

Intro to ML 2: Classification

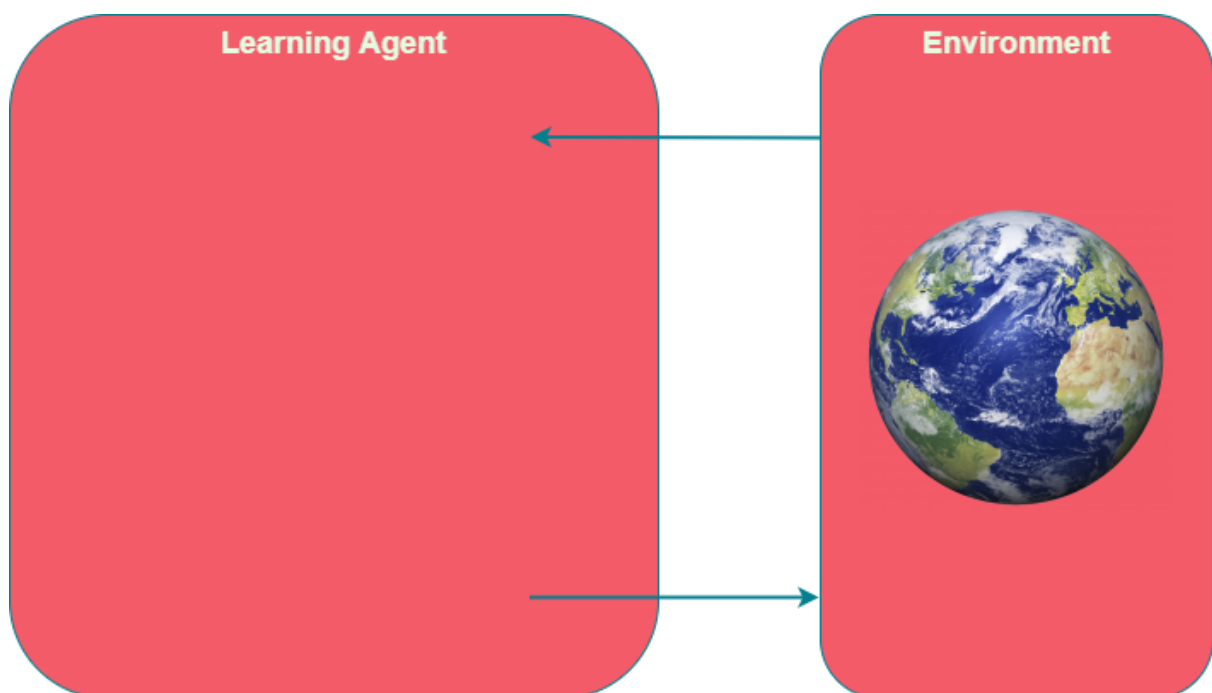
Pre-Workshop Exercises



What is Machine Learning?

Q: What are the missing subsystems in the flowchart below?

Q: What do those subsystems do?



Types of Machine Learning?

Q: What are the three main types of machine learning?

Q: What was regression about?

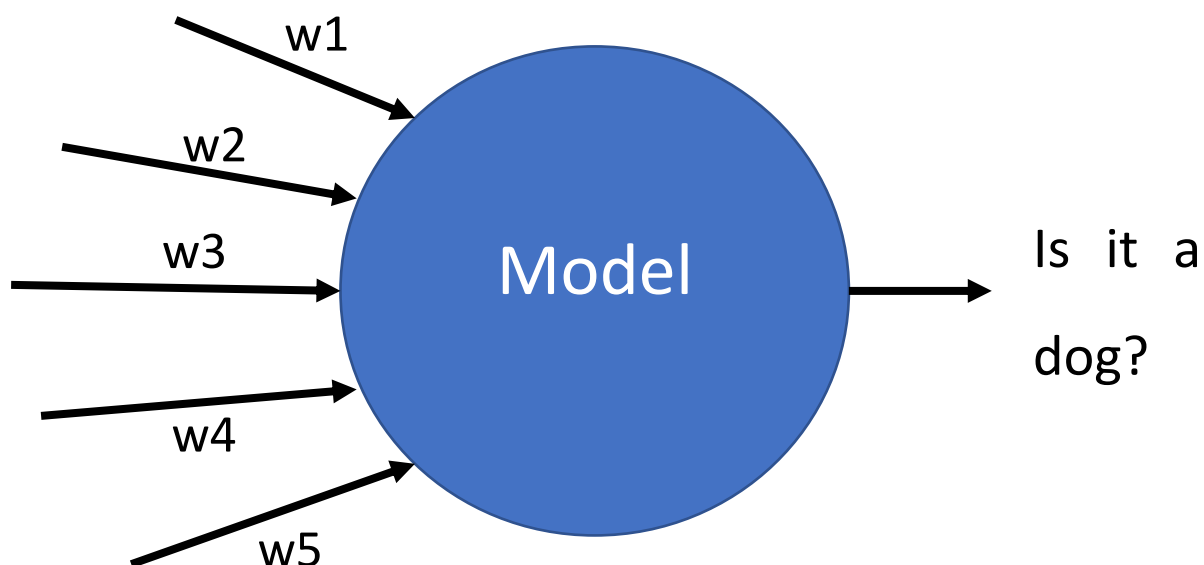
Q: How is regression different from classification?

What are Features?

Consider an arbitrary model below that takes in features and outputs a prediction of whether it is a dog or not. List five features you could use.

- 1.
- 2.
- 3.
- 4.
- 5.

Rank the weights of the features from highest to lowest. Include whether the weights are positive, zero, or negative.



What is the Best Fit?

Consider the graphs below. Which graph shows the best fit and why?

Label each graph is a term that represents the fit.

HINT: Use prefixes like “under” and “over”

