Date:
10/17/2018

Attendance

- Our Team:
  - Blake, Nick, Kevin, Lee
- Principal:
  - Ben

Questions going into the meeting

- Markowitz?

Overview on what was Discussed

- Format of what these meetings should cover
- Clarified some concepts on Markowitz

Discussion

- Align these meetings with when Ben is on campus
- Markowitz
  - Tret calculated correctly
  - Unbiased
  - Risk penalty has bounds : SAMPLES
  - Quarterly Geometric mean, (Multiply)^1/n for average Q returns
    - (avg)^4 - 1 to annual
  - Constrained optimization before Efficient frontier
  - Covariance and expected returns of rolling 5 year data, 10 or All markets
  - Return vector has different ways to calculate
    - use simplest way for now
  - Use more input data to generate better results
- In future, Possibly use optimize based on iret/aret instead of tret
- Tot_index is value at end of quarter
  - Tret is quarterly returns