Database Management and Data Analysis with MySQL & SQL

100% free with a **Bildungsgutschein** from the Arbeitsagentur

FOCUS
TOP
ANBIETER FÜR WEITERBILDUNG
2026
XDi
Experience Design
Institut
FOCUS.DE/BUSINESS

Discover the world of database management

Join us in this database training & SQL course with a Bildungsgutschein to become a Certified Data Analyst. Study online at your own pace with mentor support, and develop expertise in database management, exploratory data analysis and business intelligence as well as MySQL and SQL. Kick-start your career with a well-paid, rewarding job and graduate with an AZAV certificate.

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An overview of your career

Learn at your own pace with this database management-bootcamp fully online and flexible, whenever and wherever it suits you. Design your learning journey and advance at a rhythm that matches your lifestyle. Acquire in-demand, practical skills in database management, exploratory data analysis and business intelligence as well as MySQL and SQL. Learn 1-on-1 with an experienced mentor, accompanied by your personal study advisor and our career coaches. Make yourself job-ready and secure a future-proof job.

Skills you'll master

- Relational databases, database management & data analysis
- Databases and database management systems: MySQL and SQL
- Table design, arithmetic operations, data grouping, and sorting techniques
- Advanced SQL for business intelligence and data analysis
- HAVING clause, WHERE, SELECT, wildcards, transactions (ROLLBACK, START TRANSACTION, COMMIT), etc.

Tools, techniques & methods

- MySQL
- SQL
- Database
- Data Analysis
- Database Management
- Data Management
- Business Intelligence (BI)

Details of your course

Format
Guided E-Learning

Duration
Vollzeit: 4 Wochen
Teilzeit: 8 Wochen

Start
Wöchentlich, immer montags

Scope
Vollzeit: 35 h / Woche
Teilzeit: 17,5 h / Woche

Languages
English
German

Benefits of our Guided E-Learning boot-camps

Learn anytime, anywhere

Tailor your professional development to your preferences, schedule and lifestyle. Learn anytime, anywhere and at your own pace.

Personal mentoring via video meetings

Book an appointment at any time with your mentor, who will accompany you on your learning and career path and provide you with personal support.

Job-ready practice in real-world projects

Our courses are based on practical, industry-specific scenarios and teach practical skills that can be directly applied in your professional life.

University-level multimedia content

You will benefit from interactive content at university level. You can expect comprehensive articles, videos, quizzes and practical exercises that bring the theory to life.

Interactive live sessions with industry experts

Take part in interactive live workshops with industry experts to dynamically review and deepen your understanding of the learning content covered.

Career services for your new job

With application training, career consultations and our active job placement service, we help you on your way to your new job.

Learn how it suits you

...just like you enjoy it!

Full-time

Want to immerse yourself fully in database management? Then take part in our full-time intensive course.

- Qualification in 4 Wochen
- Learn full-time flexibly
- 35 Stunden per Woche

Part-time

Do you have a part-time job, children or other commitments? Then take the database management-course part-time.

- Qualification in 8 Wochen
- Learn part-time flexibly
- 17,5 Stunden per Woche

While working

Do you have a full-time job and hardly any time to study during the day? Then study alongside your job, in the evenings or at weekends.

- Qualification in Monate
- Study online alongside your job
- Stunden per Woche

Satisfaction guarantee

Try it for 14 days

Feel free to try the course risk-free for up to 14 days from the start date. If it doesn't meet your expectations, you may cancel your enrollment at no additional cost.

Our course is suitable for the following people

Unemployed & job seekers

You are unemployed or seeking work, eligible for a Bildungsgutschein, and want to use this time to qualify for a new job as a Data Analyst.

Career changers and professionals switching fields

You are a professional from another industry and want to become a Data Analyst to advance your career, grow, and seize new opportunities.

Employees at risk of unemployment

You are an employee at a company affected by structural change, your job is at risk, and you need training to secure your position.

New employees & career starters

You have just started a job in a new work environment and lack the relevant skills to meet the job's demands and work productively.

Aspiring Data Analysts

You are a Data Analyst and want to expand your knowledge in database management and advance your career.

Graduates and students

You have recently graduated or are still studying and want to enhance your academic qualifications with practical, industry-relevant skills.

Your career prospects and job opportunities

Take the next step in your career

Secure a job in one of the fastest-growing professions in the technology industry. Acquire in-depth knowledge in relational databases, data analysis, business intelligence and MySQL/SQL. Develop exactly the skills you need for a career as Data Analyst. Secure an attractive, well-paid job with a future in the IT industry.

€ 56.500
Average annual salary

200
Average monthly job offers

+8-10%
Estimated employment growth by 2030

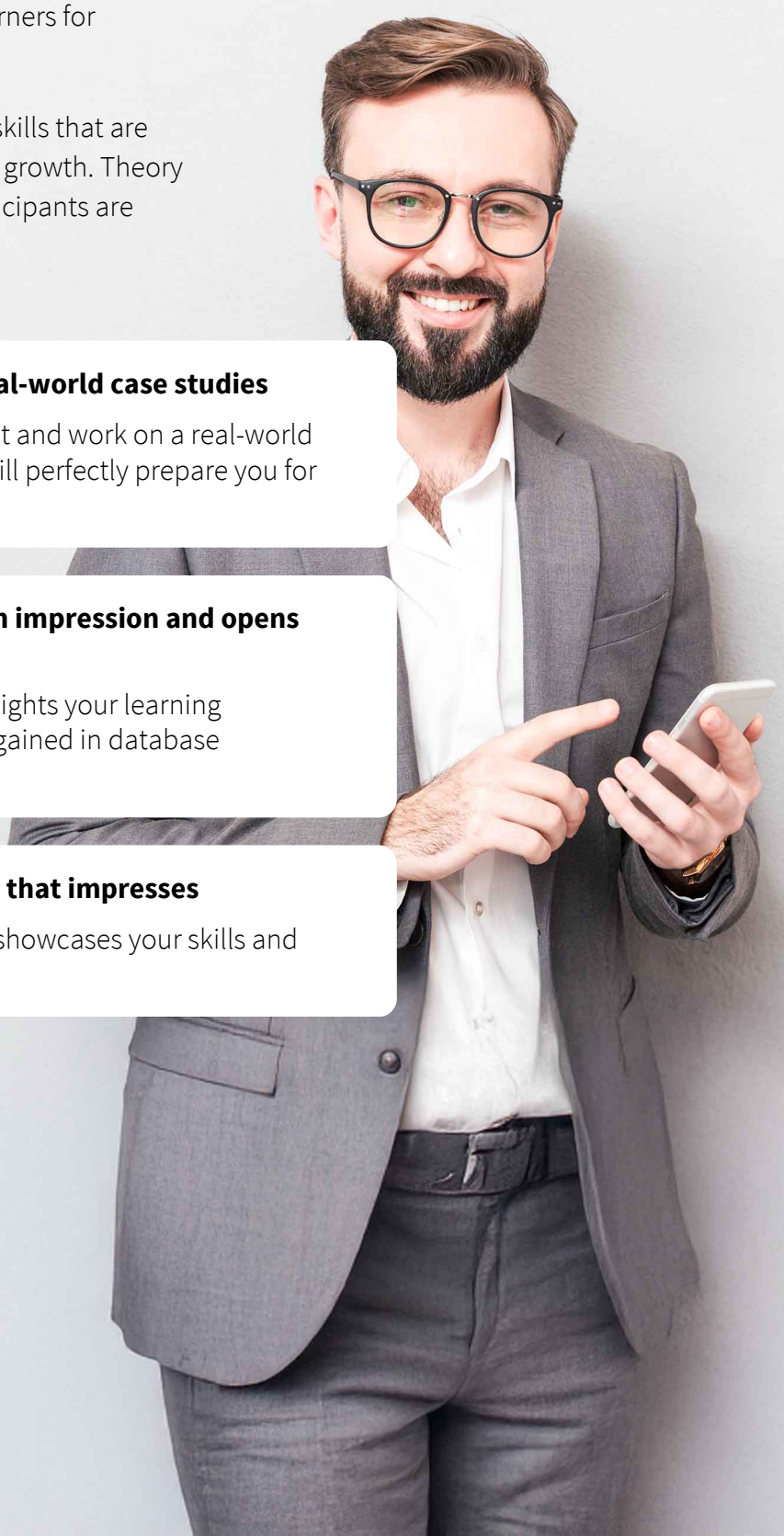
Top 10
Estimated employment growth by 2030

Project based learning

Hands-on practice. Capstone project. Recognized portfolio that stands

Through project-based learning, we ensure a holistic, active, and sustainable approach to skill development that bridges theory and practice and optimally prepares learners for real-world challenges.

Our courses primarily focus on developing the skills that are essential for professional success and personal growth. Theory and practice complement each other, and participants are actively involved in the learning process.



Project with assignments and real-world case studies

Start your professional development and work on a real-world project! Tackle realistic tasks that will perfectly prepare you for your future job.

A capstone project that makes an impression and opens doorst

Create a capstone project that highlights your learning achievements and the skills you've gained in database management.

An industry-recognized portfolio that impresses

Create an impressive portfolio that showcases your skills and opens doors with hiring managers.

CURRICULUM

What you will learn

Hands-on education in the skills of the future

In this database management course, you will acquire the most important skills based on a curriculum designed by industry experts. The database management training includes industry-validated, interactive content at a university level and extensive hands-on experience in real projects. You will build a portfolio and complete the program with a capstone project.

Module 1

Introduction to Relational Databases, Database Management & Data Analysis

This module is an introduction to the world of relational databases – including their structure, purpose and key concepts such as tables, primary keys and foreign keys.
You will also learn how SQL fits into the bigger picture of database management and data analysis – laying the foundation for the practical exercises in the following modules.

Core Skills

Relational databases | SQL | Fundamentals of data analysis | Business intelligence basics | MySQL | Database management systems

Learning Outcomes

- to understand the basic structures and concepts of relational databases – including tables, primary keys and foreign keys.
- to explain the role of SQL in the context of database management and data analysis.
- to recognize the practical benefits of relational databases for data-driven decision making processes in business contexts.

Content

- Welcome to the world of databases
- What is a relational database? Core concepts and data structures
- Introduction to data analysis with SQL and database management

Module 2

Databases and Database Management Systems: MySQL and SQL

Get started with MySQL and SQL by learning how to install MySQL Workbench, create databases and tables, and write basic SQL queries.
In this module, you'll learn how to filter data, join multiple tables and use SQL for basic calculations, grouping and sorting – laying the foundation for real data projects.

Core Skills

Database concepts | SQL | Relational database | MySQL Workbench | Table design

Database creation | Aggregate functions | Arithmetic operations | Data grouping | Sorting techniques

Learning Outcomes

You will learn:

- Set up and operate MySQL Workbench – including creating databases and designing relational tables.
- Write and execute basic SQL queries to insert, update and retrieve data.
- Apply SQL clauses such as WHERE, JOIN, GROUP BY and ORDER BY to filter, combine and analyze data across multiple tables.
- Perform basic data aggregation and arithmetic operations to gain data-based insights.

Content

- Introduction: the relational database model and SQL
- Installation and first steps with the MySQL Workbench
- Getting started: creating a database and tables
- Inserting, editing and querying values
- Further options for using the WHERE clause
- Using foreign keys in the database
- Joining queries for multiple tables
- The JOIN command: using data from multiple tables
- Counting entries, summing values and other mathematical operations
- Grouping and sorting data

Module 3

Advanced SQL for Business Intelligence and Data Analysis

Expand your SQL knowledge with advanced query techniques used in business intelligence and data analysis.
In this module, you will learn about conditional logic, wildcards, date and time functions, access rights and transaction control. You will also work with practical BI queries and learn how to import external data from CSV files and use it for analyses.

Core Skills

HAVING clause, WHERE, SELECT | Wildcards (placeholder characters) | CASE WHEN, END, THEN, ELSE | Foreign keys | CONCAT, alias, virtual tables, views

Database access rights | Transactions (ROLLBACK, START TRANSACTION, COMMIT) | Window functions | Import of CSV files

Learning Outcomes

You will learn:

- to apply advanced SQL concepts such as HAVING, CASE and wildcards to gain deeper insights from relational databases.
- to work with date and time functions, virtual tables and views to support dynamic reporting requirements.
- to manage user access rights and execute transactions with SQL commands such as COMMIT and ROLLBACK to ensure secure data processing.
- to import external data from CSV files and integrate it into SQL-based analyses – for practical BI use cases.

Content

- Introduction: more sophisticated SQL commands for BI
- Defining conditions with the HAVING clause
- Working with wildcards
- CASE: linking actions to conditions
- Relationships between tables with foreign keys
- Advanced options for data output
- Working with date and time specifications
- Managing database access rights
- Transactions for more secure data processing
- Important advanced SQL queries for BI – Part 1
- Important advanced SQL queries for BI – Part 2
- Importing CSV files

Human-centered learning

in an online learning environment

Online, but not alone. Our proven, human-centered approach guarantees you ongoing support and a dedicated team to guide you every step of the way.

Superb learning outcomes

Start with great mentors

Our mentors will guide you every step of the way on your learning journey with experience, expertise, and a genuine commitment to your success. After all, learning is always easier when you have people who believe in you.

Personal 1-on-1 mentoring

Receive personalized feedback and tailored support from industry experts during regular video calls.

Review and Support

From portfolio reviews to interview coaching: our mentors will help you get ready for the job.

Structured support

Week after week, your mentor will help you stay on track, grow, and reach your goals.

Valuable feedback

From individual project tasks to your final assignment, your mentor will provide you with feedback on your practical work.

Career services

for you and your future

With our career services, we guide you through the entire professional development, from onboarding to successful completion and beyond. We support you from your first career goal to signing your contract with personalized coaching, practical support, and smart tools. We ensure that you're ready for the job market and connect you with interesting employers.

Academic advising

Our academic advisors are here to offer you guidance and support, and will help you overcome any challenges that come your way.

Job application training

You'll benefit from free job application training tailored to the needs of employers.

Career advice sessions

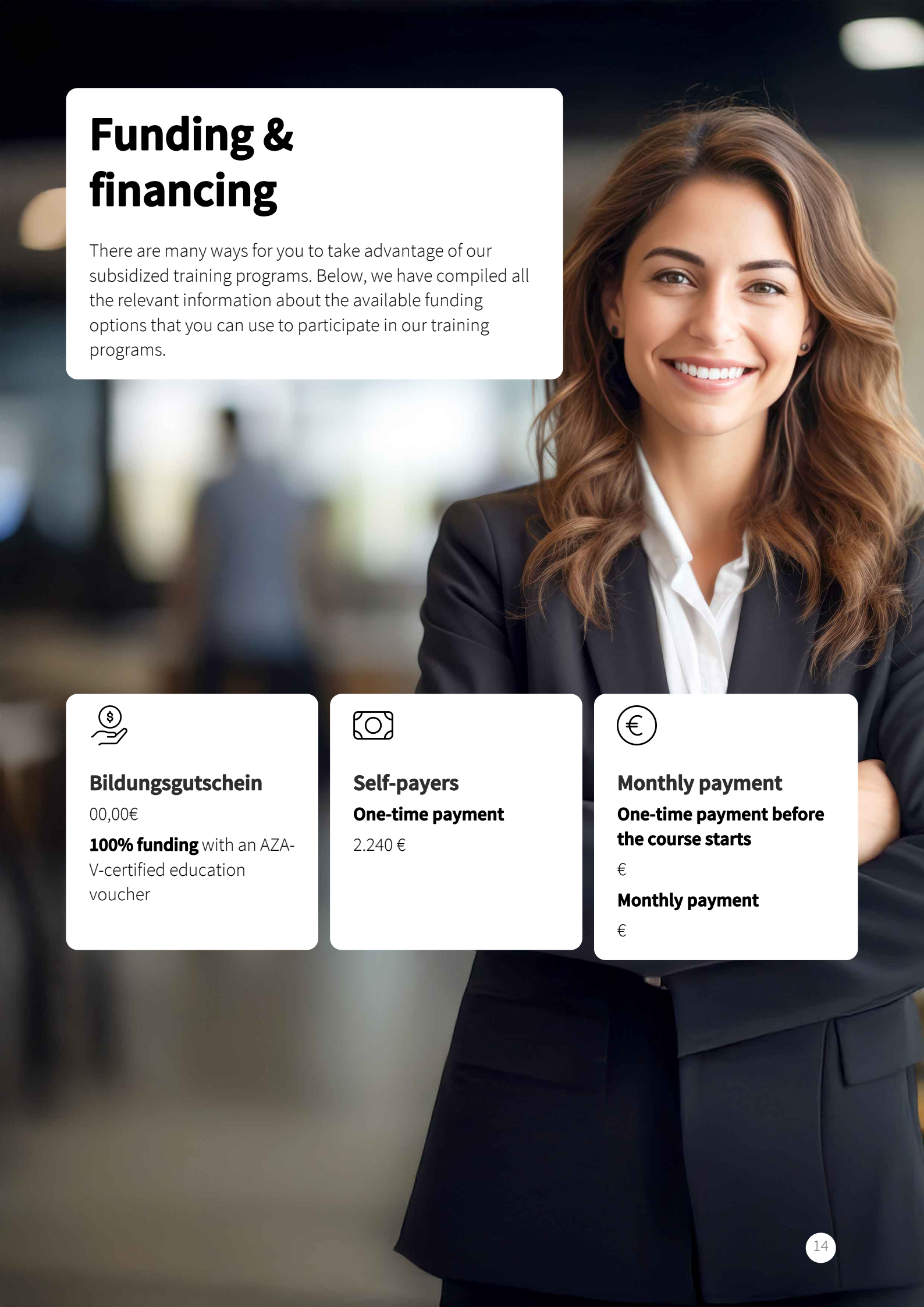
We offer free career counseling sessions with experienced HR managers to provide you with personalized advice.

Career coaching

Our career coaches will support you from the very start of the course and provide you with the best possible preparation for your professional career.

Funding & financing

There are many ways for you to take advantage of our subsidized training programs. Below, we have compiled all the relevant information about the available funding options that you can use to participate in our training programs.



Bildungsgutschein

00,00€

100% funding with an AZA-V-certified education voucher

Self-payers

One-time payment

2.240 €

Monthly payment

One-time payment before the course starts

€

Monthly payment

€

Bildungsgutschein

100% funded professional development

Take advantage of training or retraining funded through a Bildungsgutschein from the Agentur für Arbeit! You get the chance to gain specific skills and seize new career opportunities. All further training costs are covered by the Agentur für Arbeit or the Jobcenter.

A Bildungsgutschein allows you to participate in training programs free of charge. These are financed by the Agentur für Arbeit or the Jobcenter to support residents in Germany to upskill and improve their professional qualifications.

Maßnahmenummer

Full-time:
Part-time: 955/134/2026

Here's how to get your Bildungsgutschein

1 Consultation
Make an appointment at your local Agentur für Arbeit.

2 Bootcamp
Choose an XDi course of your choice.

3 Course offer
Request a quote for the course of your choice.

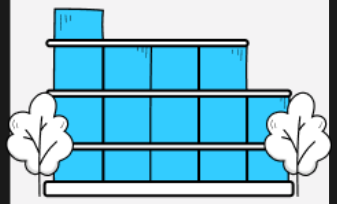
4 Application
Submit an application and your course offering.

5 Registration
Register and submit the education voucher.

Qualifizierungschancengesetz

For job seekers and employees

At a time when technologies are constantly evolving, and the world of work is transforming, companies need to invest in professional development and upskilling of their employees. This ensures they are prepared for the challenges of the future and enables organizations to successfully navigate the digital transformation.

Company size	**<50** Employees	**<500** Employees	 **from 500** Employees
Further Training cost	**100%**	**50%**	**25%**
Wage subsidy	**75%**	**50%**	**25%**

Benefit from XDi

XDi focuses on new, interactive teaching and learning formats based on the latest findings in brain research. Our motto is “learning by doing”; participants in our training programs learn to apply relevant methods and techniques through practical exercises in realistic projects, with the support of a personal mentor.

Officially recognized certificate

Upon completion of the training program, you will receive the „Data Analyst“ certificate from the XDi – Experience Design Institute. The certificate is recognized by German UPA, the Interaction Design Foundation, and UXPA, and has earned an international reputation.

Top salary & career opportunities

More jobs require more knowledge. Many of our students achieved positive results after attending our seminars.

Business Analyst
analyses business processes and supports optimisations

Up to **63.000€**

Data Analyst
analyses data and creates reports for data-driven decisions

Up to **56.500€**

Data Engineer
builds and maintains data infrastructure for analytics and applications

Up to **65.800€**

Data Scientist
develops models, evaluates big data and delivers forecasts

Up to **64.000€**

Machine Learning Engineer
develops and implements machine learning models and algorithms

Up to **66.000€**

See for yourself!

Show more →

Andreas Manietta

Die Weiterbildung zum "Certified Data Analyst" war ein entscheidender Erfolgsfaktor – in kürzester Zeit habe ich mein Wissen auf ein neues Level gehoben. Das dynamische und fokussierte Tempo war genau richtig, um mich voll zu fordern und konsequent an den Themen dran zu bleiben. Besonders wertvoll waren die praxisorientierten Strategien, die sofort umsetzbare Ergebnisse lieferten. Die durchdachten Fragen und wegweisenden Impulse haben nicht nur mein Denken erweitert, sondern klare Handlungsfelder für zukünftige Erfolge aufgezeigt. Eine weitere Weiterbildung ist für mich keine Frage des Ob – sondern des Wann, um weiter strategisch zu wachsen.

Daniel Naesa

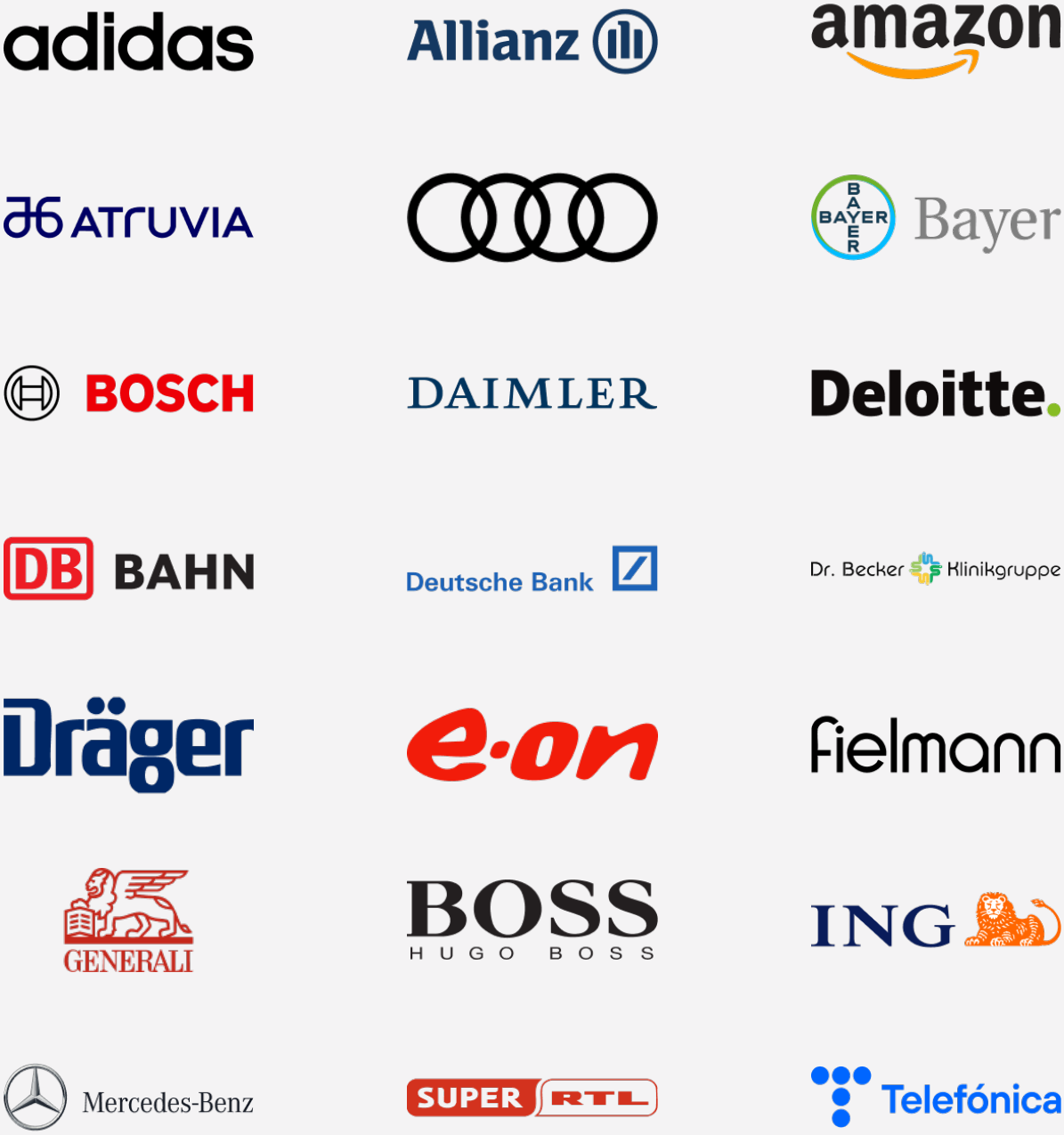
Die Teilnahme am "Certified Data Scientist" Kurs war für mich eine bahnbrechende Entscheidung. Die Fülle an praxisrelevantem Wissen hat meine Erwartungen übertroffen und mir ein tieferes Verständnis für komplexe Datenanalysen vermittelt. Die Herausforderungen im Kurs haben nicht nur meine Fähigkeiten gestärkt, sondern auch meine Motivation zu Höchstleistungen angespornt.
Die Betreuung durch XDi war exzellent, und ich fühle mich bestens gerüstet für anspruchsvolle Projekte in der Datenwissenschaft. Ich empfehle diesen Kurs jedem, der seine Karriere in diesem Bereich auf das nächste Level heben möchte!

5/5	4,5/5	4,9/5	4,7/5	4,9/5	4,7/5
Google	Trustpilot	Kursfinder	Career Karma	Course Report	SwitchUp

Our references

These companies are training their workforce with us and recruiting our students.

See all our references →



Certified and accredited

Government-approved and **100% eligible** for funding. Get some advice on how to get everything you need for the Federal Employment Agency.

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XDi

Learn today for the world of tomorrow

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