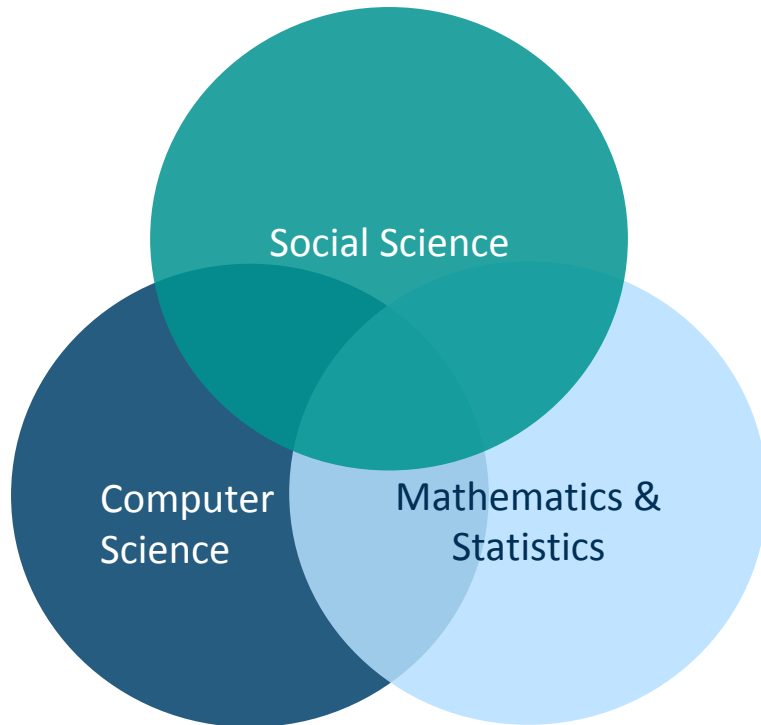


# Introductory Session Mannheim Master in Data Science

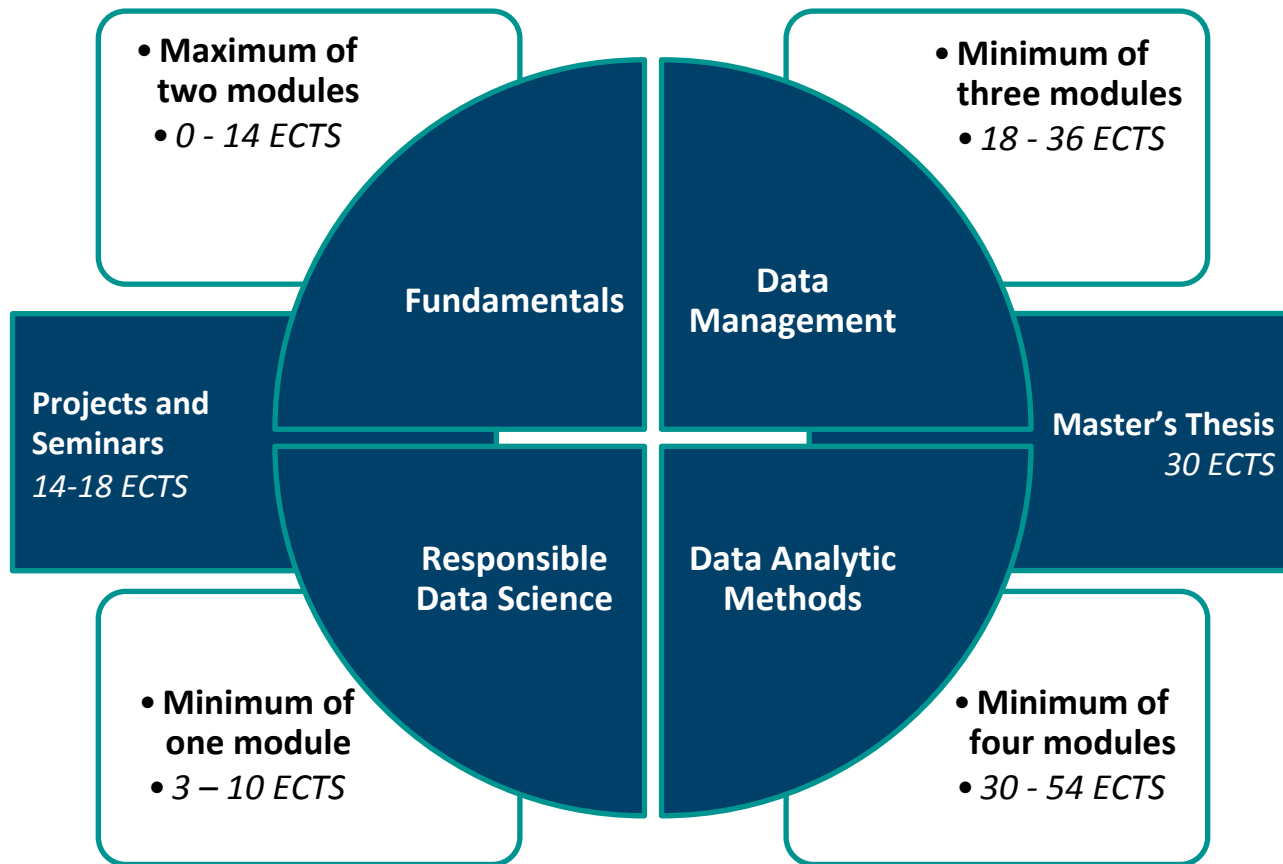


# Master in Data Science



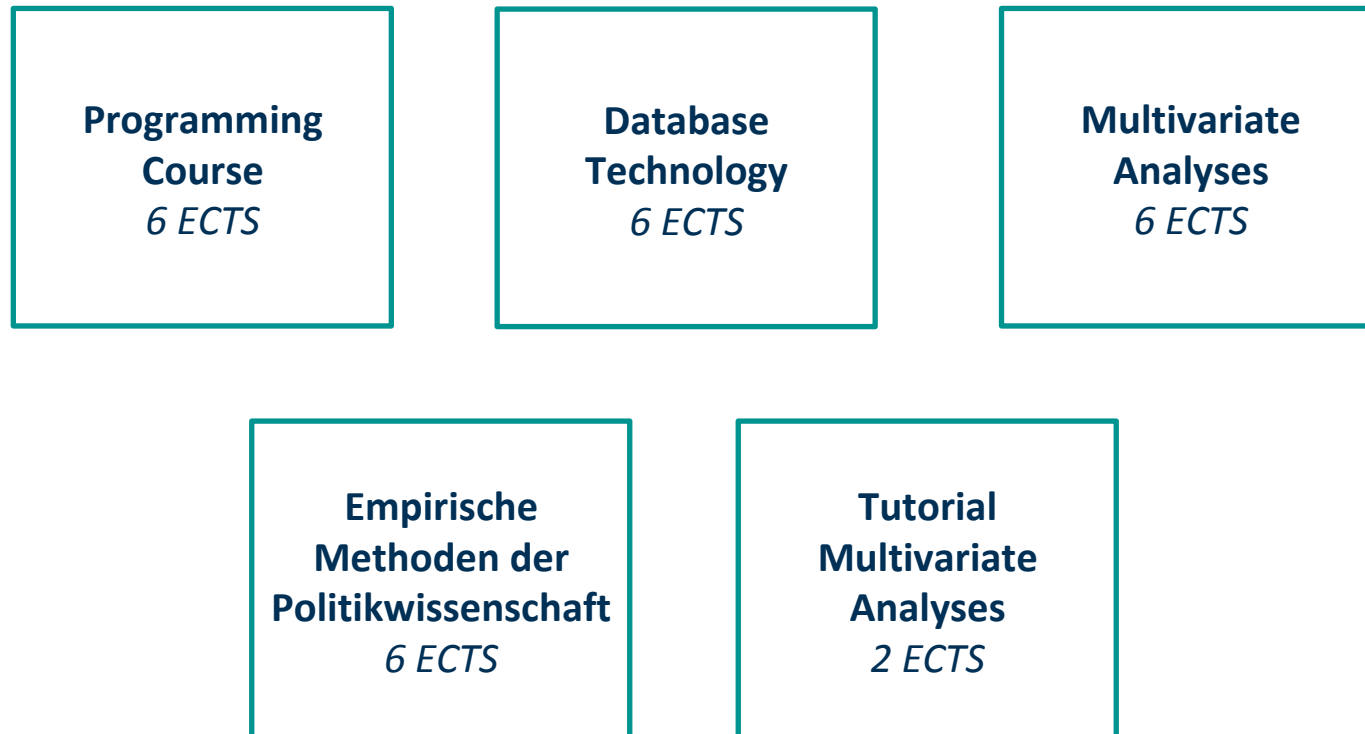
- Interdisciplinary
  - Computer Science
  - Mathematics & Statistics
  - Social Science
- Applied
  - Hands-on experience
  - Close cooperation with industry partners

# Structure of the M.Sc. Program



# Structure of the M.Sc. Program

## Fundamentals



# Structure of the M.Sc. Program

## Data Management

Module no.	Name of module	ECTS
AC 651	Additional Course – Data Management	AC 651*
CS 500	Advanced Software Engineering	6
CS 530	Database Systems II	6
CS 550	Algorithmics	6
CS 560	Large Scale Data Management	6
CS 600	Model-driven Development	6
IE 630	Query Optimization	6
IE 650	Semantic Web Technologies	6
IE 663	Information Retrieval and Web Search	3
IE 670	Web Data Integration	3
IE 691	Information Retrieval Project	3
IE 683	Web Data Integration Project	3

# Structure of the M.Sc. Program

## Data Analytic Methods



### M.Sc. Business Informatics

- Higher Level Computer Vision
- Image Processing
- Data Mining I



### M.Sc. Mathematics in Business and Economics

- Mathematics & Information
- Computational Finance



### M.A. Political Science

- Advanced Quantitative Methods



### M.A. Sociology

- Longitudinal Data Analysis
- Research Design
- Cross Sectional Data Analysis

# Structure of the M.Sc. Program

## Responsible Data Science



- **Without Prejudice** - Avoiding unfair conclusions even if they are true
- **Without Speculation** - Answering questions with a guaranteed level of accuracy
- **Ensuring discretion** – Answering questions without revealing secrets
- **Providing transparency** - Clarifying answers such that they become indisputable

# Structure of the M.Sc. Program

## Projects and Seminars



**Team Project  
or Individual  
Project**  
*12 ECTS / 8  
ECTS*



**Seminar**  
*4 ECTS*



**Scientific  
Research**  
*2 ECTS*



# Structure of the M.Sc. Program

## Master's Thesis



- 6 Months
- Every chair has individual requirements that you have to fulfill to be considered
- It is recommended to not write any exams during this period

# Study abroad



- All students have the opportunity to study abroad
- for one or two semesters
- without paying tuition fees

# What for?



Don't miss the unique opportunity to

- immerse yourself in another culture
- overcome challenges and gain new soft skills
- experience high-class education systems
- brush up your foreign language skills
- form lifelong friendships and international networks
- boost your CV and your career opportunities
- ...

# Where to?



- with over **450 partner universities in 60 countries** you can choose from a variety of universities all around the globe
- 70 of those are faculty-owned partner universities
- even lesser-known regions can become exciting destinations for your exchange!

# First steps



- take a look at the different [application deadlines](#), depending on your program of study and your host country
- take part in one of the mandatory [Introductory Study Abroad Sessions](#) right at the beginning of your studies
- look for suitable [partner universities](#) all around the globe

# Application Deadlines

Exchange destinations and application deadlines are divided into three regions:

Region	Deadline	Semester
Overseas South & Japan	30 April 2021	3 (spring 2022) or 4
Overseas North	15 Oktober 2021	4 (fall 2022) or 5
Europe (without Russia)	31 January 2022	4 (fall 2022) or 5

Table for Master degrees starting in the spring term 2021.



If you want to travel to Overseas South in fall or spring semester of 2022, you have to apply by 30 April 2021!

# Contact

## **Juliane Roth, M.A.**

Departmental Exchange Coordinator



University of Mannheim

School of Business Informatics and Mathematics

B 6, 26

Gebäudeteil B – Room B 1.05

68159 Mannheim

**Phone:** +49 621 181-2340

**Fax:** +49 621 181-2423

**E-mail:** [roth@wim.uni-mannheim.de](mailto:roth@wim.uni-mannheim.de)

### **Consultation hour(s):**

by appointment via email

# MMDS Mailing List



- You will be added to the mmads emailing list.
  - Please note: All email correspondence from now on will go to your Uni Mannheim email account!
- Check your university mail account regularly!



# Important Webpages

- [wim.uni-mannheim.de](http://wim.uni-mannheim.de)
  - Info about study organization (module catalogue, examination regulation, contacts, ...)
- [uni-mannheim.de/dws](http://uni-mannheim.de/dws)
  - Info about professors from our faculty related to data science
  - Detailed course information (regarding content and organization)
- <https://fim.uni-mannheim.de/>
  - Student association Homepage

# Students' Communication Channels

- There are also communication channels run by your fellow students

- Slack Channel

- [mmds-students.slack.com](https://mmds-students.slack.com)
- Use Firstname\_Lastname as displayed username



- WhatsApp group

- scan the QR code now!



# Who do you contact when?

# Student Services Office (Studienbüro 1)

David Steiner (Student Services Office)  
[steiner@verwaltung.uni-mannheim.de](mailto:steiner@verwaltung.uni-mannheim.de)



Responsible for:

- Transcripts of records
- Registration and change in registration for exams
- Accepts a doctor's note

<https://www.uni-mannheim.de/studium/im-studium/studienbueros/#c44366>

Express-Service: Ground floor of administrative building L 1,1

<https://www.uni-mannheim.de/studium/im-studium/studienbueros/#c44374>

# Examination Board of MMDS



Prof. Dr. Heiko Paulheim

[pruefungsausschuss@wim.uni-mannheim.de](mailto:pruefungsausschuss@wim.uni-mannheim.de)

Responsible for:

- Studying abroad / Learning Agreements
- Acknowledgement of examinations
- Extension of time limits

<https://www.wim.uni-mannheim.de/studium/studienorganisation/m-sc-business-informatics/#c109246>

# Academic Advisor and Study Coach (Studienberatung)

Birgit Czanderle



[studienberatung@wim.uni-mannheim.de](mailto:studienberatung@wim.uni-mannheim.de)

Responsible for:

- Questions about the examination regulations (e.g. module changes, extensions)
- Your study plan (modules, thesis)
- Consulting in cases of hardship

# Student Track Manager (Studiengangsmangement)

Lisa Wessa



[wessa@wim.uni-mannheim.de](mailto:wessa@wim.uni-mannheim.de)

Responsible for:

- Module catalogue
- Courses in Portal
- Curriculum

**Thank you for your attention!**

Questions?