

Data Science: Data Analytics Specialist

Materials & teaching in English



In 6 weeks you'll build a full analytics toolkit in Python, SQL, Excel, and Tableau. You finish with real projects to show for it.

Data analytics is one of the most consistently in-demand skill sets across industries. From finance and healthcare to retail and tech, organizations rely on people who can make sense of their data and communicate what it means. The tools have become standard, and so have the expectations.

This course gives you a complete introduction to the analytics field. You start with the fundamentals: cleaning, analyzing, and visualizing data with Python, using industry-standard libraries like pandas and seaborn. From there, you build the statistical thinking that sits behind any sound analysis, and learn how to recognize and avoid the most common data visualization mistakes.

The course then moves into the three tools that appear most frequently in analytics job postings. In Excel, you work with pivot tables, chart types,

and data handling techniques used in real reporting workflows. In SQL, you learn to query and aggregate data from relational databases, join multiple tables, and work with window functions. In Tableau, you go from connecting a data source to building polished dashboards and real-time views that communicate findings clearly to any audience.

Throughout the course, you work on real datasets. You analyze hotel cancellations, explore startup trends, query Hacker News data, and build dashboards from scratch. Each project is something you can walk through in a job interview and add directly to your portfolio.

By the end, you will have completed five structured tracks, worked through hands-on labs across all four tools, and built a solid foundation in the analytics skills employers are actively hiring for.

You will learn



Data Science Foundations

- Clean, analyze, and visualize data with Python
- Work with pandas and seaborn on real datasets
- Build data projects for your portfolio



Data Literacy & Statistics

- Understand how statistics support data conclusions
- Recognize misleading graphs and visualization traps
- Analyze data types, quality, and missing values



Excel for Data Analysis

- Explore and filter datasets with formulas and sorting
- Build pivot tables and pivot charts from raw data
- Visualize data with charts, heatmaps, and conditionals



Databases with SQL

- Write queries to retrieve and filter data with SQL
- Use aggregate functions and multi-table joins
- Apply window functions to rank and analyze trends



Data Visualization with Tableau

- Connect, clean, and prepare data in Tableau Desktop
- Build charts, dashboards, and real-time data views
- Use calculations and filters to communicate insights



Communicating with Data

- Design visualizations that inform stakeholder decisions
- Build and deliver dashboards and data stories
- Present findings clearly with Tableau and Excel

The course is for you if you...

- ✓ want to work with data professionally and are looking for a structured path through the full analytics toolkit: Python, SQL, Excel, and Tableau, with real projects along the way.
- ✓ have some experience with data or tech and want to develop practical analytics skills that are directly applicable across data, business intelligence, and analyst roles.

Course structure

The course includes self-paced online sessions, Labs and a Final Exam assessment. You also get access to a library of e-books.

Careercoach

You also can spar with Itucation's career coach regarding CV, application and job strategy. If you wish to take advantage of this offer, please send an email to kurser@itucation.dk



Upcoming courses

- Start every monday!

Information & Pris

Location	E-learning, Selfstudy
Classes	5 days a week
Duration	6 weeks
Price for applicants	Free for unemployed*
*Free, if you fulfil the criteria for 6-week job-oriented training programs via the Jobcenter	
Price for jobcenter:	Kr. 19.600 (ex. moms)
Sign-up	www.itucation.dk Or contact us on 7027 2784

Information til a-kasser og jobcentre

Regional positivliste

E-learningkurset er godkendt.

Se vores hjemmeside for listetitel og

listenumre.

Pris

Kr. 19.600 (ex. moms)

Ugepris: kr. 3.266,66 (ex. moms)

Betalingstilsagn sendes til

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