Week 1 Quiz

1.
Question 1

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. What would be a

reasonable choice for P?

1 / 1 point
Correct
2.
Question 2

The amount of rain that falls in a day is usually measured in

either millimeters (mm) or inches. Suppose you use a learning

algorithm to predict how much rain will fall tomorrow.

Would you treat this as a classification or a regression problem?

1 / 1 point
Correct
3.
Question 3

Suppose you are working on stock market prediction. You would like to predict whether or not a certain company will win a patent infringement lawsuit (by training on data of companies that had to defend against similar lawsuits). Would you treat this as a classification or a regression problem?

1 / 1 point
Correct
4.
Question 4

Some of the problems below are best addressed using a supervised

learning algorithm, and the others with an unsupervised

learning algorithm. Which of the following would you apply

supervised learning to? (Select all that apply.) In each case, assume some appropriate

dataset is available for your algorithm to learn from.

5.
Question 5

Which of these is a reasonable definition of machine learning?