Wenguang Hu A01706648

Reto Analysis of the Context and Regulations

I will talk about the Project for Module 1 Statistics for Data Science.

Find out what the regulations are associated with the type of data you used.

The document we are using is the Company's report for both quarterly and full-year statements.

Also the stock price.

For example, I am using Yahoo Finance's public API.

We are limited to have request number in certain time.

Rate Limits:

Request Per Min	10
Request Per Hour	300
Request Per Day	5000

https://developer.yahooinc.com/dsp/api/docs/traffic/info/rate-limits.html

Explain why you used the data and how you are making sure not to violate the established regulations. Support this with the official documents you are relying on and cite them.

We need to use the data to get the stock price, and to predict the future stock price.

To avoid violation of regulation, we shall set a sleep timer between each request, and have a counter for the request, to not exceed the limit.

Once the dataset has been analyzed, it is now necessary to analyze the tool, explain how your solution complies with the regulations established in the same industry and does not incur any ethical bias.

In the industry, we are not allowed to do insider trading .

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In hour application, we only use the public information to train the module, and predict based on the public information, so the model will not be useful for insider trading.

Analyze under what scenarios an ethical fault could be incurred if your tool is misused, consider cases such as malice or negligence.

When the insider using the tool to predict the stock, and do the insider trading,

Or give tool the insider information to train the tool, to be used for insider trading.