AI Project introduction - stocks profit prediction

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The problem we are trying to solve:
We want to try and predict whatever a certain stock will be a good investment, meaning both risk averse and profitable, in a given timeframe. We will attempt to do this based on a set of features such as stock history, stock metadata, information about the company, et cetera.
This is an open question that attracts a lot of attention from various groups, both academic and from the industry.
Stock price prediction is a good real life example of a partial information decision problem.

How to solve it:
We will try to solve the problem by using two methods seen in class: neural network and decision tree. We want to use two very different approaches and understand which one of them gives a better prediction. We chose two methods we believe can handle a lot of information and give a result according to specific data.

Why is our approach the right one?
We're attacking the problem from two different angles and basing our results on a lot of data.

How are we going to test the results?
We will compare our predictions on past data with what really happened.