



## Location & Venue

### Venue

The Summer School is hosted by the University of Applied Sciences Kempten. UAS Kempten is well-known for its practice-oriented, international, high-quality academic training in a modern environment and with state-of-the-art equipment.



### Location

Kempten is a beautiful old city in Bavaria's top tourist region, the Allgäu. At the heart of Europe and with a view of Alps you will be trained where others spend their holidays.



## Date & Registration

### Date

July 23 – 31, 2018

### Fees and Registration

Special early bird fee of 295,00 € until 31 March 2018. Regular fee of 395,00 after 31 March 2018. Discounts for official partner universities available. Please contact your university's International Office.

The participation fee covers

- access to all lectures and lab works
- documents & certificate
- all lunches at Kempten University (7 x)
- all social events (transfers & entry fees)
- free wifi on campus

Participants need to make their own travel arrangements. Hotel accommodation can be booked for € 39,50/night. Arrival on Sunday, 22 July 2018.

### Registration

[www.summerschool-kempten.de](http://www.summerschool-kempten.de)  
Registration closes on 30 April, 2018

### Getting to Kempten

Air: Allgäu Airport (FMM) Memmingen, Munich (MUC), Stuttgart (STR) and Friedrichshafen (FDH)

Train: There are train connections from all airports ([www.bahn.de](http://www.bahn.de))

Bus: There are several bus companies offering services to Kempten (e.g. FlixBus)

Car: Autobahn A7



# International Summer School on Data Science for Everyone 2018

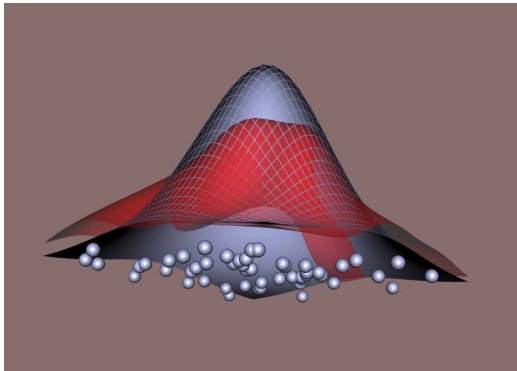
Kempten, Germany  
July 23 – 31, 2018

## About the Summer School

**Managing and visualization data** across all disciplines, the demand to **manage and visualize data** keeps growing. The International Summer School on Data Science for Everyone addresses this need: Through an **introduction to data analysis** combined with **hands-on exercises** and **real-life case studies**, you gain both a thorough understanding of the theoretical principles as well as how to apply them.

The Summer School is aimed at **undergraduate students of any faculty**, including e.g. Informatics, Engineering, Economics, Social Sciences or Tourism. **No previous knowledge of data science is required!**

All lecturers teaching for the Summer School have **practical experience**. They know the theory and how to apply it to real-life challenges.



## Your Program

### Monday, July 23:

9:00 - 15:00 **Introduction to Data Science**

Afternoon: Mayor's reception, guided city tour Kempten & "get together"

### Tuesday, July 24:

9:00 - 17:00 **Tools for working with data (1)**

Evening: Light hike on Kempten's local mountain, the Maria-berg with a great view of the Alps

### Wednesday, July 25:

9:00 - 13:00 **Visualizing data**

Afternoon: Visit to **Robert BOSCH GmbH**:

Digitalization Best Practices

### Thursday, July 26:

9:00 - 17:00 **Meet our faculties (R&D examples)**

Pick 2 subjects out of 4:

- Computer Science: Recent trends and challenges
- Energy: Load prediction
- Tourism Industry: Data-driven travel experience
- Social Sciences: Intercultural competence

### Friday, July 27:

9:00 - 17:00 **Tools for working with data (2)**

### Saturday, July 28:

Trip to **Munich**, the charming capital of Bavaria. Explore the city with its amazing architecture, shopping opportunities and **Viktualienmarkt**, the culinary heart of Munich or the near-by **Hofbräuhaus**. Taste excellent beer brewed under Bavarian Purity Law - a toast to a 500 year success story. In the afternoon, visit the futuristic **BMW Welt** which showcases BMW's history and most innovative products.

### Sunday, July 29:

Visit to **Neuschwanstein**, the castle of the fairy-tale king Ludwig II and one of the most popular of all the palaces and castles in Europe. Afterwards take the mountain cable car to the top of the 1800 metres high Tegelberg and enjoy a stunning view of the Alps and nearby Forggensee.

### Monday, July 30:

9:00 - 12:15 **Useful tools for your Final Thesis**

13:30 - 17:00 **Visualizing data (2)**

### Tuesday, July 31:

9:00 - 12:15 **Your own case study**

After lunch: **Closing Session**

## Your Benefits

### Is this you?

- You need to **handle data for your thesis**?
- You are curious about **advanced tools**?
- You would like to **visualize data** beyond what Excel can do?
- You want **real-life examples**?
- You want to **learn more about Germany** with fellow students **in an international setting**?

### Then you should register for the summer school in order to:

- receive a **hands-on introduction to data science**
- get familiarized with **many useful tools**, e.g. R
- learn about the **latest trends**, e.g. "deep learning"
- **visit leading technology companies** and work on **practical case studies**
- participate in an **attractive social program**

Oh, and you will also receive **4 Credit Points** and a **participation certificate**.

