**Fintech 5Falcon??? Team - Project Outline**

**Project Title:** The effect of Starbucks/HEB and Trader Joes locations on property values

**Team Members:** Quentin Reynolds, Anjana Chowdiah, Emmanuel George, Alyssa Holman, Azaldin Assi

Problem definition: (Team must decide)

* Develop a financial application.
* Analyze a financial problem.

What is our research question?

How does one or a combination of the above answer our research question?

Task List:

Data:

* Data mining:
  + Lookout for impact of data availability and type on project outline
  + Team to review impact on project goals and changes necessary
  + Scope of dataset to be appropriate for project scope

**Note:** Big data datasets are difficult to manage locally

* Exploration and cleanup
  + Explore
  + Clean
  + reformat

**Important:** Keep track of exploration and cleanup steps in a dedicated jupyter notebook to keep you organized and make it easier to present your work later on

* Analysis
  + massage your data ready to start crunching numbers
  + Aggregation
  + Comparison
  + Summary statistics
  + Financial analysis
    - Sharpe ratio
    - Beta
    - Monte Carlo Simulations

Important: Keep track of your work in a Jupyter notebook dedicated specifically to analysis

* Visualization
  + Plots during exploration and clean up
  + Plots during analysis phase
  + Look out for trends
* Presentation