



University of Essex

Big Data and Analytics

Summer School

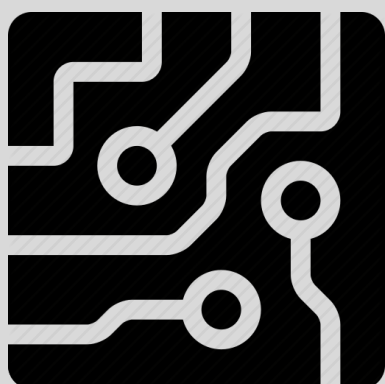
The fourth annual IADS Big Data and Analytics Summer School provides graduates, postgraduates, researchers, academics, business professionals, and practitioners, with the opportunity to join leading academics, data scientists, and engineers from around the world to explore the latest advancements in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

Immerse yourself and network with influential data science leaders from organisations such as Microsoft, BT, Fraunhofer, Micro Focus, Celtra, and more, providing training topics that include:

- Methodologies and techniques for Big Data and analytics
- Practical applications such as in business, health, and other sectors
- Data curation and management
- The legal, ethical, and human rights implications of data

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

Our great value ticket prices include access to introductory, intermediate, and advanced courses, suggested pathways, keynote talks, exclusive access to our social and networking evenings, and certification.



IADS

The Institute for
Analytics and Data Science

23 July – 3 August 2018

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

Learning Under Different Training and Testing Distributions

Intermediate

Dr Haider Raza

Encounters with Big Data: Using Big Data in Social Sciences

Introductory

United Kingdom Data Service

Introduction to R

Introductory

Professor Leonard Schalkwyk and Dr Nicolae Zabet

Financial Analytics: From foundations to practice

Introductory

Dr Michael McGrath, Micro Focus

Visual recognition and tracking in large image and video datasets

Intermediate

Professor Ales Leonardis and Dr Hector Basevi

Introduction to Natural Language Processing

Introductory

Dr Diana Maynard

Learning from Small Datasets

Introductory

Dr Ana Matran-Fernandez

Hadoop: Fundamentals for the Cloud

Intermediate

Dr Martin Fleury

Introduction to the Modelling and Analysis of Complex Systems

Introductory

Dr Chris Antonopoulos

Introduction to the Vertica Analytic Database

Introductory

Mark Whalley, Micro Focus

Data Protection, Security, Ethics, and Liability in the Age of Big Data

Introductory

Dr Audrey Guinchard and Professor Anthony Vickers

Artificial Intelligence and Neural Networks in Analytics

Advanced

Dr Georg Zimmermann, Fraunhofer

Optimisation Meets Data Science

Intermediate

Dr Daniel Karapetyan and Dr Andrew Parkes

Introduction to Using the Cloud with Microsoft Azure

Intermediate

Ben Coleman, Microsoft

Personalisation and Recommender Systems

Intermediate

Dr Ivan Carrascosa

Practical text analytics and sentiment analysis from social media

Introductory

Dr Diana Maynard

Introduction to Databricks - Making Big Data Simple

Intermediate

Faris Haddad, Microsoft

Introduction to Machine Learning

Introductory

Dr Luca Citi

Best Practice Analytics

Intermediate

Dr Detlef Nauck, BT

Bandits, Learning, and Search

Introductory

Dr Tom Vodopivec, Celtra

Traditional and Deep Learning Methods for Word Representations

Intermediate

Dr Aline Villavicencio and Professor Marco Idiart

Classifier Evaluation (Practical in R)

Intermediate

Bob Komara, MSX International

Introduction to Tensorflow and Deep Learning

Intermediate

Dr Michael Fairbank

Algorithmic Game Theory

Introductory

Dr Carmine Ventre