



Database Management and Data Analysis with MySQL & SQL

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



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 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



Data Management



Database Management



Business Intelligence (BI)

Details of your course



Format

Live Online Training &
E-Learning Selbststudium



Duration

Vollzeit: 4 Wochen
Teilzeit: 8 Wochen



Start



Scope

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



Languages

English
German

Benefits of our Live Online Training & E-Learning Selbststudium bootcamps



Interaktive Live Trainings mit Branchenexperten

Du nimmst an interaktiven Live Workshops mit Branchenexperten teil – so lernst du direkt vom Experten und erzielst nachhaltige Lernerfolge.



Job-ready Praxis in realen Projekten

Lerne mithilfe realer, branchenspezifischer Szenarien und erwerbe praxisnahe Fähigkeiten, die du unmittelbar im Job einsetzen kannst.



Unbegrenzter Zugang zu multimedialen Inhalten

Du profitierst von interaktiven Inhalten auf Hochschulebene! Wir vermitteln lebendiges Wissen mit Artikeln, Videos, Quizze und praxisnahe Übungen.



Jederzeit und von überall lernen

Passe deine Weiterbildung deinem Lebensstil an. Lerne online jederzeit und von überall. Laptop und Internetanschluss reichen aus.



Karriereservices für deinen neuen Job

Mit Bewerbungstrainings, Karrieresprechstunden und unserer aktiven Jobvermittlung helfen wir dir auf dem Weg zu deinem neuen Job.



Vollzeit

Du willst voll und ganz in database management eintauchen? Dann nimm an unserem Intensivkurs in Vollzeit teil.

- Abschluss in 4 Wochen
- Vollzeit online lernen
- 35 Stunden per Woche



Teilzeit

Du hast einen Halbtagsjob, Kinder oder anderweitige Verpflichtungen? Dann absolviere den database management-Kurs in Teilzeit.

- Abschluss in 8 Wochen
- Teilzeit online lernen
- 17,5 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



Arbeitslose oder Arbeitssuchende

Du bist arbeitslos oder arbeitssuchend, hast Anspruch auf einen Bildungsgutschein und willst die Zeit nutzen, um dich für einen neuen Job als Data Analyst zu qualifizieren.



Quereinsteiger und Berufsumsteiger

Du bist eine branchenfremde, berufstätige Fachkraft und möchtest Data Analyst werden, um dich beruflich zu verändern, zu wachsen und neue Chancen zu nutzen.



Von Arbeitslosigkeit bedrohte Angestellte

Du bist Mitarbeiter eines Unternehmens im Strukturwandel und dein Job ist in Gefahr. Mit einer kostenlosen Weiterbildung über den Bildungsgutschein nach dem Qualifizierungschancengesetz kannst du dich gezielt qualifizieren und deinen Arbeitsplatz sichern.



Fachkräfte & Spezialisten

Du bist Spezialist in deiner Disziplin, möchtest dein Fachwissen ausbauen, dich zertifizieren lassen oder dich optimal auf eine Zertifikatsprüfung vorbereiten.



Absolventen und Studierende

Du hast kürzlich dein Studium abgeschlossen oder studierst noch und willst deine akademischen Qualifikationen durch praktische, branchenrelevante Fähigkeiten erweitern.



Interessierte Personen

Du interessierst dich für database management und möchtest die praktische Anwendung von Data Analyst-Tools für persönliche oder berufliche Zwecke kennenlernen.

Die perfekte Mischung

für deinen Lernerfolg

Du profitierst von einer perfekten Mischung aus Live Trainings mit erfahrenen Trainern, hochwertigen E-Learning-Inhalten auf Hochschulebene und einer Community für Austausch und Zusammenarbeit.



Tägliche Live Trainings

- Tägliche Termine
- 35 Stunden per Woche
- 09:00 - 16:00



E-Learning

- Multimediale Inhalte
- Selbstbestimmt lernen
- Jederzeit und überall



Karrierservices

- Bewerbungstraining
- Karrierecoaching
- Jobvermittlung



Community

- Unbegrenzter Zugang
- Austausch & Zusammenarbeit
- Kollegen & Gleichgesinnte

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 doors

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



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 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.



Ausgezeichnete Lern- erfolge

Wir lassen dich nicht alleine!

Unser erprobter, menschenzentrierter Ansatz bietet dir stets die Unterstützung, die du brauchst und ein motiviertes Team, das dich auf deinem Weg begleitet.



Tägliche Live Trainings

Starte neu und lerne von erfahrenen Branchenexperten mit viel Praxis, um dich optimal auf deine berufliche Zukunft vorzubereiten.



Karrierecoaches begleiten dich

Unsere Karriere-Coaches begleiten dich von Tag 1 an und bereiten dich optimal auf eine erfolgreiche Karriere vor.



Studienberater an deiner Seite

Unsere Studienberater stehen dir bei allen Fragen zur Seite und meistern mit dir jede Herausforderung, die sich dir in den Weg stellt.



Deine kollaborative Gemeinschaft

Lernen geht am besten mit anderen. Da Lernen kein Alleingang ist, erhältst du einen exklusiven Zugang zu unserer Community.

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

2.500 €



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.

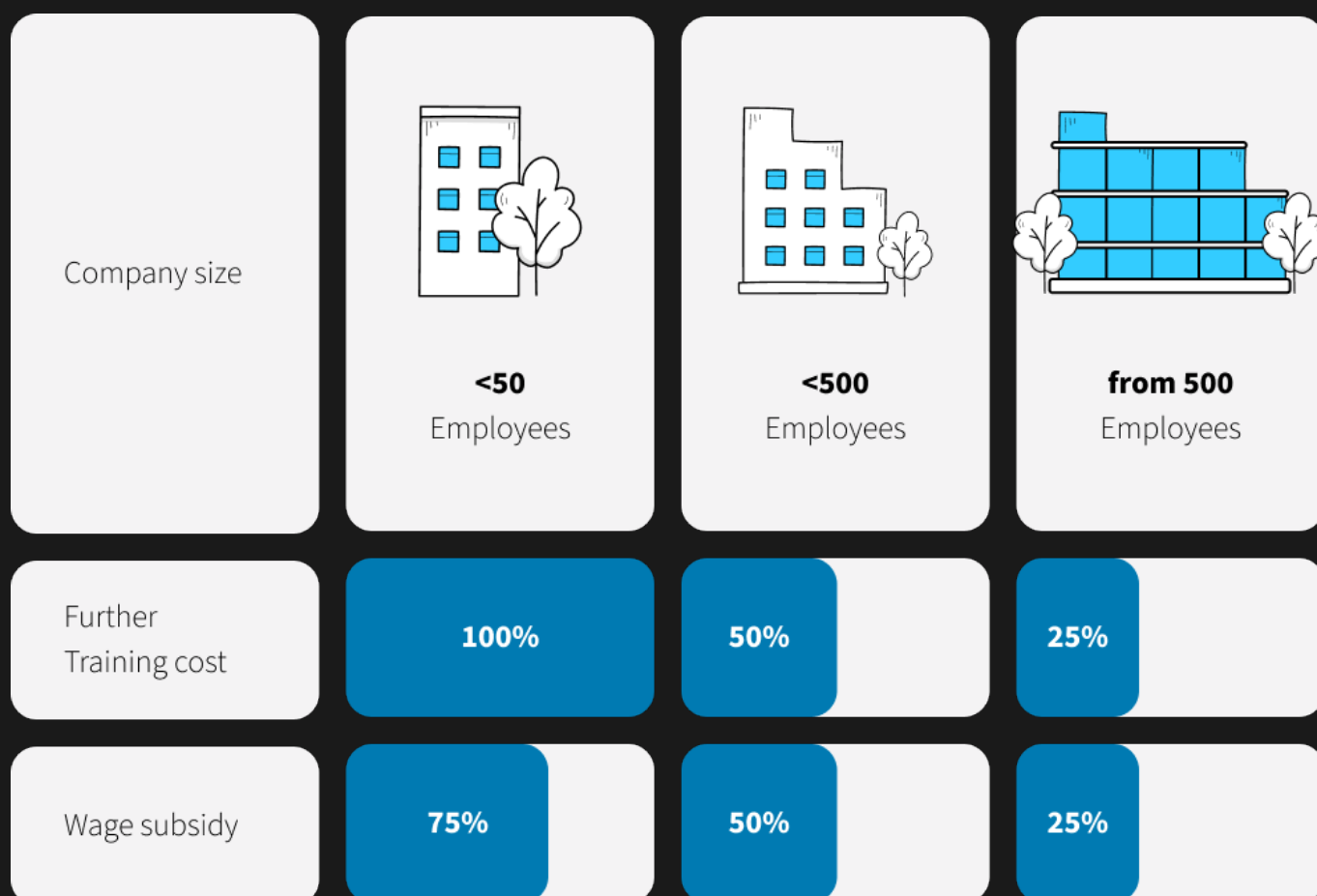
5 Registration

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.



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

Google



4,5/5

Trustpilot



4,9/5

Kursfinder



4,7/5

Career
Karma



4,9/5

Course
Report



4,7/5

SwitchUp

Our references

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

See all our references →

adidas

Allianz 

amazon 

 **AT&T**



 **Bayer**

 **BOSCH**

DAIMLER

Deloitte.

 **BAHN**

Deutsche Bank 

Dr. Becker  Klinikgruppe

Dräger

e-on

fielmann



BOSS
HUGO BOSS

ING 

 Mercedes-Benz

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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.



FOCUS

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WEITERBILDUNG
2026

XDi
Experience Design
Institut

FOCUS.DE/BUSINESS



**Learn today
for the world of tomorrow**

Contact

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🕒 Mo. - Fr. 08:00 - 17:00 Uhr

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