

Contact

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Data Science & AI Bootcamp

With IHK-Zertifikat

100% Free

via Bildungsgutschein

»» **neue fische**
School and Pool for Digital Talent

All contents at a glance

Become a Data Scientist – your entry into the world of AI and data-driven innovation:
Our intensive and hands-on bootcamp guides you step by step through everything you need to analyse complex data, build machine learning models, and apply AI tools to solve real-world problems. You'll start with the technical foundations and work your way up to developing and deploying your own end-to-end data science and AI projects – practical, application-oriented, and future-proof.

Our experienced coaches support you throughout the journey and prepare you for a career as a Data Scientist, Machine Learning Engineer, or AI Specialist – whether you're coming from an IT background or switching fields entirely. With real-world projects, a collaborative learning environment, and the opportunity to use an education voucher (Bildungsgutschein), you'll lay the foundation for a successful future in one of the most in-demand areas of tech.

NEW!
AI-optimized

**Programming & Database
Python**

- Pandas
- Numpy
- Scikit-Learn
- Statsmodels
- TensorFlow/Keras

Visualization

- Matplotlib
- Seaborn
- Plotly
- Altair

Unix

SQL

Git (Github)

**Exploratory Data Analysis
(EDA) & Statistics**

Data Analysis

- Distributional Analysis
- General Statistics

Data Visualization

- Distribution Plots
- Relationship Plots
- Geo Visualizations

Data Ethics

Data Cleaning

AB-Testing

**Data Science Portfolio
Projects**

Project 1

- Exploratory Data Analysis

Project 2

- Predictive Modeling
- Final Project:**
- Capstone (4 weeks)

**Machine Learning
Algorithms**

Supervised Learning

- Linear Regression
- Logistic Regression
- Decision Trees
- Random Forests
- KNN

Unsupervised Learning

- PCA
- K-Means
- Clustering
- Dimensionality Reduction

**Deep Learning
Natural Language
Processing
Time Series**

**Evaluation &
Performance metrics**

- Confusion Matrix
- Regression and Classification Metrics
- Error Analysis

Model tuning

- Bias-Variance Tradeoff
- Regularization
- Cross-validation

Optimization

- Gradient Descent
- Cost Functions

**Collaborative Working &
Social Learning**

Pair Coding

- Driver & Navigator

Agile Workflow

- Daily Stand-Ups + Kanban Project Board

Daily Class Review

- Team Work & Selforganization Skills

**Group Work, Individual
Exercises, Reversed
Classroom**

- (Presentations from Students)

**Career Coaching &
Mentoring**

**Machine Learning
Engineering**

- MLFlow Tracking
- Serving Machine Learning Models
- Online Dashboards
- Streamlit Deployment

Cloud

- Intro to GCP

**Communication with
Stakeholders**

Business presentation

- Non-technical Stakeholders

**Data Science Lifecycle
presentation**

- Technical Stakeholders

Stakeholder Review

- Compact & Time-critical Project Alignment

Soft skills

Teamwork

Problem solving

Communication

Time management

Adaptability

Attention to detail

Patience

Self-motivation

The curricula presented here represent an exemplary orientation for the course content. We expressly reserve the right to make adjustments to the content and sequence for didactic and organizational reasons as well as to adapt to the state of the art and the current requirements of the job market, without this affecting the character of the course and the overall quality of the content.

With us to the next (job) level

40%

average
percentage of women
in our bootcamps

2

Locations

on campus or remotely
from anywhere

7000+

Successful graduates

70+

Coaches with practical experience

Learn from the best: our coaches are
industry experts

2

Certificates

In addition to the neuefische certificate of completion, successful graduates receive the IHK certificate for "Data Science and AI Specialist" issued by HKBiS, the educational service of the Hamburg Chamber of Commerce.

2

-language bootcamps

We offer our bootcamps in
German and English



Accredible

HKBiS

This is us

Since 2018, neue fische has been offering a training and qualification program for IT professions that is unique in Germany. The team trains career changers and those returning to work in short boot camps to become qualified software, data and cloud talents and then brings them together with exciting employers from its network of over 70 partner companies.

Certified. Education with quality

"The company neuefische GmbH impresses with a very promising training program with a modern methodical approach. The high level of professionalism, the excellent industry networking and the innovative practical expertise of the management should be emphasized."

from the audit report

We support you *in getting started*

- »» 6.300 successful graduates
- »» Expert coaches with practical experience
- »» 100% Financed with the education voucher



Our Career Development in a Nutshell

At the heart of our Career Service is our Learning Management system (LMS). Here, our course participants receive career tips and support from the preparation of application documents to job search strategy and personal branding - all from a single source. We make sure you are well prepared for your job search. Our Career Service prepares our students not only theoretically but also practically for the demands of the market.

Phase 1

Getting to know each other:

Identification of skills

Phase 2

Sharing insider knowledge:

Understanding the job market

Phase 3

Tips for starting your career:

Milestones and successful completion

Phase 4

We connect:

Networking events to make contacts

- Interview Workshops
- Job Changing Strategies and Career Paths
- Salary negotiations
- Career Cupid: Networking event with companies, online and onsite (Berlin + Hamburg)
- Alumni "Ask me anything"
- Recruiters "Ask me anything"
- Professional Panels and Q+A
- Career Roadmap for international students

What are the career opportunities?

Jobs in the IT industry are constantly evolving. Here are just a few examples of job opportunities after completing an IT bootcamp:

Data Scientist*in

Data Engineer*in

Machine Learning Engineer*in

Business Intelligence Analyst*in

We have the options, *you* have the choice!

How much time do you have? → What do you want to learn?
Where do you want to study? → How do you want to pay?

95%
successful
completion
rate



What fits into your life right now?

No matter what life situation you're currently in, whether you're a university dropout, a job changer, a parent on parental leave or on the next career leap - with us you can learn when, how and where you want.

Which bootcamp do you choose?

Students can complete their bootcamp with us full-time in 12–16 weeks (Mon–Fri, 8:30 AM – 6:30 PM). Whether you join remotely (live online) or attend in person on campus depends on the specific bootcamp and your personal preferences

How do you want to finance your bootcamp?

We offer you various financing options for your coding bootcamp so that you can realize your dream job in the tech industry. Whether 100% free of charge with an education voucher from the Federal Employment Agency, as a self-payer or installment payer or with a scholarship for women or international students.

»Our team has trusted neuefische for quite some time now and their knack for supporting career changers. The constructive communication and high quality of training constantly show us that a candidate's CV is not the deciding factor..«



Robert Neuhanh,
Recruitment Lead DACH
bei **Accenture Song**

Über 70 Partnerunternehmen fischen in unserem Teich nach Talenten

The
Information Lab



DIS AG

Please get in touch with us at:

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