Data Science Flexible

A flexible program designed around your schedule, built to get you a job as a data scientist. Get the benefits of 1-on-1 mentorship and a support team.

APPLY NOW

From Bootcamp to Data Scientist in 2019

Outline

- Thinkful Data Science Bootcamp.
  - Reviews & Comparisons
  - Outcomes Report
  - Job Guarantee
  - Curriculum
  - Mentor and Support
  - Social Events

- Career Services & Job Search
  - Career Coach
  - Job Market
- Other Resources
  - MOOCs

What are "Coding Bootcamps"?

A coding bootcamp is a technical training program that teaches the programming skills that employers look for.

- Infographic1: Coding Bootcamp vs CS Degree
- Infographic2: Bootcamp Outcomes

Thinkful's Data Science Bootcamp

- About Thinkful

- Data Science Flex Program

- Comparisons and Reviews
  - SwitchUp and CourseReport

- Outcomes Report for Data Science

- Tuition Reimbursement Guarantee: Requirements.pdf

- Curriculum- Log In

My Experience

- Mentor: 6.5/10

- Slack Support with Curriculum: 10/10

- Q&A Sessions: 10/10

- Social Events: 8/10

- Career Services
  - Careers Curriculum: 9/10
  - Coach: 8/10
  - Employer Partnerships: ?

Job Market

- **Demographics** of a Data Scientist in 2019

- Angellist **report** on LA tech scene.

- Linkedin **report** on Data Science 2018.

- IBM **report**: Demand for DataSc & Analytics Workforce.

- StackOverflow Developer **Survey** 2018.

Angellist Report- Summary

- 72% of LA's software engineering grads leave LA for their first job.

- Quote "We have to be more accomodating to new engineers…"(pg. 7)

- **Attrition:** The problem of hiring only Senior-level talent.(pg. 12)

Linkedin Report- Summary

- Cities with the highest shortages of data science skills.

IBM Report- Summary

- Data Scientist roles require more advanced degrees as minimum qualifications. (page 7)

- Data Scientist roles are the most "disruptive".(page 15)

- Data Scientists have the highest (39%) expected growth among analytics professionals.(page 21)
  - 43% of postings require Master's or higher.

StackOverflow Survey- Summary

- Women are more likely to be Data Professionals.
  - Section: Developer_Profile.V.Demographics
- Data Scientists have less experience than other roles.
  - Section: Developer_Profile.III.Experience
- Data Scientists are more likely to be looking for a job.
  - Section: Work.V.Looking for a job
- Data Scientists earn more than others in relation to experience.
  - Section: Work.VIII.Salary

Greek Persuasion for the Job Search

- **Ethos**: <u>Ethical appeal</u>. Appropriate language and vocabulary, making yourself sound fair or unbiased, introducing your expertise, accomplishments or pedigree, and by using correct grammar and syntax.

- **Pathos**. <u>Emotional appeal.</u> Using meaningful language, emotional tone, emotion evoking examples, stories of emotional events, and implied meanings.

- **Logos**. <u>Appeal to logic.</u> Using advanced, theoretical or abstract language, citing facts, using historical and literal analogies, and by constructing logical arguments.

Formula to be a Data Scientist

```
1   # Appeal to Logic, skills
2   logos == Languages(Python/R,SQL,Java/Scala,Julia) +
    Packages(Pandas,Scipy,Tensorflow,...) +
    Environments(Jupyter,AWS-Sagemaker,GCP-ML) +
    Tools(Docker,Flask,Anaconda,...)
3
4   # Appeal to status, credibility
5   ethos == (Phd AND DS_Internship) OR (MSc AND DS_Internship
    AND (DS_Bootcamp OR Some_Experience)) OR (Bsc AND
    DS_Internship AND DS_Bootcamp AND Lots_Experience)
6
7   # Appeal to emotion. story. conveying uninterested passion.
8   pathos == "I've been into stats since before it was
    considered sexy by ForbesMagazine" OR "I've been a data
    scientist since before people called themselves that"
```

The Ultimate "pathos" in Data Science

Interview with Kaggle Grandmaster, Senior Computer Vision Engineer at Lyft: Dr. Vladimir I. Iglovikov

Summary:

Theoretical physics Phd, learned Data Science online a few months before graduation when visa was expiring. First job after Phd: "Data Scientist" (Oct 2015).

Quote

"A big tech company, Mail Ru Group, agreed to pay me the prize money, it was $15k, but I did not feel that I deserve them, so I asked to transfer them to a fund that supports theoretical Physics."

Closing notes

- Formal education credentials are the biggest gatekeepers for data science jobs, but this barrier is gradually disappearing thanks to ds bootcamps.

- Make sure whatever you study has a "Ethos" attached to it.
  - Bootcamps have good reputations and look good as resume experience.
  - MOOCs: Edx, Coursera.
  - Online Masters in Data Science (Self-paced) for $20k

- If you're interested in a course/ bootcamp, try not to leave your current job. The best time to look for a job is when you have a job.

- If not a job, a bootcamp may server as a bridge toward a master's in data science, after which your non-technical college major won't be an impediment.

- A job as a data analyst is proven path to later becoming a data scientist.

Happy Analyzing

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