

Medium Draft

Part I: Introduction and description of the project

- What is AI stock prediction?
- Benefits of using AI for stock price prediction

Part II: Implementation & Result

- Neural Networks design (Our approach to stock price prediction)
 - What layers do we use?
 - The structure of NN
- Q-Learning Design (Our approach to stock purchasing)
 - What strategies do we use?
 - Define rewards and state.
- Accuracy of our NN
- Performance matrices we use
- Performance of Agent (Q-learning & NN)

Part III: Ethics

- Ethical impacts of predicting the value of stocks
- Ethical impacts of stock decision making
 - Purely in mathematical thought without thinking in the view of humanity
 - May harm some people's privacy when showing the data and result
- General ethical impacts of AI in the stock market
 - Unemployment
 - Social instability
 - Inequality of wealth distribution
 - Higher labor requirements and its negative impact.

Part IV: Utopian and a Dystopian

- Describe what your project would mean in the perfect world where it helps create a "Utopia" and a world where it creates a Dystopia.

Part V: Discussion

- A summary of what we did and conclusion.
- What is not right in our project?
- What can we improve?
- Future work