Applied Statistical Methods for Data Science and Analysis

Introductory Course on Statistics with Certificate & Mentorship

Kurstyp	Online Seminar
Themen	Digitalisierung, Tools und Software, Data Science
Zielgruppe	This course is designed for beginner Data Analysts, IT professionals, and marketing or financial specialists looking to enhance their data analysis skills. It covers fundamental statistical methods, data management, and visualization techniques. Participants will learn to develop data-driven solutions and make informed business decisions.
Beschreibung	Learn essential statistical methods and data analysis techniques for data-driven projects! Understand key concepts like frequency interpretation, measures of central tendency (mean, median, mode), sampling, and hypothesis testing. Master data preparation, cleaning, and handling missing data, and explore data analysis approaches for social science, big data, and data mining. Grasp data visualization using tools like PowerBI, Tableau, and Excel, and gain experience with SPSS, JASP, and multivariate analysis techniques. Learn how to communicate data insights through infographics, reports, and presentations. As businesses increasingly rely on data-driven decisions, this knowledge enables more accurate forecasting, trend identification, and problem-solving, meeting the growing demand for data professionals.
Zusatzinformationen für Teilnehmer:innen	- The course will be held in English as well as all projects and questions will be submitted in English. - E-learning materials, self-paced: Access interactive digital materials and guided coding videos to study at your own pace, with one year of rewatching available. - Learn-by-doing approach, weekly schedule: Apply your knowledge through weekly practice exercises, requiring 8-12 hours of study each week. - Constant mentoring, live sessions: Receive feedback on projects, ask questions anytime, and join live sessions for personalized support. - Exam, certificate: Complete an exam and/or hand in your final project at the end of the course to earn a certificate for your CV and LinkedIn profile.
Dauer	6 weeks
Termin/e und Ort/e	02.06.2025 / 18:00 - 19:00 Uhr Introduction to Data Analysis and Statistics, Data Sources, Data Types 09.06.2025 / 18:00 - 19:00 Uhr Introduction to Data Analysis and Statistics, Data Sources, Data Types 16.06.2025 / 18:00 - 19:00 Uhr Data Analysis Approaches, Data Preparation for Analysis 23.06.2025 / 18:00 - 19:00 Uhr Basic Statistical Methods, Data Presentation, Data Visualization 30.06.2025 / 18:00 - 19:00 Uhr Tools for Data Analysis, Introduction to Multivariate Analysis 14.07.2025 Submission Final Project
Preis	650 CHF
Trainer/-in	Edmond Girasek Edmond Girasek, an associate professor at Semmelweis University, is a sociologist with a Ph.D. in health sciences and a business data analyst. With 20 years of experience in statistics, data analysis, and education (both in higher education and corporate training), he has been an expert in numerous national and international data warehousing and data analysis projects, primarily in higher education and healthcare. He has led statistical data analysis activities in many scientific research projects.

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