

Thinkful: Career planning document

This document will collect and organize your work in the career planning lesson of the prep course. Complete each section after reviewing the relevant assignment in the course material.

Section 1: Explore the landscape

Write your one to three paragraph reflection for assignment 4.1.1 here.

My passion for data science comes out of my excitement about the possibilities for the emerging field of applied economics. So many of the problems facing organizations and societies stem from a mismatch between desired outcomes and the impact of real-life human behavior. I see data science as being able to bridge that gap and use data from real-life behavior to help revise products and systems to increase their effectiveness.

When I took the DataCommunityDC survey my result was a Data Creative with top skills in Stats and the MangoSolutions survey classified me as a Modeller with strengths in Communication, Programming, and Visualization. These results fit with my self-conception as a data scientist. My interests are in machine learning, visualization, and predictive modeling. I feel that the identified strengths fit my interests well.

Section 2: Job postings

Find five job postings you're very interested in and post them here. Focus on one city. Don't just post the links; job postings have a way of disappearing after a while.

Job 1

- Company name: Turner
- Title: Senior Operations Research Analyst/Data Scientist
- Why did you choose this job?
 - i. "Solutions typically involve formulating, designing and developing decision support models, proofs-of-concept, and prototypes to solve complex business problems or processes. Individuals engage directly with functional area to research, identify, and seek out information, facts, and data; perform business case analysis, root-cause analysis, and troubleshoot problems using Operations Research and Data Science techniques to find solutions. They conduct and promote a scientific, inquisitive, and innovative approach to business decision problems and technical solutions."

- ii. This job has a good mix of data wrangling, predictive modeling, and visualization. I see this role as a challenge that will help me grow the skillsets where I have the most natural interest
- Link:
<https://www.kaggle.com/jobs/17617/turner-sr-operations-research-analyst-data-scientist-atlanta-ga>

Job 2

- Company name: Data Analyst
- Title: McKesson
- Why did you choose this job?
 - i. Healthcare is a field that could desperately use data science but is slow in getting adequately situated technologically to be able to take advantage. Working for a consultant firm in this industry would put me at the bleeding edge of bringing data science to healthcare. That is exciting.
- Link:
<https://mckesson.taleo.net/careersection/ex/jobdetail.ftl?lang=en&job=447601&src=JB-10180>

Job 3

- Company name: Lockheed Martin
- Title: Data Scientist
- Why did you choose this job?
 - i. Position responsibilities include collaboration with business stakeholders to identify business opportunities and needs to develop associated analytical models that deliver useful, actionable insights, or recommendations. Candidates can expect to participate in, or lead cross functional teams to address the problem at hand and Identify new data driven business opportunities beyond the current business focus by combining existing and new data and help to institutionalize a data-driven analysis. Candidates should be comfortable identifying relevant data sources and applying a variety of tools and techniques to prepare and manipulate the data for analysis, as well as visualization and reporting techniques to present findings and recommendations.
 - ii. This is a more business focused role that would expose me to multiple parts of the business and help drive smart, strategic growth.
- Link:
<https://search.lockheedmartinjobs.com/ShowJob/Id/85887/Data%20Scientist>

Job 4

- Company name: Siemens AG
- Title: Data Scientist
- Why did you choose this job?
 - i. This job would give me control over the supply of my own data sets to perform analysis and guide product development in real-time.
- Link: <https://jobs.siemens-info.com/jobs/208062/Data+Scientist?lang=en-US>

Job 5

- Company name: Moxie
- Title: Data Scientist/Analyst
- Why did you choose this job?
 - i. This job is heavily focused on marketing. This is a unique niche which is likely to be appreciative of the insights data science can bring and would also be a welcome change in culture and environment from the manufacturing facilities I've worked with in the past.
- Link: https://www.moxieusa.com/careers/openings?gh_jid=795833&gh_src=iosql1

Section 3: Your company hitlist

Find five dream companies (whether or not they're hiring data scientists right now) and add them to this hit list. Focus on the same city you did for job postings. Include a sentence about why you added each company.

Company 1

- Company name: Athena Healthcare
- Why did you choose this company?
 - i. As one of the nation's largest insurers, working for Athena would give me the opportunity to contribute to reforming our broken healthcare system.

Company 2

- Company name: Amazon
- Why did you choose this company?
 - i. Helping Amazon to fine tune its big data products to align their products with consumer behavior would be an exciting experience in applied behavioral economics.

Company 3

- Company name: Tesla
- Why did you choose this company?
 - i. Using big data to help drive wider adoption of technologies which are healthier for our environment is necessary and interesting work.

Company 4

- Company name: UPS/Fedex/USPS
- Why did you choose this company?
 - i. Using data science in the logistics space would go well with my previous work experience as well as solve interesting problems.

Company 5

- Company name: Delta
- Why did you choose this company?
 - i. Helping a hometown company to stay at the top of its industry through the strategic use of data science would be a rewarding challenge.

Section 4: Find your people

Add the data science related events in your area and find LinkedIn profiles for local data scientists working at the kind of job you want.

Local data science events:

- PyData Atlanta
- Applied Data Science of Atlanta
- Data Science ATL

Local data scientist from a company on your hit list:

- <https://www.linkedin.com/in/arash-einolghozati-a6005429/>

First or second degree connection in the industry:

- <https://www.linkedin.com/in/li-hao-ph-d-03363021/>

Section 5: Write your own story

Make the work you've done so far concrete.

Describe your ideal job to an industry professional

I am a data creative specializing in applied behavioral economics. This means I combine powerful machine learning algorithms with top-notch visualization and presentation skills to unlock patterns of user experience to help develop and refine products and services in both the private and public sectors. I specialize in machine learning, data aggregation, experimental design, and predictive modeling.

My ideal job would be working for a forward-looking organization with a demonstrated commitment to data analytics. I want to be working on problems that lie in the gap between how a product was designed and how it is actually used so that I can provide insights that both refine the product to be more intuitive while also nudging the user to utilize the product in the way it was designed. I want to work with both end users and product managers to wholistically guide both my analysis and my recommendations to the relevant parties.

Describe the same job to a non-technical family member

I am a data creative specializing in applied behavioral economics. This means I combine powerful machine learning algorithms with top-notch visualization and presentation skills to unlock patterns of user experience to help develop and refine products and services in both the private and public sectors.

My ideal job would be working for a forward-looking organization with a demonstrated commitment to data analytics. I want to be working on problems that lie in the gap between how a product was designed and how it is actually used so that I can provide insights that both refine the product to be more intuitive while also nudging the user to utilize the product in the best way possible.

Draft your aspirational professional summary

I am a data creative specializing in machine learning, data aggregation, experimental design, and predictive modeling. I want to be working on problems that lie in the gap between how a product was designed and how it is actually used so that I can provide insights that both refine the product to be more intuitive while also nudging the user to utilize the product in the best way possible.