Certificate

We hereby confirm that
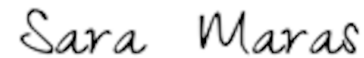
Kseniia Vasylieva

has completed the intensive program

Education and Training as Data Analytics Consultant

with 540 hours of programming practice
(corresponds to 720 lessons) successfully.
The course has been delivered remotely.

Participation from 03.02.2025   until   30.04.2025
Berlin, the   30.04.2025

Franz Wilhelmy
Franz Wilhelmy
Program Manager

Sara Maras
Sara Maras
Lead Coach

Certified by: **HZA** Hanseatische Zertifizierungsagentur

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School and Pool for Digital Talent

Curriculum Data Analytics Consultant

In 720 lessons the students have learned, discussed and practiced the following content in several tasks and Projects:

Programming & Tools
Unix
O Filesystem
Manipulations

Python
O Functions
O Data Types
O Pandas
O Matplotlib
O Seaborn

SQL
O Creating Tables
O Querying Data
O ETL and Data pipelines
Google Sheets
O Formulas
O Pivot tables

Lookups

Tableau
O Connecting to data
O Calculated Fields
O Level of Detail Calcs
O Dashboarding

Communication and Stakeholder Management
Requirements gathering
Answer first methods
Presentation techniques
Technical vs non-technical stakeholders
Stakeholder review

Math & Statistics
Descriptive Statistics
Inferential Statistics

Data Analysis
Exploratory Data Analysis
Data Visualization
Correlation
Distribution

Advanced Analytics
Regression & Classification
K-means
Distribution
AB test in Math & Statistcs.
KPIs & Metrics.

Collaborative Working & Social Learning
Pair Coding
O Drive & Navigator
Agile Workflow
O Daily Stand-Ups
O Daily Class Review

O Team work & Self-organization skills

Group Work
Individual Exercises
Reversed Classroom
Git-Workflow, Google Drive
Docs/Tables)

O Spot checks with instructional team
Project team work
O Git Project Board

Data Analytics Portfolio Projects

Project 1
O Python Data Analysis

Project 2
O Exploratory Data Analysis

Project 3
O Flights

Project 4
O Interactive Dashboard in Tableau

Final Project Capstone

(4 weeks)

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