



University of Essex

Analytics, Data Science and Decision Making

Summer School

The sixth annual Analytics, Data Science, and Decision Making Summer School provides graduates, postgraduates, researchers, academics, business professionals, and practitioners, with the opportunity to join leading academics, data scientists, and engineers from around the world to explore the latest advancements in computer science.

Immerse yourself and network with influential data science leaders from organisations such as BT, Preqin, Orbital Media, Reveris, and more, providing training topics that include:

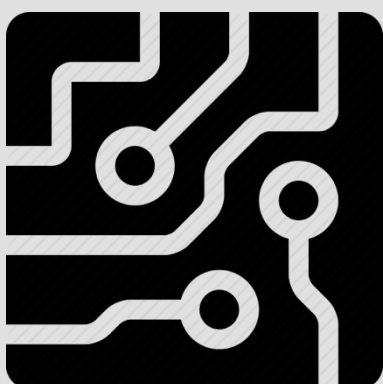
- Deep Learning and Neural Networks
- Natural Language Processing
- Practical applications such as in business, health, and other sectors
- The legal, ethical, and human rights implications of data

With our one or two week programmes, courses are delivered over parallel sessions.

Our great value ticket prices include:

- Introductory and intermediate courses
- Real industry experience
- Online DS Networking
- Endorsed certification

REGISTER FOR YOUR PLACE TODAY



IADS

The Institute for
Analytics and Data Science

26 July – 6 August 2021

iadssum@essex.ac.uk | www.iadssummerschool.com

<p>Best Practice Analytics Focus: Data Science Management <i>Dr Detlef Nauck, BT</i></p>	<p>Introduction to R Focus: Intro to R <i>Dr Ben Skinner, Dr David Clark, Dr Antonio Marco</i></p>	<p>Introduction to Machine Learning Focus: Intro to ML <i>Dr Luca Citi</i></p>
<p>Data Protection, Security, and Ethics in the Age of Big Data Focus: Data Science Management <i>Dr Audrey Guinchard and Professor Anthony Vickers</i></p>	<p>Deep Learning for Images and Text Focus: Intro to Deep Learning <i>Dr Haider Raza</i></p>	<p>Data Science Management in Business Focus: Data Science Management <i>Thomas Tosstorff, Preqin</i></p>
<p>Learning Under Different Training and Testing Distributions Focus: Continued Deep Learning Topics <i>Dr Haider Raza</i></p>	<p>GIS Systems in R Focus: Advanced R Topics <i>Dr David Clark</i></p>	<p>Introduction to Natural Language Processing Focus: NLP <i>Dr Diana Maynard</i></p>
<p>Advanced R Focus: Advanced R Topics <i>Dr Anna Hughes and Dr Alasdair Clarke</i></p>	<p>Traditional and Deep Learning Methods for Word Representations Focus: NLP <i>Dr Sathish Sankarpandi</i></p>	<p>Practical text analytics and sentiment analysis from social media Focus: NLP <i>Dr Diana Maynard University of Sheffield</i></p>
<p>Introduction to Tensorflow and Deep Learning Focus: Continued Deep Learning Topics <i>Dr Michael Fairbank</i></p>	<p>The Synergy of Optimisation and Machine Learning Focus: Optimisation Topics <i>Dr Daniel Karapetyan and Dr Andrew Parkes</i></p>	<p>Tree-based Models for Machine Learning in Data Analytics Focus: Intro to ML <i>Dr Dheeraj Rathee</i></p>
<p>Bandits, Learning, and Search Focus: Optimisation Topics <i>Dr Tom Vodopivec, Reveris</i></p>	<p>Learning with Small Datasets Focus: Intro to ML <i>Viola Fanfani, University of Edinburgh</i></p>	<p>Infrastructure Management Topics (TBD) Focus: Data Science Management <i>Nathan Cunningham, Norwich Bioscience Institute</i></p>
<p>Interpreting Classifiers Focus: Introduction to Deep Learning <i>Oana Cocarascu, Kings College London</i></p>	<p>Introduction to Data Visualisation in R Focus: Advanced R Topics <i>Dr Ben Skinner, Dr David Clark, Dr Antonio Marco</i></p>	<p>Recurrent Neural Networks with Keras Focus: Continued Deep Learning Topics <i>Dr Michael Fairbank</i></p>
<p>Transfer Learning with Transformers in NLP Focus: NLP & Continued Deep Learning <i>Husam Quteineh</i></p>	<p>Introduction to Network Science Focus: Optimisation Topics <i>Dr Philip Leifeld</i></p>	<p>Machine learning for causal inference from observational data Focus: Intro to Machine Learning & Intro to R <i>Damian Machlanski</i></p>

Monday 26 July

Opening day of our summer school will feature an Intro to Python course for all delegates!

Hosted by Dr. Haider Raza and Dr Sefki Kolozali

Friday 6 August

Our final day of the programme will feature business industry projects; an opportunity to work on solutions to a real life data science problem in the industry!

Industry hosts: G's Group, Preqin & Suffolk County Council