Losers have goals, winners have systems
- Scott Adams
Outline

- Introduction
- Data Science Interview Process
- Approaching Your Data Career
- Resources
- Takeaways
- Q&A
Introduction

Vimarsh Karbhari
- Software Engineering Manager
- Security, E-commerce, Recruiting
- Software Development, Data Science
- Acing AI Blog

Johannes Giorgis
- Senior Software Engineer
- Financial Technology, IoT, Recruiting
- Software Development, Data Science
- Cloud Infrastructure
Approaching Your Data Career

1. Company Maturity
2. Industry
3. Role of Data
4. Availability of Data
5. Your Role within the Data Stack
Approaching Your Data Career

Company Maturity - Start Up

- Getting to MVP
- Get to Product/Market Fit
- Data Collection & Storage

→ From Concept to Production
→ Full Stack Data Scientists
Approaching Your Data Career

Company Maturity - Medium

- Proven Product/Market Fit
- Focused on Growth
- Start to standardize tools

→ Hire more specialized roles
→ Scientists, Analysts, Engineers
Approaching Your Data Career

Company Maturity - Large

- Mature Product
- Expand Product & Revenue Lines
- Scale Up
- Diversity of domains

→ Specialized teams
→ Organized team structure
Approaching Your Data Career

Company Maturity - Conglomerate

- Mature Product Lines
- Explore Utilizing their Data
- Explore Additional Data Avenues
- Diversity of domains

→ Extremely Specialized Roles OR

→ Full Stack Data Scientists
Approaching Your Data Career

Industry

- Disrupted by data
- New industries
  - Ezra
- Old Industries
  - Shell.ai

→ What excites you?

Source: https://medium.com/applied-data-science/every-arrow-on-this-diagram-is-a-data-science-project-775339e51828
Approaching Your Data Career

Role of Data

Product vs Growth
Approaching Your Data Career

Availability of Data

- Data comes from your product
- Data is acquired
Approaching Your Data Career

Your Role within the Data Stack

THE DATA SCIENCE HIERARCHY OF NEEDS

- COLLECT: INSTRUMENTATION, LOGGING, SENSORS, EXTERNAL DATA, USER GENERATED CONTENT
- MOVE/STORE: RELIABLE DATA FLOW, INFRASTRUCTURE, PIPELINES, ETL, STRUCTURED AND UNSTRUCTURED DATA STORAGE
- EXPLORE/TRANSFORM: CLEANING, ANOMALY DETECTION, PREP
- AGGREGATE/LABEL: ANALYTICS, METRICS, SEGMENTS, AGGREGATES, FEATURES, TRAINING DATA
- LEARN/OPTIMIZE: A/B TESTING, EXPERIMENTATION, SIMPLE ML ALGORITHMS
- AI, DEEP LEARNING

Source: https://towardsdatascience.com/data-engineer-vs-data-scientist-bc8dab5ac124
Resources

Mock Interview Practice
- Pramp
- Gainlo

Matching/Discovering Opportunities
- TripleByte
- Hired
- Seen

Take Home Practice
- Acing AI Interview Series
- HackerRank - Interview Preparation Kit
- LeetCode
- Interview Cake
Acing Data Science Interviews

- Self Paced
- Hours of video sessions covering each topic from SQL to ML System Design
- Exclusive Content - Company blogs research coupled with our database of questions
- Covering the full interview lifecycle
- Private Slack Community
- 1 Year access to everything

Join the April cohort
Takeaways

- Ask Relevant Questions
- Remember You are an Interviewer
- Lead to the Solution
- Practice - Practice - Practice
- Do Mock & Informational Interviews
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