Join Radboud Summer School 2019!

An Introduction to Data Visualisation and Cluster Analysis (using R)

change perspective

Radboud University
An Introduction to Data Visualisation & Cluster Analysis

We’re currently living in the most data rich period of human history. The sheer amount of data available can be more overwhelming than useful. The goal of extracting useful information from available data is the main role of the data scientist.

In this course, we will use data visualisation and clustering techniques to uncover any information or insight within the data. Imagine you are responsible for the data analytics department of a small start-up company, that has an online-only store where customers can buy different products. One of your jobs would be to personalise each user’s shopping experience and recommend products that they would buy with high probability. You do not know each user’s personal preferences but you do have much information about each user. How can you use all this data to give each user a set of unique recommendations in order for them to buy more products?

Imagine you are working on a PhD in Social Sciences with the really catchy title “What Cambridge Analytica missed?”. Imagine you have access to the provided data set and you are trying to group people together according to their characteristics and lifestyles, which you will analyze from their Facebook accounts. What if the online store went bankrupt because they did not listen to your sage advice? You can, and will use clustering techniques to help answer all the previous questions.

After this course you are able to

- Read existing datasets into R, visualise them, and perform simple statistical analysis on them
- Have an overview of the different clustering techniques which will enable you to make the right methodological choices
- Apply these techniques and interpret their output (in the programming language R)

Number of EC
2 ECTS credits

Course leader
Charalampos (Charis) Chanialidis, Lecturer
Department School of Mathematics & Statistics
University of Glasgow, UK

Admission document
Motivation letter
Entry level
Advanced bachelor, Master and PhD

This course is designed for
Bachelor’s, (pre)-Master’s or PhD students with an interest in learning about or refreshing their knowledge about clustering analysis research

You can find more details about this course on our website

Course date
Monday 1 July - Friday 5 July 2019

Course fee
€ 600

Discounts
• 10% discount for early bird applicants. The early bird deadline is 1 March 2019.
• 15% discount for students and PhD candidates from partner universities.
Please note that these discounts can be combined if you apply before 1 March 2019.

Deadline application
1 May 2019

Apply now!
What is the RSS experience?

RSS is more than just a course!

Radboud Summer School offers you a unique opportunity to meet other students and researchers from all over the world with different cultural and academic backgrounds. You will also get to know Radboud University and the city of Nijmegen. Our social programme includes a welcome reception, guest lecture and farewell drinks. And for a small fee you can join our BBQ, River Cruise on a pancake boat, a Pub Quiz, Sports Activities or a City Game.

Want to know more?
Have a look at what participants have said about their experience on our website!

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