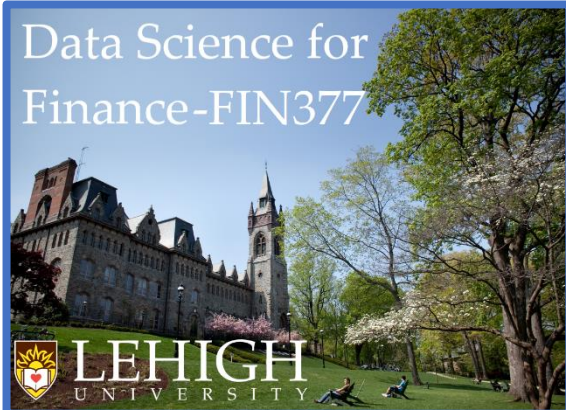


## Data Science for Finance-FIN377



### FIN377 – Data Science for Finance

*(also listed as GBUS421)*

**Instructor:** Donald Bowen, Asst Prof of Finance

**Email:** deb219

**Website:** [ledatascifi.github.io](http://ledatascifi.github.io)

**When:** Spring semester only

#### DEVELOP IN DEMAND SKILLS

- Learn python (coding novices succeed every year in this class)
- Data visualization
- Web crawling to construct "big data"
- Natural language processing
- Regression analysis
- Machine learning
- Build a website to show off your work (and add to your resume)

#### INTERESTING, PROFITABLE, AND IMPACTFUL ACTION

- Apply those skills to finance problems
- Estimating CAPM and other asset pricing models (easily, on day 1!)
- Detecting firm risk factors
- Identifying/preventing discrimination in lending
- Machine learning contest (with a prize for the winner)
- Learn essential datasets professionals use: CRSP, Compustat, SEC EDGAR

#### PUT THE WORLD OF BIG DATA AT YOUR FINGERTIPS

- Use python to obtain, explore, groom, visualize, and analyze data

#### INTERESTED?

- See what former students say: look for the "Outcomes" page on the website
- Questions? Email me, happy to talk!