

- Team Members: Kevin Xu, Xinyu Jiang
- Data Source:
 - <https://www.kaggle.com/datasets/sudalairajkumar/cryptocurrencypricehistory>
- Objectives & Motivating Problem:
 - we would like to provide a visualization for users who would like to know which cryptocurrency correlates the most with spikes and/or drops in the price of bitcoin. In doing so, users would be able to make more informed decisions on buying/selling in order to maximize returns.
 - In addition to that, since the data provide with many different types of crypto, we hope to provide users who are interested in investing in cryptocurrencies with data visualization to have users figure out which cryptocurrencies are more volatile and which are more stable, so that they can invest according to their needs.
- Rough Plan of Work with Approximate Milestones: we plan on picking our dataset and area of focus by April 11th, and ideally finish our proposal by the due date of April 13th. We hope to finish our task elicitation by April 16th and immediately begin with prototypes; we hope to share our prototypes (along with finishing any data preprocessing that needs to be done) by April 19th. We hope to finish refining our preferred prototypes and finalize our visualization by April 24th. This will ideally lead to us finishing our report and video by April 26th. In terms of logistics, we plan on meeting weekly every Tuesday at 7pm to discuss next steps for the project and divide up work.
 - Summary of key dates:
 - Pick dataset, topic (4/11)
 - Finish proposal (4/13)
 - Finish user interviews/use cases (task elicitation) (4/16)
 - Finish data preprocessing, share prototypes (4/19)
 - Refine preferred prototypes and choose visualization (4/24)
 - Finish report and video (4/26)
- Deliverables
 - Project report
 - Video explain what we did for the project
 - Project PPT
 - Code for the project
 - Poster or webpage(maybe)