

Problem Statement:

What situations are most conducive to success in switching to a data science career?

Context:

According to MIT Sloan Management Review, in 2019, LinkedIn ranked “data scientist” the No. 1 most promising job in the U.S. based on job openings, salary, and career advancement opportunities and reported a 56% rise in job openings for data scientists over the previous year. It is also relevant that on Glassdoor ranked data science as the number one job on their website. Finally, there are over 3x more job postings than job searches for data-science. The question I want to answer is: What type of people are most likely to fill this huge demand for data scientists?

<https://sloanreview.mit.edu/article/the-recessions-impact-on-analytics-and-data-science/>
<https://data-flair.training/blogs/data-science-job-trends/>
<https://quanthub.com/data-scientist-shortage-2020/>

Criteria for Success:

A clear picture of exactly what factors are most influential to a new role in data science and what combination of factors are most likely to do the same.

Be able to predict if someone can get a new job with more than 80% accuracy.

Scope of Solution Space:

Use of all available data to get 80% accuracy on prediction and know which factors are best predictors of job search success.

Key Stakeholders:

Jack Roubin -> currently in Springboard and looking for data science jobs

Data Sources:

Kaggle -> **HR Analytics: Job Change of Data Scientists**

Predict who will move to a new job

<https://www.kaggle.com/arashnic/hr-analytics-job-change-of-data-scientists>