* List of team members
  + Mike Ward
  + Eric Bell
  + Stanford Cline
  + David Browning
* Overview
  + Our Team aimed to build a neural network that would predict the trends in various crypto-currencies.
  + Our team wanted to learn to use Tensor Flow, an open-source software library for machine intelligence. No team member had prior experience with or had worked on projects using this library.
  + In anticipation for this event, Stanford had been compiling data about changes in the value of many cryptocurrencies and made a large contribution to the data we had to work with.
* Summary of Accomplishments
  + The majority of my time was spent in three tasks.
    - Reading tensorflow documentation and running examples.
    - Studying the data we had acquired.
    - Writing the basis for the data reading scripts.
  + Team accomplishments include
    - Successfully using tensor flow to begin prediction of cryptocurrencies.
    - Deployment of a simple web interface to view the results
    - First Place in the Data Analytics Category for the Hackathon.
* Insights
  + The most difficult part of using the tensor flow library was a dire lack of end to end examples in their documentation. The tensor flow site does a pretty good job explaining terms and going through higher level concepts, but there is enough hand waving going on that it was a very non-trivial feat to be able to adapt our data in such a way that tensor flow could use it and we could derive something meaningful from the results.
  + An interesting event happened during the time I was working on the data reading script was in talking to an acquaintance. I was having difficulty with an aspect as my python is a bit rusty. I ended up asking the acquaintance for advice and was able to fix the issue I was having.
* Time Spent
  + I was only able to commit approximately 8 hours to the development of the project mostly due to needing to finish the assignment due for 5700. Because of the smaller contribution I had to the group I wasn’t included in the final project submission. The read\_data.py script that I wrote can be found [here](https://github.com/mikethebro/Coin-Prediction/commit/b85bb6d822bd3585bc1b76b1017b3fc50c2b908c). It was used as a basis for the rest of the scripts developed and became irrelevant towards the end of the hackathon.