**Stock Market Predictions**

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https://www.canva.com/design/DAF1o1YwSyc/yEk0B9kdPyk50MUp3YJ6TQ/edit

* Positive Feedback
  + The challenge is very clear and interesting – 6
  + Scheme Flowchart was a nice touch for clarity – 8
  + Feature engineering section was in depth – 11-16
  + Using your predictions with $10,000 investment gave a clear picture of which ML method performed better
* Motivation 3
  + Better personal understanding:
    - Why is this topic and these ML methods personally interesting to you?
* Data Overview 7
  + Stock choice questions:
    - Why choose those stocks and time period?
    - Why choose all large market cap stocks?
* Model Evaluation 22-24
  + Amount of content per slide:
    - Six graphs per slide is a bit much especially if they are important
    - Maybe compare two graphs at once
* Simulation Slides 29-31, 40
  + Unclear on Return of Investment:
    - Portfolio Value would be better than return of investment since it is a sum of all assets and in some instances, it is a loss
  + Goals are conflicting:
    - There is some conflict between your goals when you combine the assets since you are treating them now as a portfolio and not individual stocks
      * Are you wanting the highest return for one stock or a portfolio?
* XGBoost: Feature Creation 37
  + Code Tip for Pandas:
    - df.assign(Gain=addGainLoss(df)[‘Gain’], #depends on return df

Loss=addGainLoss(df)[‘Loss’],

RSI=RSI(df),

OSCI=stochasticOscillator(df),…)

* + It’s a bit confusing that the ‘Class’ changed index from the previous model.
    - 1 = positive, now it is 2 = positive
    - -1 = negative, now it is 0 = negative
    - 0 = no change, now it is 1 = no change
* XGBoost: Simulation 40
  + Image is very small for so much code, so it would be better if it has its own slide
  + Small consideration:
    - shares\_to\_buy is not a whole number (fractional shares)
* LSTM: Predictions 45-47
  + Curiosity:
    - What is causing that huge prediction value at the beginning?
* Conclusions
  + It would be good to show what you thought was interesting about the findings or what you learned.
  + Also if you provide some ideas about where you can research this topic further, you can hint future researchers in the right direction.
* General Feedback
  + Page number inconsistency
    - Some sides have the same number some slides have no number
  + No mention of what programming language was used
    - No aggregate list of libraries used
    - Only mentioned TensorFlow and Keras – 42