

Careers in Data Engineering

Agenda

- Overview of Insight
- Data Engineering
- Q&A

Who is this session intended to help

- Programmers who want an overview on the Insight Data Engineering Program

Who is this session NOT intended to help

- Applicants who want to learn how to code
- Applicants who have specific questions about the Coding Challenge
- Applicants who want more information on how to do well on the data science, health data science, artificial intelligence, devops engineering, decentralized consensus, security fellowship process



Overview of Insight



**DATA
SCIENCE**



**DATA
ENGINEERING**



**HEALTH
DATA SCIENCE**



**ARTIFICIAL
INTELLIGENCE**



**DEVOPS
ENGINEERING**



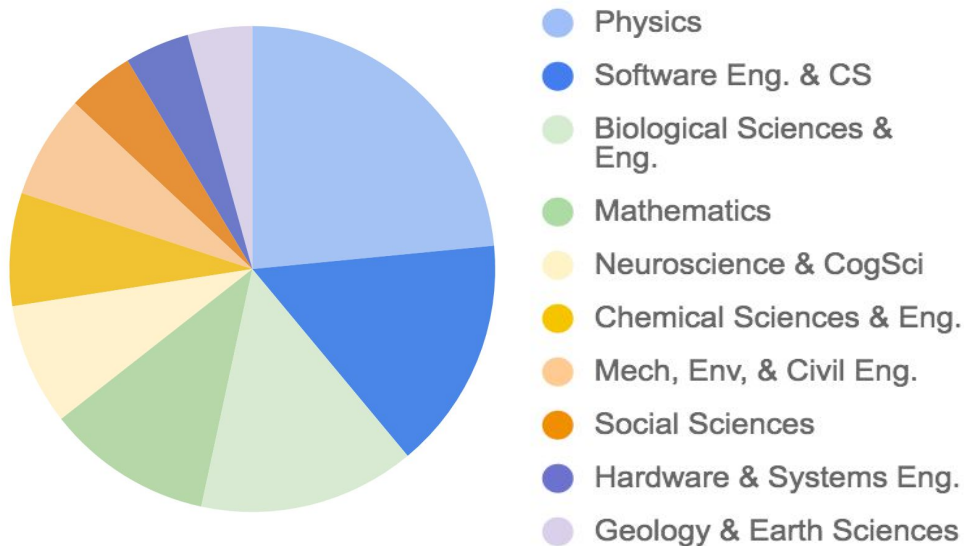
**DECENTRALIZED
CONSENSUS**



SECURITY

- Full-Time Programs
- Fully Remote Sessions
- Applicant Mentorship Available
- Scholarships Available
- No educational requirements for 5 of the 7 programs
- Fellows come from academia AND industry

Fellows come from a range of backgrounds:



Insight is committed to improving access to opportunities for traditionally underrepresented groups in tech. In addition to interventions to improve access to the Fellows Program, we're also working to provide an equitable experience where all Fellows feel a sense of belonging in the Insight Community. Here are a few ways we're making it happen:

Admissions

- Insight candidate mentorship program for underrepresented groups
- Insight & partner company sponsored scholarships available
- Learn more at: insightfellows.com/scholarships

Fellows Program

- DEI Summit, with lightning talks, panel discussions, and keynote speaker
- Data ethics & bias training
- Team dedicated to initiatives that improve the Fellow experience

...And Beyond

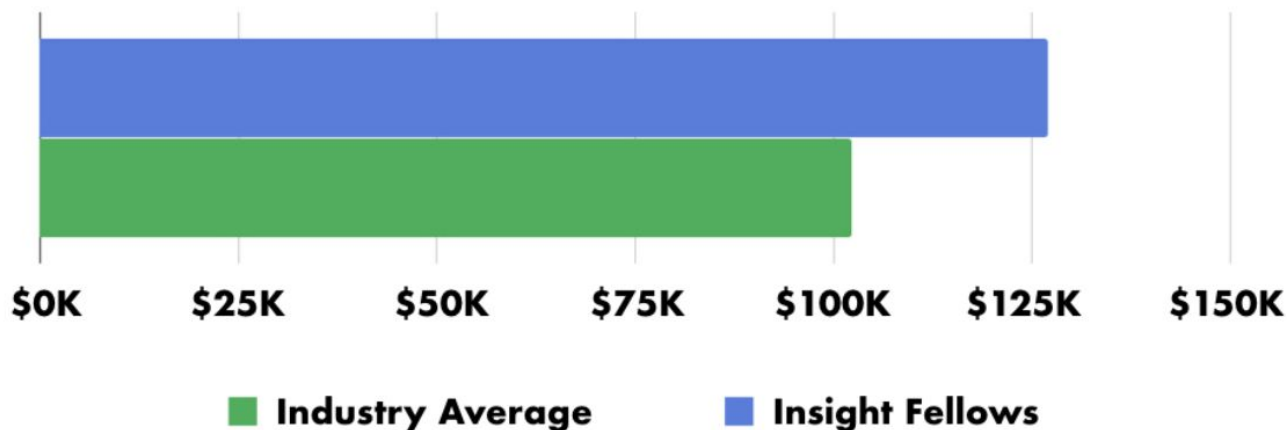
- Insight alumni provide mentorship to incoming Fellows
- Affinity groups to continue supporting the alumni community



Fellow Outcomes

Fellows **earn 24% more than industry standards**

Average Starting Base Salary























In addition to an average base salary of \$127,363, Fellows receive an average bonus of \$11,200.

Source: Data reported from Fellows that completed Insight 2017-2019, compared to corresponding market data reported on Glassdoor in May 2020.



Fellows join top companies in advanced roles

Number of Insight Fellows who have joined each of our top 20 hiring companies

 107	 51	 50	 48	 38
 33	 33	 32	 30	 30
 30	 26	 24	 24	 19
 18	 16	 16	 15	 15



Project-based Learning

- WHY**
- Show teams your full potential
- WHAT**
- Learn skills in a cutting-edge area
 - Build your portfolio with highly-demanded technologies
- HOW**
- Actively learn by building
 - Gain hands on experience with guidance from industry experts



Company Visits & Demos

- WHY**
- Meet the team members you'd work with
 - Present to the teams that fit you
- WHAT**
- Over 38% of demos lead to an interview
 - 3x higher for Fellows than traditional applications
- HOW**
- Get your foot in the door with the hiring manager
 - Guidance on presenting to hiring managers, and prep for each company

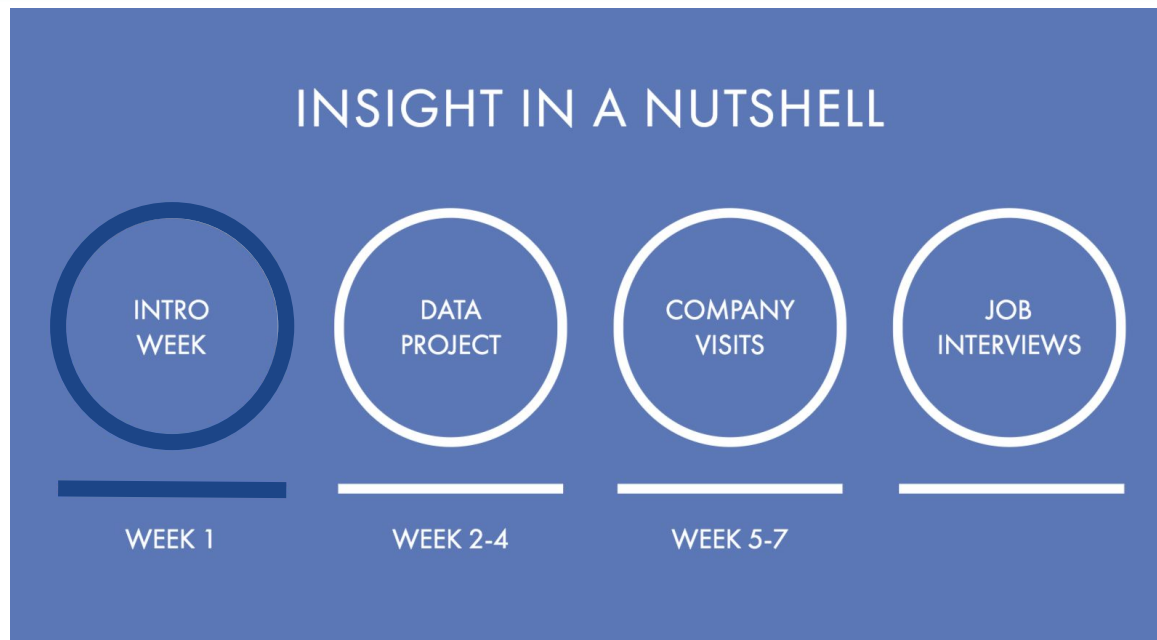


* Source: [Jobvite 2019 Recruiting Funnel Benchmark Report](#)

Interview Preparation & Coaching

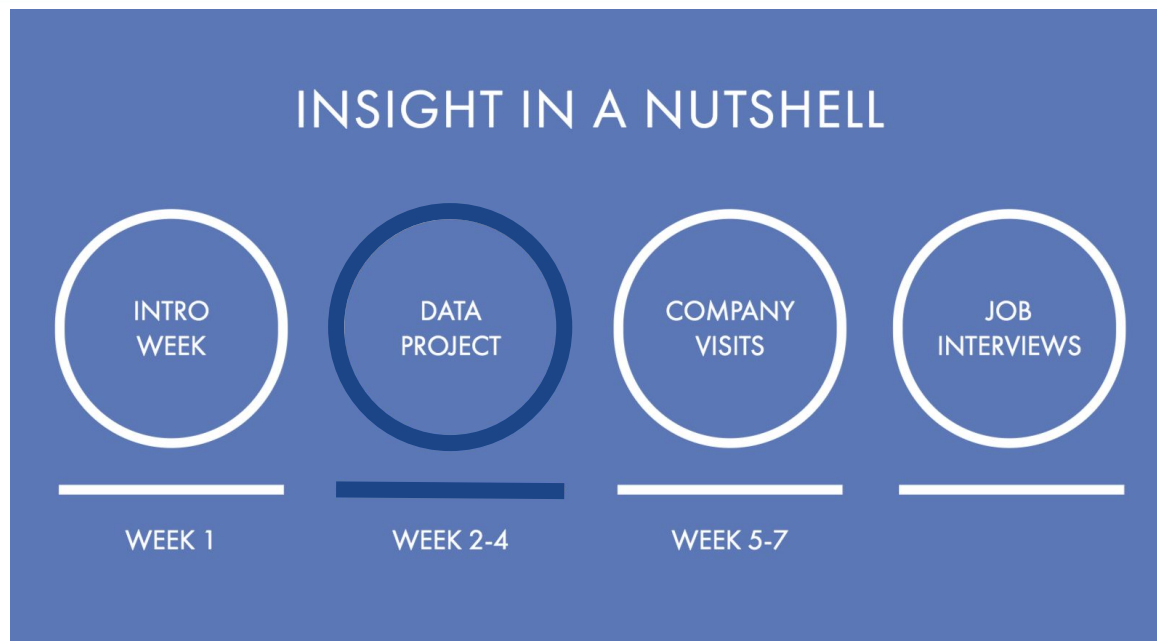
- WHY**
- Interviews naturally have noise
 - Interviews require deliberate and customized practice
- WHAT**
- Insight Fellows **get jobs 40% faster** with personalized support
- HOW**
- Personalized preparation for your interviews
 - One-on-one mock interviews, tailored to help you show the skills needed for each company
 - Negotiation support for offers leads to 24% higher salaries





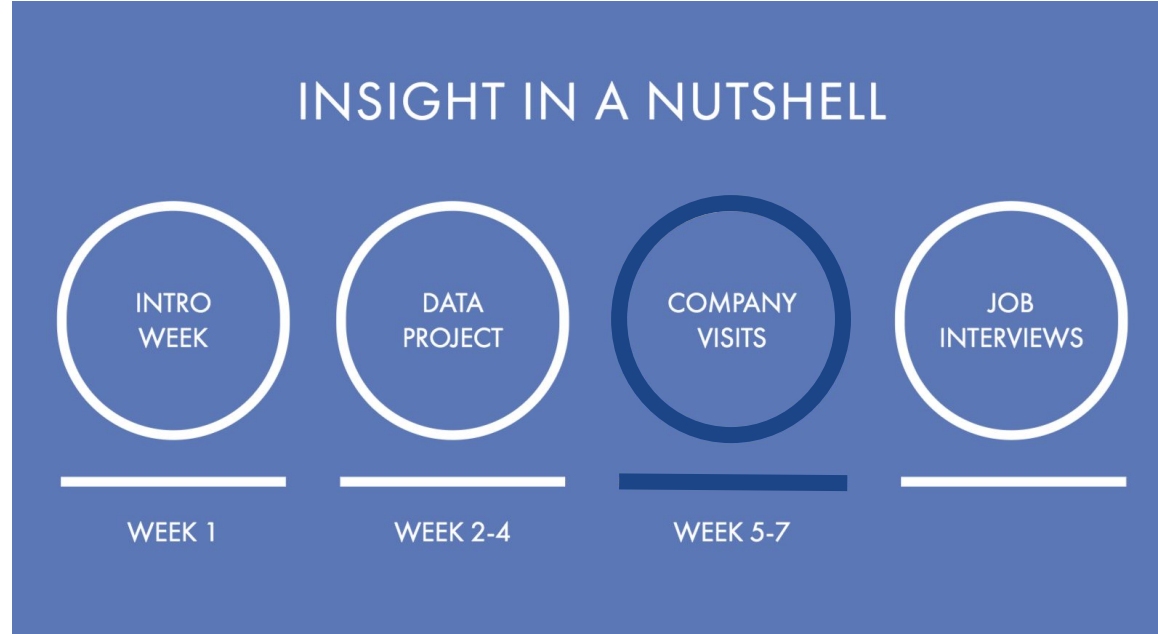
- Introduction to program and high-level concepts in the field
- Select a project and set up cloud computing environment





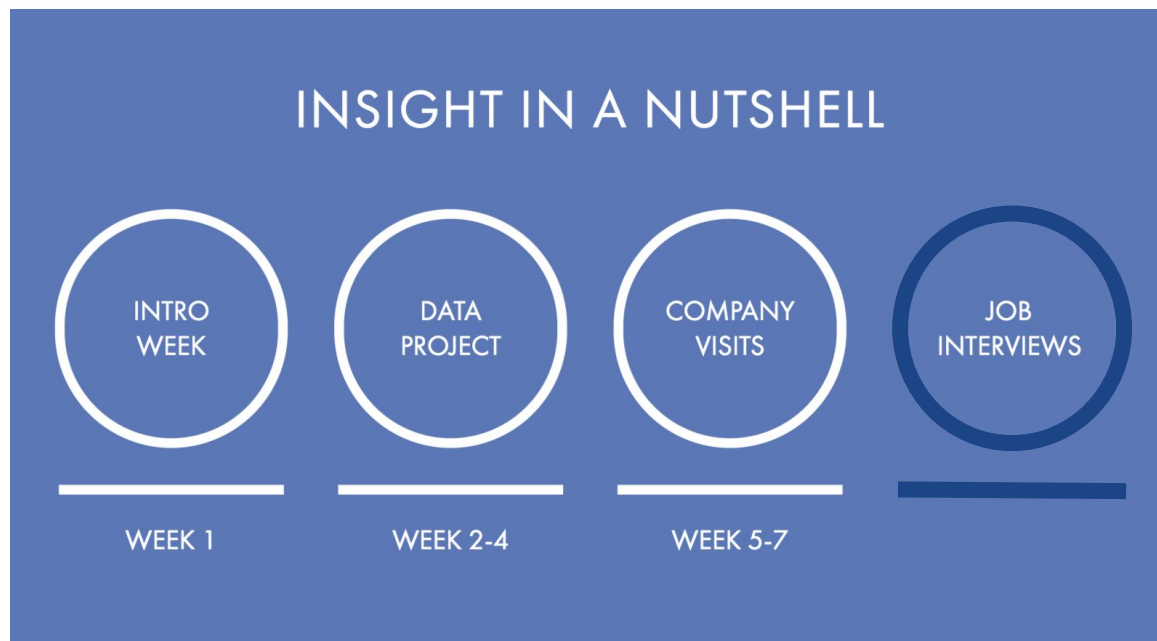
- Fellows work on their projects
- Hiring managers from Insight's partner companies visit and meet with Fellows, chat about team, culture, values, open roles, desired skills and experiences





- Present completed projects to hiring companies
- Mock interviews and help each other prepare for interviews.



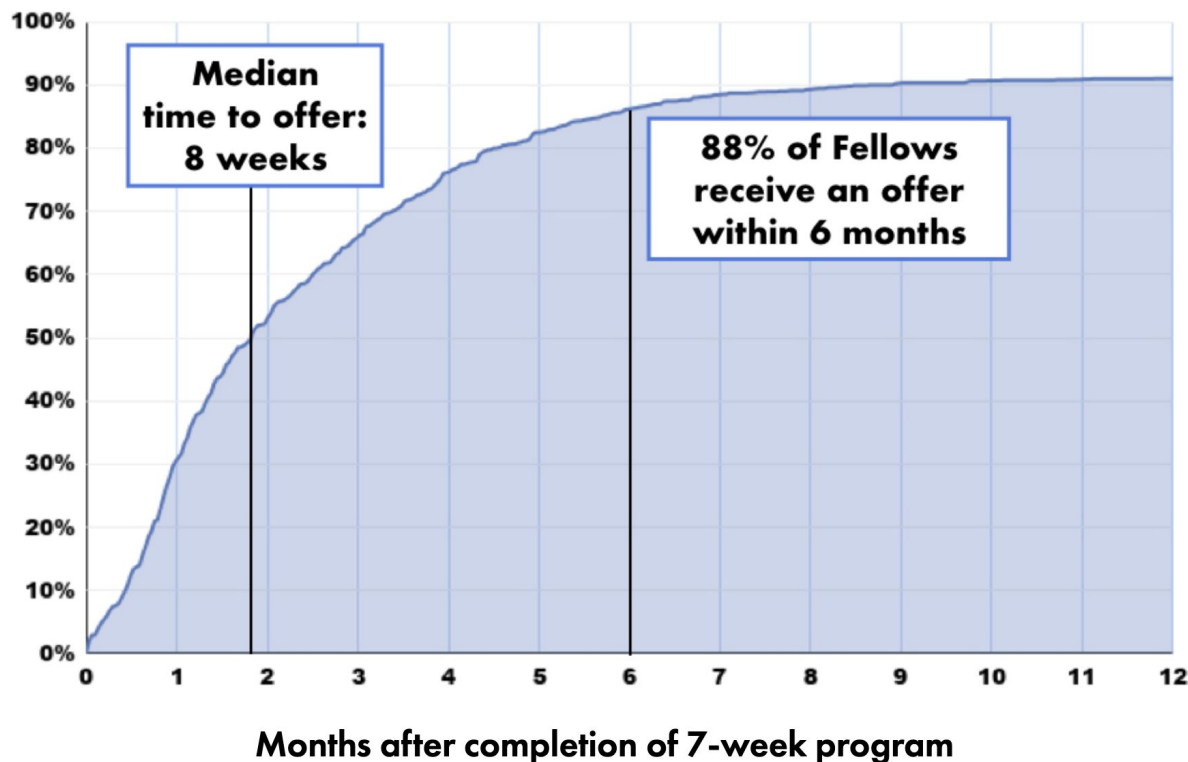


- Begin interviewing with companies, with personalized preparation
- Introductions to new companies continue through demos and resumes



Structure of the Program: Receiving offers

Percent of Fellows that receive offer in relevant field



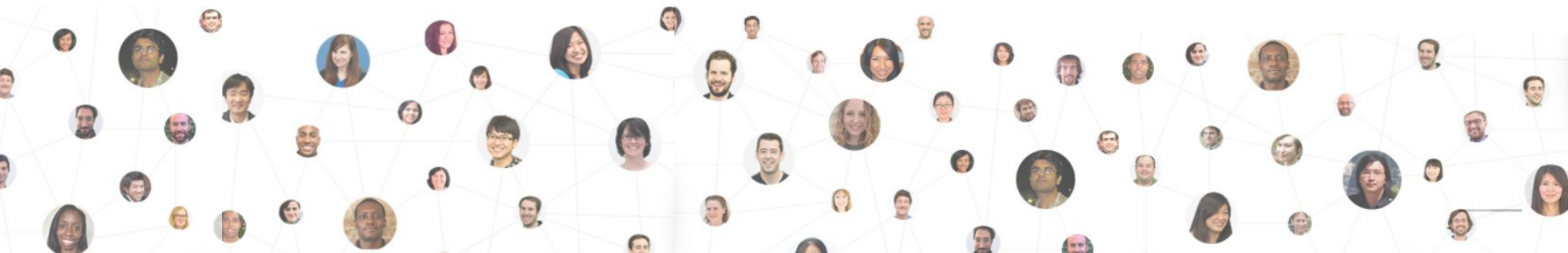
Source: Date of accepted offer reported by Fellows that joined Insight during 2017-2019



3500+
DATA
SCIENTISTS &
ENGINEERS

Successful Fellows create a lifelong network

- Past Fellows mentor new Fellows, just as the previous Fellows did for them
- The Fellow community accelerates learning through participation on our exclusive knowledge platform
- Deferred membership dues enable the program for future Fellows



When you become a Fellow, Insight makes a guarantee to you with three components:

\$100K+ SALARY

You accept an offer for a position that earns at least \$100,000 USD annually.

WITHIN 6 MONTHS

You accept an offer dated within 6 months of the end date of the 7-week training program.

IN A RELEVANT FIELD

You accept an offer within a field **relevant** to the programs offered by Insight.

Fellows receive the full membership benefits for the remainder of their careers, even if their financial commitment is waived as a result of the guarantee not being satisfied.



Data Engineering

Data engineering

- Software engineering with a specialization in data
- Focuses on backend processing with an attention to data quality, storage, process efficiency and optimization

Who'd be good for it:

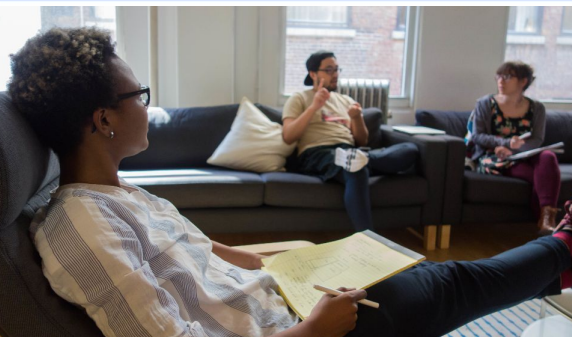
- You enjoy coding business logic and dealing with data but also making sure the process is performant
- You have interest in data science but your speciality is around the software engineering aspects of it
- You care about data and you're adept at handling large datasets



What do Data Engineers do?

- Develop, construct, test and maintain architectures for big data
- Align architecture with business requirements
- Data acquisition
- Develop data set processes
- Identify ways to improve data reliability, efficiency, and quality
- Use large data sets to address business issues
- Deploy sophisticated analytics programs, machine learning and statistical methods
- Prepare data for predictive and prescriptive modeling
- Use data to discover tasks that can be automated





Upcoming Application Deadline

To apply, visit:

apply.insightfellows.com

Next application deadline:
Monday, October 12

Next session begins:
Tuesday, January 19, 2021





Want to learn more?

Visit: insightfellows.com



Questions?

Email us at: info@insightfellows.com

