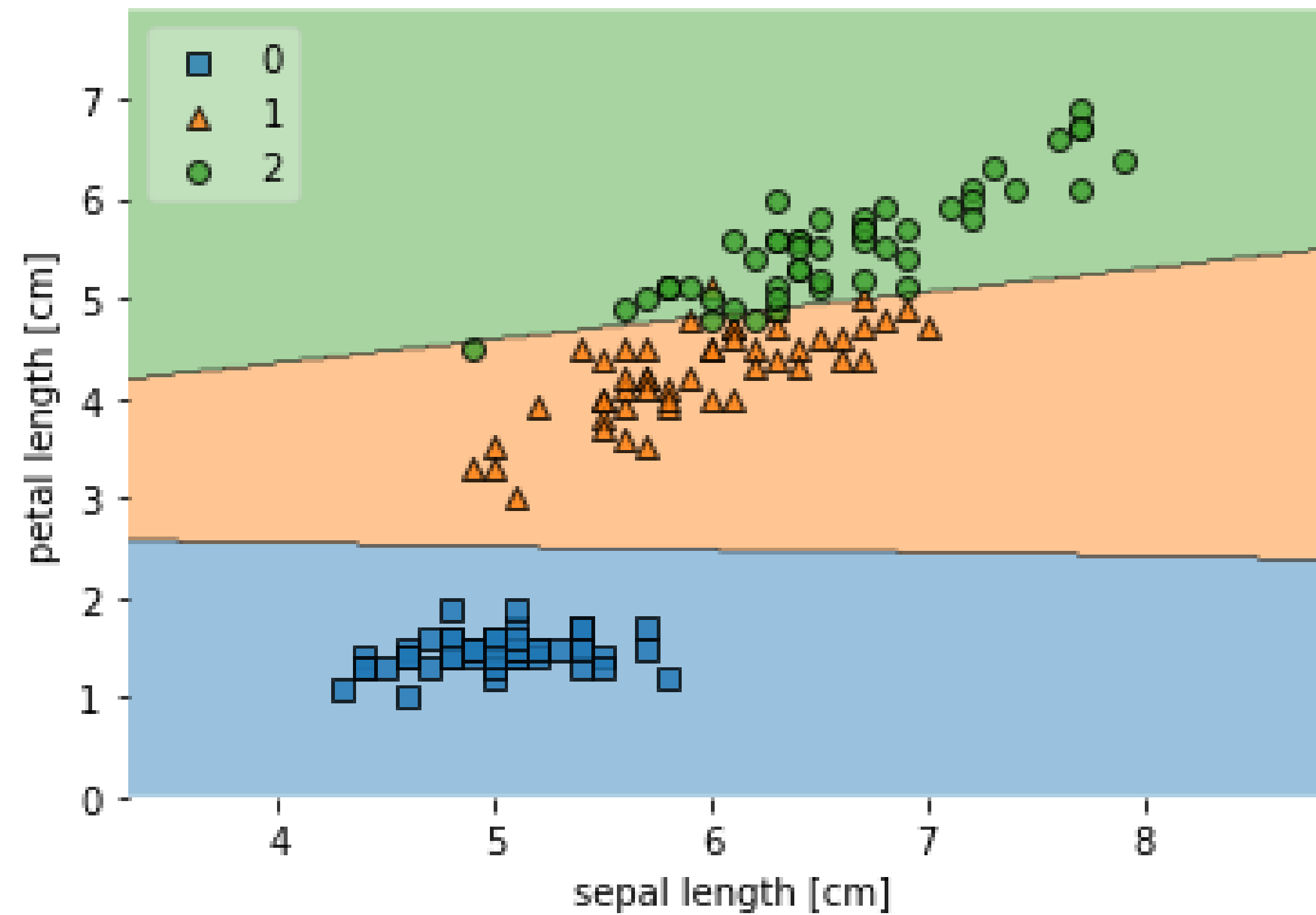
Hands-on example

UCI Machine Learning Repository



Back to our Iris dataset (UCI)

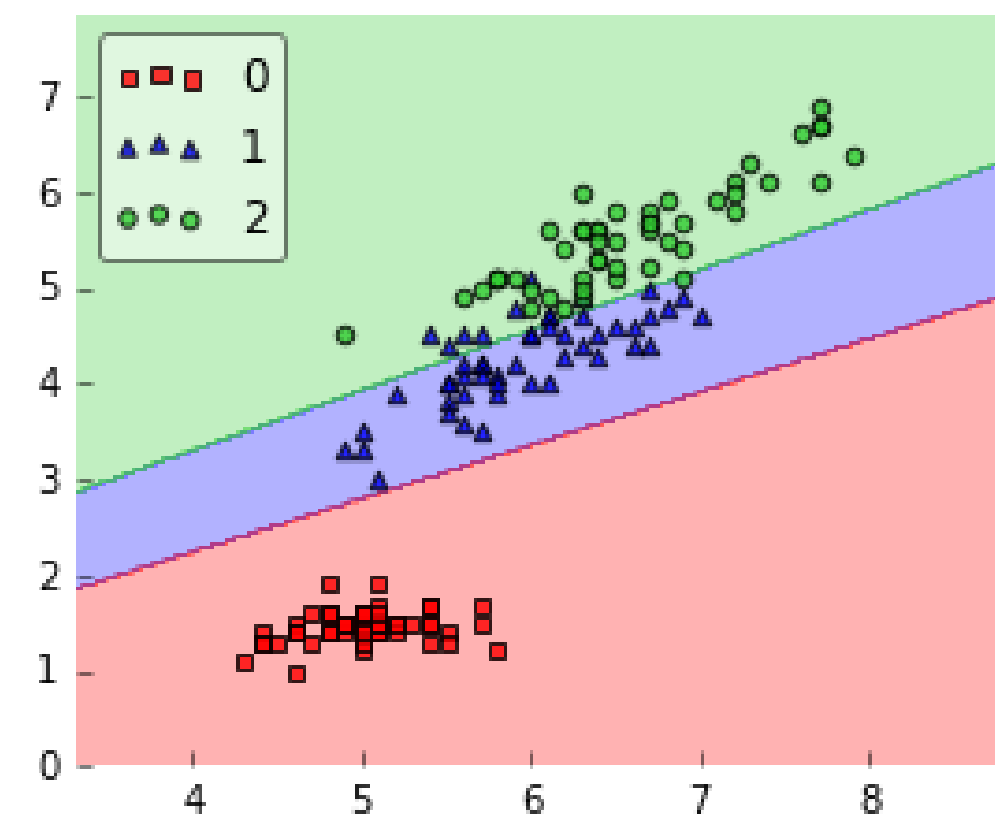
Linear Support Vector Machines



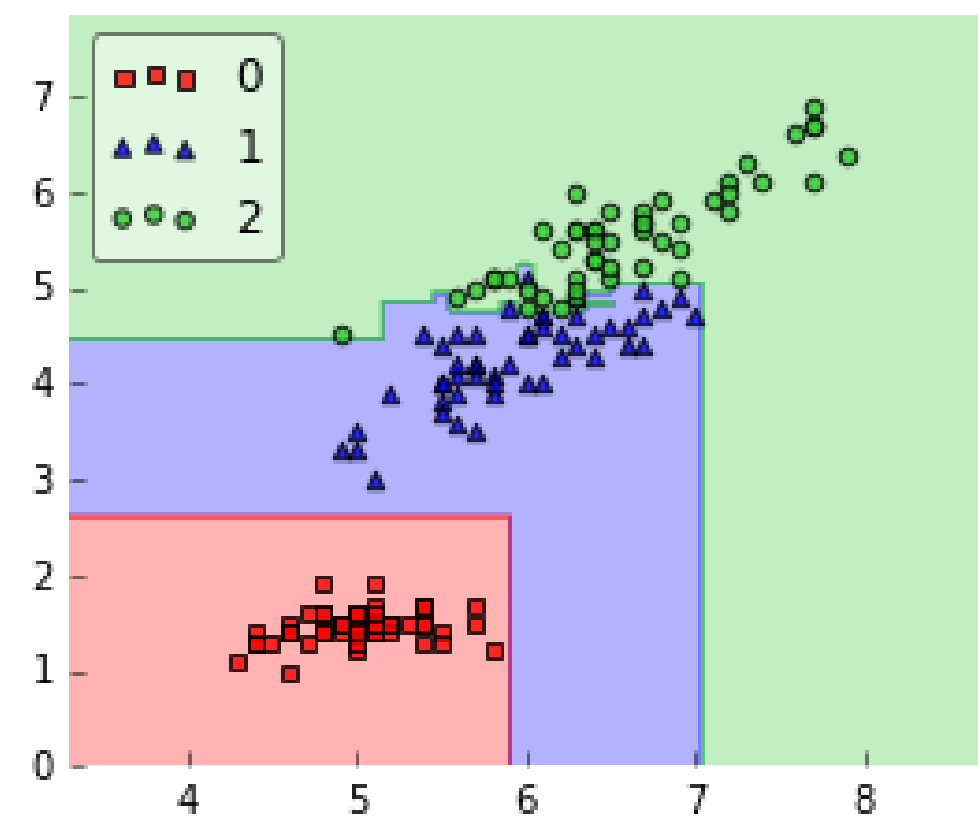
Back to our Iris dataset (UCI)

Other common classifiers

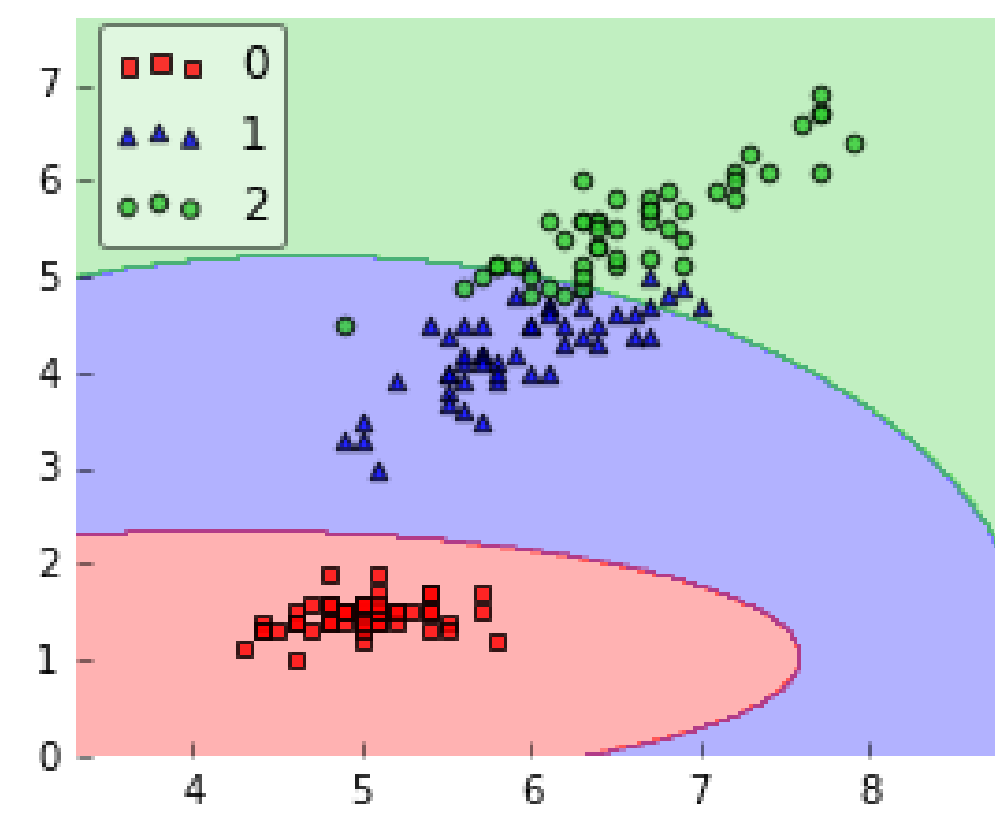
Logistic regression



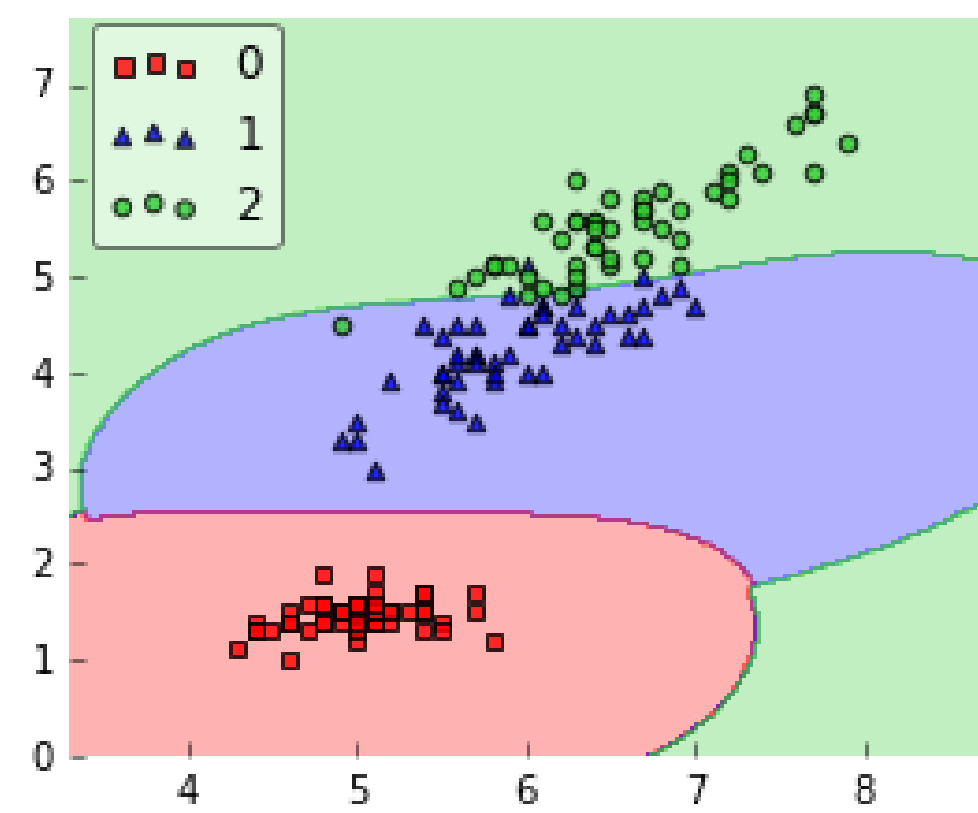
Deeper decision tree



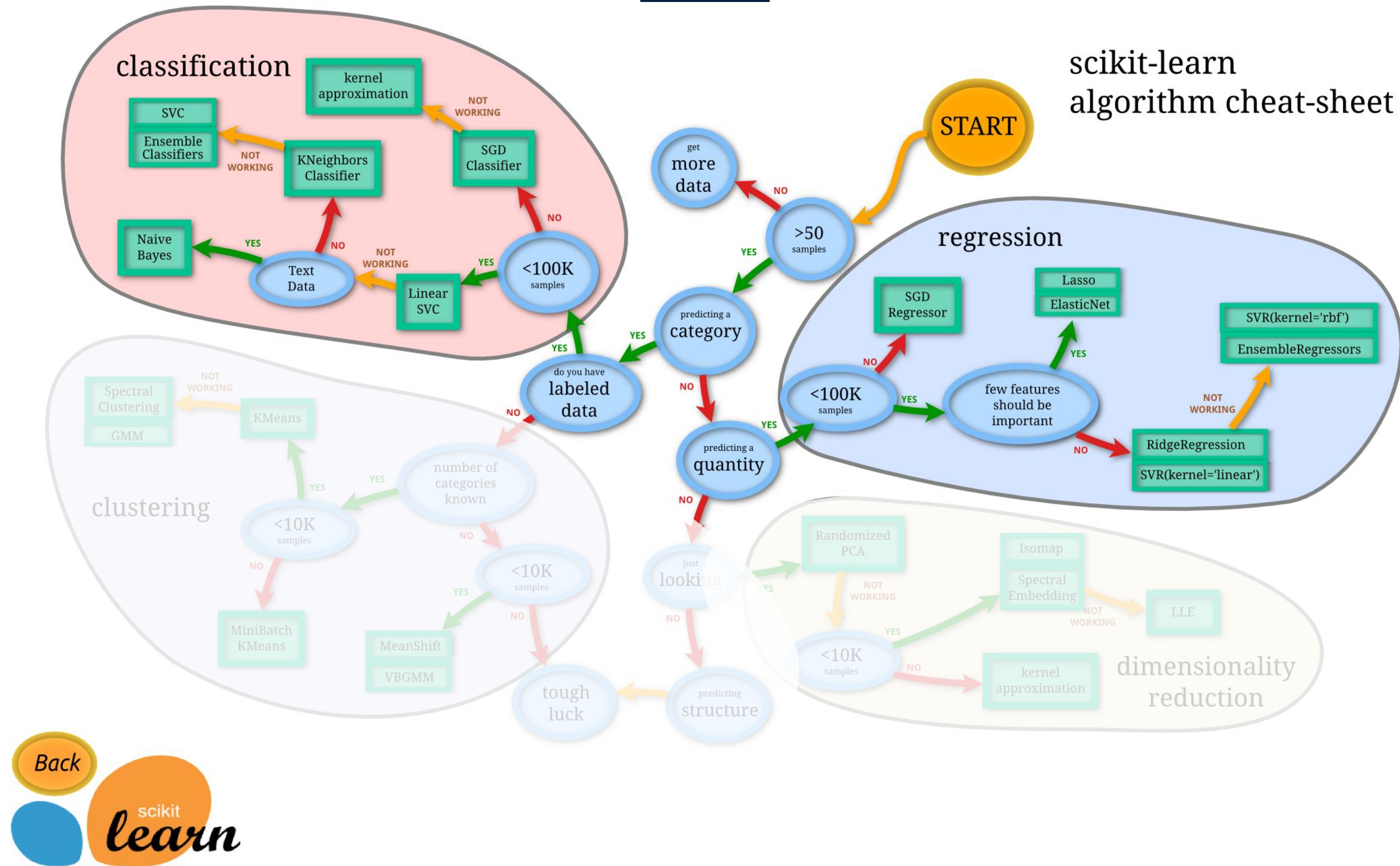
Naïve Bayes



Kernel SVM



Choosing the right model



QUESTIONS?

