

Single Courses Fall 2021 – Spring 2022

Registrations can be directed via e-mail to our Admissions Manager Manon Pfeifer at pfeifer@mannheim-business-school.com.

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Price (tax exempt) |
|--|--|-----------------------|---|--------------------|
| Ethical Considerations for Data Science Research | Jessica Vitak (University of Maryland) | Sep 2 – 23, 2021 | Thursdays, 12 PM EDT / 6 PM CEST | 400.00 EUR |
| Step by Step in Survey Weighting | Benjamin M. Reist (NASA) | Sep 3 – 24, 2021 | Fridays, 7 AM EDT / 1 PM CEST | 400.00 EUR |
| Experimental Design for Surveys | Ashley Amaya (Pew Research Center) | Sep 7 – Oct 26, 2021 | Tuesdays, 8 AM EDT / 2 PM CEST | 800.00 EUR |
| Fundamentals of Survey and Data Science | Alexander Wenz (University of Mannheim) | Sep 8 – Nov 24, 2021 | Wednesdays, 11 AM EDT / 5 PM CEST | 1,200.00 EUR |
| Introduction to Real World Data Management | Alexandru Cernat (University of Manchester) | Sep 13 – Nov 8, 2021 | Mondays, 3 PM EDT / 9 PM CEST | 800.00 EUR |
| Machine Learning II | Trent D. Buskirk (Bowling Green State University) Christoph Kern (University of Mannheim) | Sep 24 – Nov 12, 2021 | Fridays, 11 AM EDT / 5 PM CEST | 800.00 EUR |
| Analysis of Complex Survey Data | Stefan Zins (Institute for Employment Research) | Sep 27 – Nov 22, 2021 | Mondays, 12 PM EDT / 6 PM CEST | 800.00 EUR |

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Price (tax exempt) |
|---|--|-----------------------|--------------------------------------|--------------------|
| Sampling I | Raphael Nishimura (University of Michigan) | Oct 7 – Dec 9, 2021 | Thursdays, 12 PM EDT / 6 PM CEST | 800.00 EUR |
| Web Scraping and APIs | Sascha Goebel (Goethe University Frankfurt) | Oct 27 – Nov 17, 2021 | Wednesdays, 7 AM ET / 1 PM CET | 400.00 EUR |
| Questionnaire Design | Gina Walejko (Google) | Jan 14 – Mar 4, 2022 | Fridays, 12 PM ET / 6 PM CET | 800.00 EUR |
| Introduction to Data Visualization | Richard Traunmueller (University of Mannheim) | Jan 19 – Feb 9, 2022 | Wednesdays, 12 PM ET / 6 PM CET | 400.00 EUR |
| Introduction to Big Data and Machine Learning | Frauke Kreuter (Ludwig-Maximilians-University of Munich) Trent D. Buskirk (Bowling Green State University) | Jan 31 – Feb 21, 2022 | Mondays, 1 PM ET / 7 PM CET | 400.00 EUR |
| Modern Workflow in Data Science | Alexandru Cernat (University of Manchester) | Feb 28 – Apr 25, 2022 | Mondays, 3 PM ET / 9 PM CET | 800.00 EUR |
| Usability Testing for Survey Research | Emily Geisen (Qualtrics) Jennifer Romano-Bergstrom (Google) | Mar 30 – Apr 20, 2022 | Wednesdays, 11 AM EDT / 5 PM CEST | 400.00 EUR |

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Price (tax exempt) |
|-----------------------------|---|-------------------|----------------------------------|--------------------|
| Sampling II | Raphael Nishimura (University of Michigan) | Mar 10 – 31, 2022 | Thursdays, 1 pm ET / 7 pm CET | 400.00 EUR |

All courses are organized jointly by Mannheim Business School and the Mannheim Center for Data Science at the University of Mannheim, and the Joint Program in Survey Methodology at the University of Maryland.

Mannheim Data Science Certificates 2021 – 2022

Bundle several graduate-level online courses in one of our Mannheim Data Science Certificates and benefit from bundled prices. When booking any certificate, participants gain access to the self-paced tutorial "Introduction to R for Social Scientists" for free. This tutorial is especially useful for participants who may not feel comfortable with the software R, or wish to brush up their skills before an R-intensive course.

Registrations can be directed via e-mail to our Admissions Manager Manon Pfeifer at pfeifer@mannheim-business-school.com.

| Mannheim Data Science Certificate <u>R-Programming</u> | | | | |
|--|---|-----------------------|-------------------------------|----------------------------|
| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Bundled Price (tax exempt) |
| Introduction to R for Social Sciences (self-paced) | Heide Jackson (University of Maryland) | – | self-paced | 1,300.00 EUR |
| Introduction to Real World Data Management | Alexandru Cernat (University of Manchester) | Sep 13 – Nov 8, 2021 | Mondays, 3 PM EDT / 9 PM CEST | |
| Modern Workflow in Data Science | Alexandru Cernat (University of Manchester) | Feb 28 – Apr 25, 2022 | Mondays, 3 PM ET / 9 PM CET | |

Mannheim Data Science Certificate
Sampling

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Bundled Price (tax exempt) |
|--|--|---------------------|----------------------------------|----------------------------|
| Introduction to R for Social Sciences (self-paced) | Heide Jackson (University of Maryland) | – | self-paced | 950.00 EUR |
| Sampling I | Raphael Nishimura (University of Michigan) | Oct 7 – Dec 9, 2021 | Thursdays, 12 PM EDT / 6 PM CEST | |
| Sampling II | Raphael Nishimura (University of Michigan) | Spring 2022 | TBD | |

Mannheim Data Science Certificate
Surveys

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Bundled Price (tax exempt) |
|---|---|-----------------------|-----------------------------------|----------------------------|
| Introduction to R for Social Sciences (self-paced) | Heide Jackson (University of Maryland) | – | self-paced | 1,500.00 EUR |
| Questionnaire Design | Gina Walejko (Google) | Jan 14 – Mar 4, 2022 | Fridays, 12 PM ET / 6 PM CET | |
| Usability Testing for Survey Research | Emily Geisen (Qualtrics) Jennifer Romano-Bergstrom (Google) | Mar 30 – Apr 20, 2022 | Wednesdays, 11 AM EDT / 5 PM CEST | |
| Web Survey Methodology and Online Panels with Practical Programming | Jernej Berzelak (National Institute of Public Health, Slovenia) | Summer 2022 | TBD | |

| Mannheim Data Science Certificate <u>Big Data & Machine Learning</u> | | | | |
|--|---|-----------------------|--------------------------------|----------------------------|
| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Bundled Price (tax exempt) |
| Introduction to R for Social Sciences (self-paced) | Heide Jackson (University of Maryland) | – | self-paced | 950.00 EUR |
| <u>Introduction to Big Data and Machine Learning</u> | Frauke Kreuter (Ludwig-Maximilians-University of Munich) Trent D. Buskirk (Bowling Green State University) | Jan 31 – Feb 21, 2022 | Mondays, 1 PM ET / 7 PM CET | |
| <u>Machine Learning II</u> | Trent D. Buskirk (Bowling Green State University) Christoph Kern (University of Mannheim) | Fall 2022 | TBD | |

Mannheim Data Science Certificate
[Working with Missing Survey Data](#)

| Course Name | Lecturer | Course Dates | Weekly Online Meetings | Bundled Price (tax exempt) |
|--|--|--------------|------------------------|----------------------------|
| Introduction to R for Social Sciences (self-paced) | Heide Jackson (University of Maryland) | – | self-paced | 650.00 EUR |
| Item Nonresponse and Imputation | Joerg Drechsler (Institute for Employment Research) | Summer 2022 | TBD | |
| Multiple Imputation – Why and How | Joerg Drechsler (Institute for Employment Research) | Fall 2022 | TBD | |