Week 5 Report

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1. What machine learning algorithms, if any, have you tried?

In the past, I have experimented with various machine learning algorithms. During my undergraduate studies, I utilized a backpropagation neural network for stock price prediction. This neural network consisted of 5 neurons across 3 layers. The input data included the opening price, closing price, highest price, lowest price, and trading volume, while the output aimed to predict the closing price for the next day. Additionally, I applied logistic regression to tackle a classification problem using the Iris dataset. The objective was to categorize the provided iris data into three distinct 3 categories based on the iris shape.

2. What kinds of problems you want to solve with machine learning?

My machine learning aspirations revolve around multiple specific problem-solving objectives. Firstly, I aim to delve into the workings of well-known transformation models, understanding their underlying principles. Furthermore, I am keen on collecting my own chat data to develop a personalized chatbot. Building such a chatbot would require a substantial amount of chat data, and I plan to apply an appropriate model for training purposes. Lastly, I am eager to acquire knowledge in deep learning techniques. Recognizing the potency of deep learning models, I aspire to master their applications and deploy them in relevant scenarios when necessary.