

Project Proposal: NN vs. RNN for market forecasting

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Brief information

- The project compares different neural networks for market forecasts.
- The dataset is based on the financial report of Apple co. and the inputs of neural networks include the new generations of products, the emergence of new technology and other financial information. The output is the profit and revenue of the next quarter.

References

- We are going to refer to the previous works about neural network-based market forecasting, and financial reports of Apple co.

Timeline

- In the first month, we plan to collect information and build different neural networks.
- In the second month, we plan to start to compare the outputs of different neural networks and write the report paper.

Steps and Contribution

- Collect data
- Build neural networks
- Compare the outputs
- Report paper
- The above are the main steps we need to do for this project. Due to we are roommates and our timetable are perfectly matched, we decide to do all these together. However, we will think about the general ideas individually, and then discuss them in the group meeting, this way can save lots of time and also we can get more ideas.

Goals

The goals of this project are to predict market trends and to find the best neural network for the market forecasts.

References

(Could be more)

<https://venturebeat.com/2017/09/12/iphone-prices-from-the-original-to-iphone-x/>