

# Data Science

## CAREER PLAN

**Data scientists** draw on methods from probability, statistics, mathematics, and computer science to make predictions about complex systems. Developed by Vidisha, a data scientist and Coursera content expert, **this guide will help set your path to becoming a data scientist.**

Start here to become an

### ENTRY-LEVEL DATA ANALYST

Learn Mysql, Math, Statistics

#### Excel to MySQL: Analytic Techniques for Business Specialization

Specialization (5 courses)

Offered by



#### FOUNDATIONS

##### Inferential Statistics

Course

DUKE UNIVERSITY

##### Data Science Math Skills

Course

DUKE UNIVERSITY

Further your skills to be an

### ENTRY-LEVEL DATA SCIENTIST

Learn R, Python, Statistics, Data Analysis, Data Visualization, Machine Learning

#### IBM Data Science Professional Certificate

Professional Certificate  
(9 Courses)

Offered by



#### FOUNDATIONS

##### Python for Everybody

Specialization (5 courses)

UNIVERSITY OF MICHIGAN

#### Data Analysis in R with dplyr

Project

Offered by



#### Mastering Software Development in R

Specialization (5 courses)

JOHNS HOPKINS UNIVERSITY

Advance your career as a

### SENIOR-LEVEL DATA SCIENTIST

Learn Tensorflow, Machine Learning, Deep Learning

#### Mathematics for Machine Learning

Specialization (3 courses)

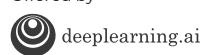
Offered by



#### Deep Learning

Specialization (5 courses)

Offered by



### Boost your resume with high-value credentials

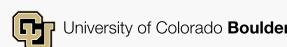
#### Master of Applied Data Science

Degree



#### Master of Science in Data Science

Degree



#### Master of Computer Science in Data Science

Degree



#### Master of Machine Learning and Data Science

Degree



# 90%

received a career benefit

# 51%

improved their job candidacy

# 28%

started a new career

# 44%

picked a new career path

### WHAT COURSERA LEARNERS SAY

## Peter's Learner Story

I started as a business operations manager and realized I could make a greater impact in my work if I was more data-driven. Since I had a non-technical background, I didn't know where to start. Two colleagues who are data scientists recommended that I take courses to learn either R or Python programming and statistics and start building a portfolio of work projects that involved data analysis. Over the next 18

months, I completed multiple courses on Coursera including a Statistics with R Specialization and began building a portfolio. I really enjoyed what I was learning so I knew I wanted to go beyond just learning data analysis skills. Then, a position opened up on the data science team. I felt ready with my portfolio and coursework so I applied, interviewed, and got the job."

## Peter Barna

DATA SCIENTIST AT COURSERA  
[LINKEDIN.COM/IN/BARNAP/](https://www.linkedin.com/in/barnap/)

## Our expert-curated path is brought to you by

**Vidisha Vachharajani is a Data Science Vertical Manager at Coursera.** She has curated this career plan using insights from data science teams at companies like IBM, Google, Adobe along with her 5+ years as Statistician and Data Scientist. She has a PhD in Economics and an MS in Statistics from the University of Illinois at Urbana-Champaign.



## Vidisha Vachharajani

DATA SCIENCE VERTICAL MANAGER  
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## Need more help choosing a course in Data Science?

Email your questions to [product-specialist@coursera.org](mailto:product-specialist@coursera.org)

**Was this guide helpful to you? We'd love to hear your feedback!**



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