

# Essex

## Big Data and Analytics Summer School

5 - 16 September 2016

Institute for Analytics and Data Science

University of Essex

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www.essex.ac.uk/iads/events/summer-school.aspx

The Essex Big Data and Analytics Summer School aims to provide a research training event and forum for knowledge exchange and networking for graduates, postgraduates, researchers, academics and business professionals in the emerging fields of Big Data, Data Science and Analytics.

The Summer School will cover a range of topics on both methodologies behind Big Data, Data Science and Analytics as well as the practical applications of Big Data in areas such as business, biological sciences and other sectors.

The Summer School is over 2 weeks and participants can attend either 1 week or both. Both weeks are delivered in parallel sessions and include keynote lectures and social and networking events. A typical course is 6 hours in length and is offered at introductory, intermediate and advanced levels.

<p><b>Course Title:</b> Best practice analytics <b>Speaker:</b> Detlef Nauck <b>Organisation:</b> British Telecom</p>	<p><b>Course Title:</b> Stream processing and data analytics for smart city <b>Speaker:</b> Sefki Kolozali/Nazli Farajidavar <b>Organisation:</b> University of Surrey</p>	<p><b>Course Title:</b> Reinforcement learning and casual inference <b>Speaker:</b> Spyros Samothrakis <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Cognitive analytics <b>Speaker:</b> Martin Spott <b>Organisation:</b> HTW Berlin</p>	<p><b>Course Title:</b> Trading, cost and regulations in the big data era <b>Speaker:</b> Yi Cao <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Clustering and classification with applications in R <b>Speaker:</b> Berthold Lausen <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> From big data to big value <b>Speaker:</b> Richard Mason <b>Organisation:</b> Intel</p>	<p><b>Course Title:</b> Data protection and liability in the age of big data <b>Speaker:</b> Audrey Guinchard/Anthony Vickers <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Introduction to data visualisation using R <b>Speaker:</b> Aris Perperoglou <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Big Data Methods with R <b>Speaker:</b> Simon Walkowiak <b>Organisation:</b> Mind Project</p>	<p><b>Course Title:</b> Actuarial/financial modelling with applications in R <b>Speaker:</b> Spyros Vrontos <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Modern combinatorial optimisation methods <b>Speaker:</b> Daniel Karapetyan <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Open Data Science <b>Speaker:</b> David Tarrant <b>Organisation:</b> Open Data Institute</p>	<p><b>Course Title:</b> Machine learning with Mahout <b>Speaker:</b> Richard Skeggs <b>Organisation:</b> ESRC Business and Local Data Research Centre, University of Essex</p>	<p><b>Course Title:</b> How to understand Big Data: Strategies for understanding your big data and getting new knowledge from it <b>Speaker:</b> Nathan Cunningham/Libby Bishop/Felix Ritchie <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Open Data for Smart Cities <b>Speaker:</b> Ben Cave <b>Organisation:</b> Open Data Institute</p>	<p><b>Course Title:</b> Bayesian computational methods with applications in R <b>Speaker:</b> Hongsheng Dai <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Replicating and publishing data, and the role of big data versus national statistics <b>Speaker:</b> Louise Corti/Veerle Van Den Eynden <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Introduction to meta-analysis <b>Speaker:</b> Elena Kulinskaya <b>Organisation:</b> ESRC Business and Local Data Research Centre, University of East Anglia</p>	<p><b>Course Title:</b> Modelling and analysis of complex systems <b>Speaker:</b> Chris Antonopoulos <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Exploring household energy data using the Hadoop ecosystem <b>Speaker:</b> Peter Smyth/Sarah King-Hele/Aidan Condron <b>Organisation:</b> University of Essex/Manchester</p>
<p><b>Course Title:</b> Principles of big data storage and processing systems <b>Speaker:</b> Nikos Ntarmos <b>Organisation:</b> University of Glasgow</p>	<p><b>Course Title:</b> Big data and finance <b>Speaker:</b> Neil Kellard <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Hadoop fundamentals for the cloud <b>Speaker:</b> Martin Fleury <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Big data management systems for fun and profit <b>Speaker:</b> Nikos Ntarmos <b>Organisation:</b> University of Glasgow</p>	<p><b>Course Title:</b> Building agent based models for theory and empirical research <b>Speaker:</b> Abhijit Sengupta <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Human rights in the era of big data and analytics <b>Speaker:</b> Daragh Murray <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Techniques for securing IoT devices in a cloud environment <b>Speaker:</b> Gareth Howells <b>Organisation:</b> University of Kent</p>	<p><b>Course Title:</b> Introduction to R <b>Speaker:</b> Leo Schalkwyk <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Large scale visual recognition and retrieval <b>Speaker:</b> Shoab Ehsan <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Introduction to Natural Language Processing (NLP) <b>Speaker:</b> Diana Maynard <b>Organisation:</b> University of Sheffield</p>	<p><b>Course Title:</b> Science and big data <b>Speaker:</b> Andrew Harrison <b>Organisation:</b> University of Essex</p>	<p><b>Course Title:</b> Crowdsourcing and Human Computation <b>Speaker:</b> Jon Chamberlain <b>Organisation:</b> University of Essex</p>
<p><b>Course Title:</b> Practical text analytics and sentiment analysis from social media <b>Speaker:</b> Diana Maynard <b>Organisation:</b> University of Sheffield</p>		