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LMU

DATA SCIENCE
PROFESSIONAL CERTIFICATE PROGRAM
@LMU

WB **Professional Certificate Program**

Data Science: APPLY NOW!

■ Prof. Dr. Bernd Bischl, ■ Giuseppe Casalicchio, M.Sc. and ■ Prof. Dr. Göran Kauermann (Department of Statistics) ■ Dr. Nils gentschen Felde, ■ Prof. Dr. Dieter Kranzlmüller and ■ Prof. Dr. Peer Kröger (Institute of Informatics) and ■ Markus Wiedemann, M.Sc. (Leibnitz Supercomputing Centre, Bavarian Academy of Sciences and Humanities)

The Professional Certificate Program „Data Science" is an extra-occupational training at LMU. Its purpose is to communicate adequate knowledge of the theory and methods of Data Science. With this background we would like to meet the potential in the practical work experience. The program orients itself along the following guidelines:

■ Introduction to the theoretical and practical concepts in the field of Data Science
■ Transfer of solid expertise in a wide scope of areas
■ Training of analytical and strategic skills

The Professional Certificate Program in generally intended for anyone working in any area of the working or educational life. In order to participate, either a university degree with focus in mathematics, statistics, computer science or related disciplines and at least one year of work experience is required or any kind of university degree qualifying and at least three years of work experience in an area relevant to the certified data science training program.

With an estimated workload of 200 hours (including time for preparation, follow-up work and preparation for the exam) the Certificate Program is developed as a one semester course taking place twice a year. The Professional Certificate Program is spread over nine days of teaching excluding the day of the exam.

Day	Topic Hours: 9 am to 5 pm	Summer term 2019	Winter term 2019/20
1	First steps in Data Analysis	03.05.19	18.10.19
2	Statistical Foundations	10.05.19	25.10.19
3	Causality and Causation & Visualization	17.05.19	08.11.19
4	Data Management	24.05.19	15.11.19
5	Predictive Modelling 1	07.06.19	22.11.19
6	Predictive Modelling 2 & Deep Learning	28.06.19	29.11.19
7	Unsupervised Methods	05.07.19	13.12.19
8	Tools and Concepts for Large Data Sets	12.07.19	10.01.20
9	Data Privacy, Security & Visualization	19.07.19	17.01.20
10	Day of the Exam	26.07.19	24.01.20

Application deadline summer term: 10th March 2019

Fee: 6500 €
(course and examination fee included)
Reduced Fee: 5200 €
for applicants from social, scientific and cultural facilities.

For more information please contact **weiterbildung@lmu.de** or visit **www.datascience-certificate.de**