Quiz

Question 01

A computer program is said to learn from experience E with respect to some task T and some performance measure P if its performance on T, as measured by P, improves with experience E. Suppose we feed a learning algorithm a lot of historical weather data, and have it learn to predict weather. In this setting, what is T?

Answer :

T := The weather prediction task.

Question 02

Suppose you are working on weather prediction, and you would like to predict whether or not it will be raining at 5pm tomorrow. You want to use a learning algorithm for this. Would you treat this as a classification or a regression problem?

Answer :

Classification

Question 03

Suppose you are working on stock market prediction, and you would like to predict the price of a particular stock tomorrow (measured in dollars). You want to use a learning algorithm for this. Would you treat this as a classification or a regression problem?

Answer :

Regression

Question 04

Which of these is a reasonable definition of machine learning?

Answer :

Machine learning is the field of study that gives computers the ability to learn without being explicitly programmed.