Anand:

Anand has done event studies classifying headlines of articles and figuring out if sentiment is positive or negative

In finance, you can use Beta or Standard Deviation to calculate “abnormal” movement

Instead of calculating moving average of price, look at moving average of price changes

Take log of %, get normal distribution - T-testing etc

Manana:

2 aspects of project - Article content and price data

Raghav and Manana doing NLP for feature extraction by Friday night, to discuss on Saturday

Ran is taking the lead on analyzing price data and determining how to identify the price windows

Using rolling max/min functions

Takes a long time to run through data and extract article content

Anand:

In NLP/feature extraction, don’t bias the model and tell it what features to look for - Do exploratory classification etc

Focus on the paper’s work on lexicon and processing the press releases, not price movement - How are they finding similarities in the articles?

Anand will help us out with the event study and price movement

**Actionable: By Thursday, everyone should read through the paper and figure out what tools they use for lexical analysis/classification. Then, we can go to Alex’s office hours and get help with implementation.**

Everyone will work on NLP, Anand will guide us through the statistical part

Rolling moving average (+ standard deviation)

Compare distribution per day

Bands around price for +/- 2SDs

Regime shift

Rolling calculations, flag any movement outside of expected distribution