

Analyse Elon's Tweets to automate stock trading

by group 12345

What is the problem?

- Machine Learning & NLP
 - Determine the effect of a tweet to a business
- Automated Trading
 - Less mistakes
- If humans can do it repetitively, computers could do the same

Why is this important?

- Humans have emotions, but computers don't
- Stock trading seems to be a (relatively) monotonous task
- Elon's tweets have significantly affected Tesla's stock
- Learning more about stock trading
- I need money

What to do & How

1. Implement interfaces that interact with ATS
2. Crawl Tweets of Elon Musk ([@elonmusk](#)) in real-time
 1. Also his past tweets for analytical purposes
3. NLP
 1. Running Emotion Recognitions
 2. Determine purposes

Apparently..

Machine Learning
requires some GPU



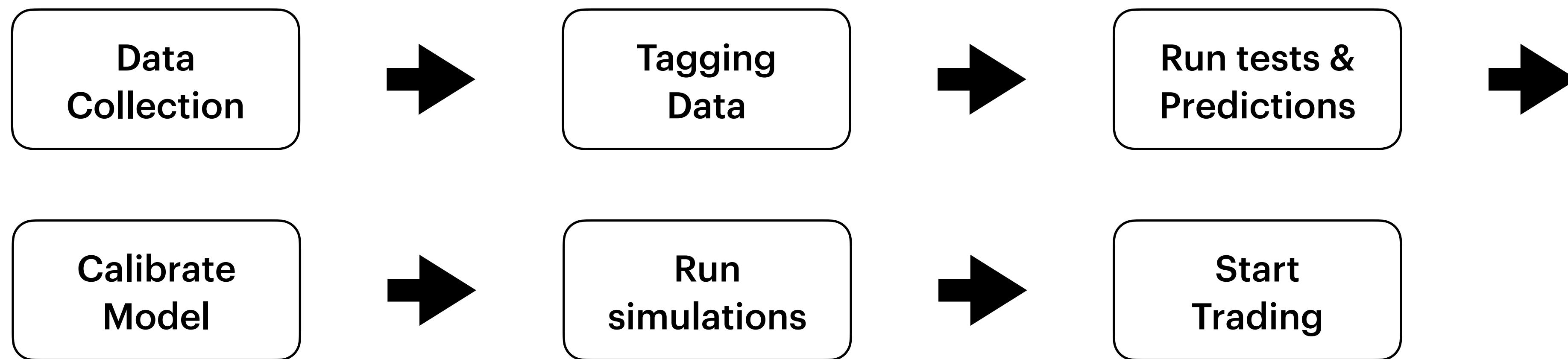
What do we need?

- I'd probably do it on GCP
- Training data already available on Internet

Where do the data come from?

- [https://twitter.com/search?
q=from%3A%40elonmusk%20until%3A2011-12-31](https://twitter.com/search?q=from%3A%40elonmusk%20until%3A2011-12-31)
- Web crawler

Workflow



Our Team

- 李詳弘：設計模型
- 何明曦：收集資料
- 郭泰維：分析股市
- 李紀為：收集資料
- 蕭文政：測試模型

Q & A