Week 7 Report

We switched gears in the seventh week from data harvest and analysis to creating our predictive model. Deep learning was picked because of its capacity to manage highly dimensional data and recognize intricate, non-linear correlations. The difficulty, however, was in the process' intricacy and high computational demand.

The process of choosing a suitable deep learning architecture was time-consuming. The type of data we had, the difficulty of the issue, and the resources we had all needed to be taken into account. We finally chose an architecture that we thought could handle our data and problem context well after much debate.

The preliminary model training started, and the early outcomes seemed good. The issue lies in preventing the model from either overfitting or underfitting the data. Also, we had to make sure that the model could generalize and use data that it hadn't encountered during training.

We had a rudimentary model ready by the end of the week, though there was still considerable potential for improvement. Despite the difficulties, we didn't lose sight of our ultimate objective: a system that can warn traders in real-time about potential cognitive biases. This, in our opinion, can greatly enhance the performance and decision-making of traders.