



INFORMATION

■ Application deadlines:

Summer Term 2020: 29.02.2020
Winter Term 2020/2021: 23.08.2020
Summer Term 2021: 28.02.2021

■ Fee (including course and examination fee):

Regular: 6500 €
Reduced: 5200 € for applicants from social, scientific and cultural facilities

■ Questions concerning organization and registration:

LMU Unit for Professional Training
Phone: +49 89 2180 72244
E-Mail: weiterbildung@lmu.de

■ Questions concerning subject-specific content and curriculum:

Dr. Giuseppe Casalicchio
LMU – Department of Statistics, CEO of Essential Data Science Training GmbH
Phone: +49 89 2180 3196
E-Mail: giuseppe.casalicchio@stat.uni-muenchen.de



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



Data Science Certificate Program

APPLY NOW!

In cooperation with



**Essential
Data Science
Training**

SPEAKERS

- Prof. Dr. Bernd Bischl ■ Prof. Dr. Göran Kauermann (*Department of Statistics, LMU Munich*)
- Prof. Dr. Dieter Kranzlmüller ■ Prof. Dr. Peer Kröger (*Institute of Informatics, LMU Munich*)
- Dr. Giuseppe Casalicchio ■ Dr. Nils Gentschen Felde ■ Dr. Janek Thomas ■ Markus Wiedemann, M.Sc. (*Essential Data Science Training GmbH*)

PROGRAM DESCRIPTION

The Professional Data Science Certificate Program is an extra-occupational training at the LMU, Munich carried out with the LMU Spin-off Essential Data Science Training GmbH. The program provides practical and scientifically based knowledge of theories and methods of Data Science and addresses the needs of professionals in their everyday work. You can benefit from:

- Theoretical and practical concepts in the field of Data Science
- Transfer of interdisciplinary expertise in data management, predictive modelling, deep learning, visualization and much more
- Training of analytical and strategic skills

The Data Science Certificate Program is intended for anyone working in any area of business or education. 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 and at least three years of work experience in an area relevant to the Data Science Certificate Program.

With an estimated workload of 200 hours (including preparation, follow-up work and preparation for the exam) the Data Science Certificate Program is developed as a one semester course taking place twice a year. It is spread over nine Fridays of teaching and one exam day. You will receive a LMU-Certificate if you pass the exam.

AGENDA

Day	Topic	Summer Term 2020	Winter Term 2020/2021	Summer Term 2021
0	R Crash Course*	11.03.2020	tba	tba
1	First steps in Data Analysis	24.04.2020	23.10.2020	30.04.2021
2	Statistical Foundations	08.05.2020	30.10.2020	07.05.2021
3	Causality and Causation & Visualization	15.05.2020	13.11.2020	21.05.2021
4	Data Management	29.05.2020	20.11.2020	11.06.2021
5	Predictive Modelling 1	19.06.2020	27.11.2020	18.06.2021
6	Predictive Modelling 2 & Deep Learning	26.06.2020	04.12.2020	25.06.2021
7	Unsupervised Methods	03.07.2020	11.12.2020	02.07.2021
8	Tools and Concepts for Large Data Sets	10.07.2020	15.01.2021	09.07.2021
9	Data Privacy, Security & Visualization	17.07.2020	22.01.2021	16.07.2021
10	Day of the Exam	24.07.2020	29.01.2021	23.07.2021
Application Deadline		29.02.2020	23.08.2020	28.02.2021

The lectures are from 9 am to 5 pm with 4 x 90 minute time-slots for lectures and practical use cases. Two coffee breaks and a lunch break are included.

* Separate booking required. Please book here:
www.essentialds.de
For more general information please visit:
www.datascience-certificate.de