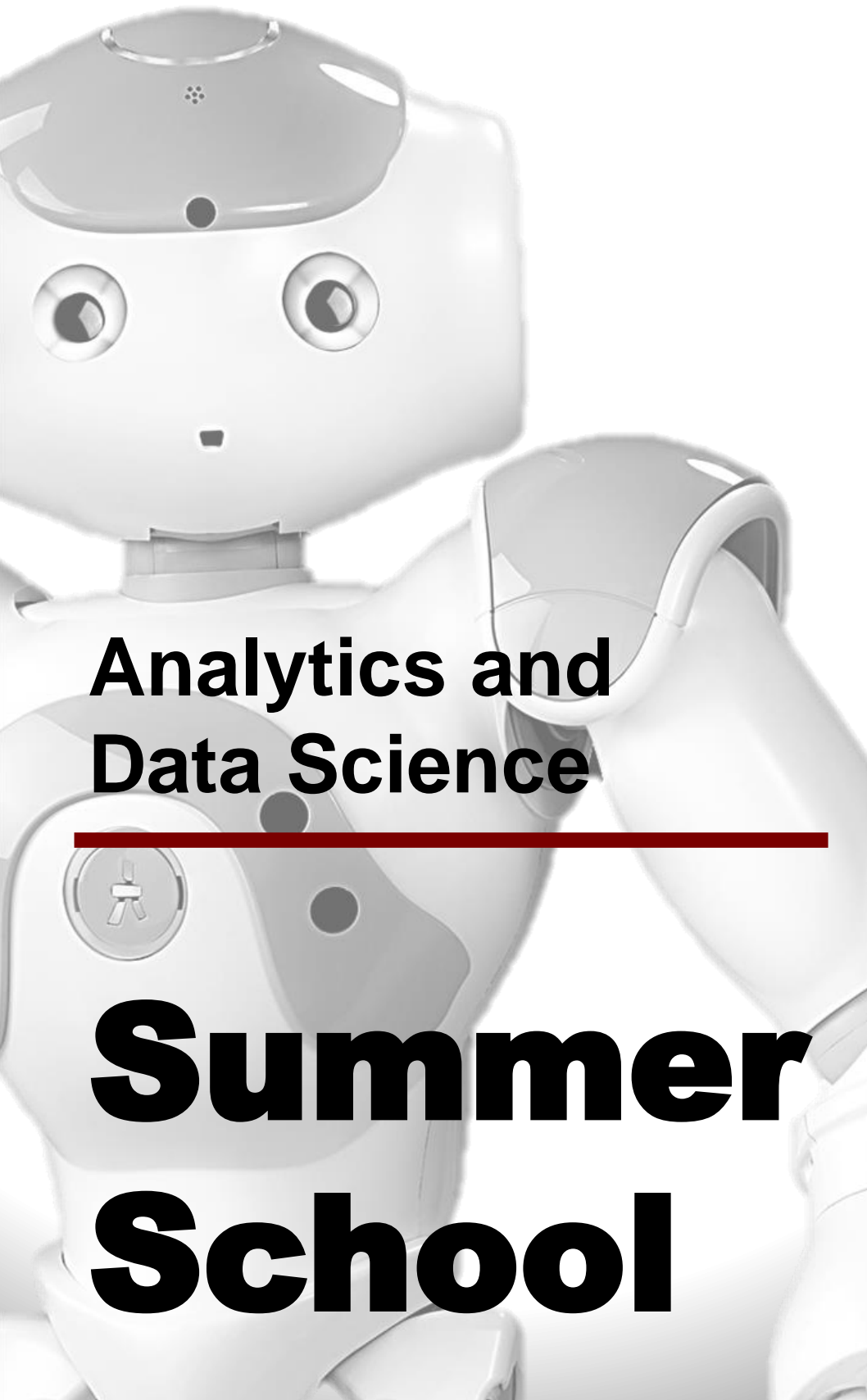




University of Essex



Analytics and Data Science

Summer School

The fifth 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 BT, Fraunhofer, Micro Focus, Celtra, and more, providing training topics that include:

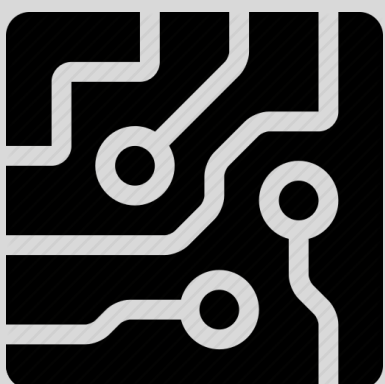
- Deep Learning and Neural Networks
- Natural Language Processing
- Practical applications such as in business, health, and other sectors
- The legal, ethical, and human rights implications of data

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

Our great value ticket prices include:

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- Real industry experience
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The Institute for
Analytics and Data Science

29 July – 9 August 2019

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Best Practice Analytics

Focus: Big Data

*Dr Detlef Nauck, BT***Introduction to R**

Focus: Intro to R

*Dr Nicolae Zabet,
Tyler Gorrie Stone***Introduction to Machine Learning**

Focus: Intro to ML

*Dr Ana Matran Fernandez***Data Protection, Security, and Ethics in the Age of Big Data**

Focus: Big Data

*Dr Audrey Guinchard and
Professor Anthony Vickers***Introduction to Deep Learning and Neural Networks**

Focus: Intro to Deep Learning

*Various providers***Visual recognition and tracking in large image and video datasets**

Focus: Intro to Deep Learning

*Professor Ales Leonardis and
Dr Hector Basevi***Learning Under Different Training and Testing Distributions**

Focus: ML Topics

*Dr Haider Raza***Introduction to the Vertica Analytic Database**

Focus: Big Data

*Mark Whalley***Introduction to Natural Language Processing**

Focus: NLP

*Dr Diana Maynard***Advances in Artificial Intelligence, Neural Networks and Data Analytics**

Focus: Deep Learning

*Dr Georg Zimmermann***Traditional and Deep Learning Methods for Word Representations**

Focus: NLP

*Dr Sathish Sankarpandi***Practical text analytics and sentiment analysis from social media**

Focus: NLP

*Dr Diana Maynard***Introduction to Tensorflow and Deep Learning**

Focus: Deep Learning

*Dr Michael Fairbank***Optimisation Meets Data Science**

Focus: R and Optimisation in Java

*Dr Daniel Karapetyan and
Dr Andrew Parkes***Tree-based Models for Machine Learning in Data Analytics**

Focus: Intro to ML

*Dr Dheeraj Rathee***Bandits, Learning, and Search**

Focus: ML Topics

*Dr Tom Vodopivec***Learning with Small Datasets**

Focus: Intro to ML

*Viola Fanfani***NO SQL Mongo Database**

Focus: Big Data

*Ragini Kihlman***Classifier Evaluation (Practical in R)**

Focus: R and Optimisation in Java

*Bob Komara***Introduction to Data Visualisation in R**

Focus: R and Optimisation in Java

*Dr Osama Mahmoud***Biologically-inspired Computational Intelligence**

Focus: ML Topics

*Dr Lina Barakat***INDUSTRY CONFERENCE DAY
Friday 9 August 2019**

Throughout the Summer School, delegates will work in teams to solve real industry problems using data and analytics. Proposals will be presented at the Industry Conference Day.

Essex Business School Auditorium - All are welcome to attend.