- What does a MSSCer do?

- Where does a MSSCer get hired

- How does a MSSCer get a job?

- What do data scientists do as a job? – Work with others in some subject area field, constantly communicate results and analysis details

- Where do they get hired? – in a variety of disciplines

- How do they get hired? – Usually by networking, rarely by job ads

Academia vs Industry

- Academia takes a long time to devise a new workflow, or better solution for obtaining answers

- Industry uses pre-defined workflows to get an answer as fast as possible

Information flow
Academia <-> industry

- What does a new hire do?

- See if your thesis stuff might be applicable there

- Do some basic analysis using software academics don't use

- See if you can learn to communicate/ fit in with the team/culture

New hire

- New hires are a risk both financially and hourly

- How does a company reduce that risk? (hire someone you know or hire someone who worked with someone you know)

Where to find jobs

- monster, simply-hired, math-jobs,

- within company sites: https://hootsuite.com/about/careers

- <u>LinkedIn.com</u>: Where did that recent grad get a job? Who was that person who said she'd be hiring in a year or so? How'd he get a job anyways?

- Your personal webpage/ github: resources / samples of your work + showing that you can do something that your grandparents will understand and a quant person will think is cool

- An experience with recruiting events

- Always follow up a meeting with linkedin, email, etc...

meetup.com & conferences: people & company research

- find mentor(s), ask to meet them for a 20 minute meeting, buy them coffee, start & end punctually.

- New skills to learn before you graduate? sql, machine learning, data mining, data curation, scripting language, SAS certification, Tableau?

meetup.com & conferences: people & company research

- Research the company first.

- Ask them questions about what a job title means, what skills are used, what research or development means to them.

Networking = public service + self promotion + helping others make connections

- Meeting with someone in industry?

- Always bring your resume – even long before you are looking for a job

- What new expertise could you bring to that company, do you have skills/ideas that could contribute to their goals?

Resume (and life) skills

- Need to show you can communicate effectively,

- Improve your language skills

    - (immersion is best: switching languages is really really hard)

- volunteer strategically, get new skills onto your resume and/or show communication
(idea inspired by a talk from @johnjschaub)

- Train the people around you to understand – leadership gets you promoted, more people understanding what you do gets you more interesting questions to answer (idea inspired by a talk from @johnjschaub)

- Can you automate your job to free up resources for a more fun task?

- Brainstorm your skillset:

- List software you know

- List methods you know

- Branding: http://venublog.com/2012/12/10/data-science-vs-data-analytics/ or http://www.datasciencecentral.com/profiles/blogs/17-analytic-disciplines-compared

- How to find jobs which aren't advertized:

- Test your networking skills

- Know someone at the company

- Companies only want to hire statisticians who can communicate with their science teams. Can you communicate? What evidence do you have?

Resume skills

- Clarify methods & models & areas that you're good at.

- Have good code you can share?

- Evidence of technical writing skills / presentations

- Practice and share your cv, go to all recruiting events at your school even if you don't want that job

- If your friend gets hired in their ideal job they are no longer competing against you for your idea job