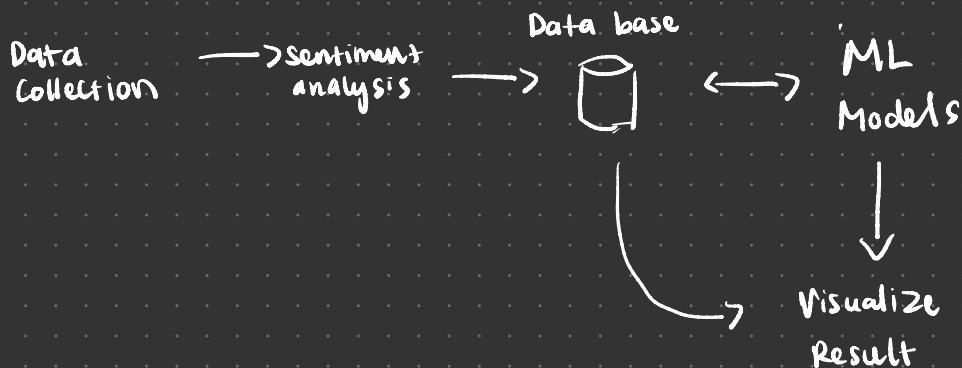> Goal: Predict S & P 500 using past prices and market sentiment.

1. Web scrape news, reddit, other market, etc.

2. Store in Data base: Azure MySQL

3. Hyper parameter tuning our model.
   ⤷ Determine best model to use
   ⤷ Maybe create 2 or 3 best performing model
4. Create pipeline to auto train and predict
5. Store Result in Data base
6. Display Performance on Power BI.

7. Automate everything.

Main Structure

Data Collection ——→ sentiment analysis ——→ Data base ⟷ ML Models

Data base ——→ Visualize Result

ML Models ——→ Visualize Result

Data Collection:

- webscrape news, reddit, or Asia market.
- clean and uniform the data
- Data modeling

MySQL:
- Learn more after final