

Cognitive Mapping of Narrative and of Imagination

Fionn Murtagh

University of Huddersfield, UK

In this work, the following are addressed, in regard to narratives of behaviour, of actions and of activities: security, trust, identity, opportunities and challenges of Big Data. The main orientation is towards foundational aspects, i.e. methodology and its implementation. Briefly, predictive policing is reviewed. A small case study of narrative of behaviour is carried out with Twitter. This relates to the well-reputed entertainment and social media individual, Stephen Fry. Then there is the most relevant work for Big Data and security applications in social science and in related domains, that is motivated by Bernard Harcourt's legal and social analytics. Associated with this recently published book, F. Murtagh, Data Science Foundations: Geometry and Topology of Complex Hierarchic Systems and Big Data Analytics, Chapman & Hall/CRC Press, 2017, there is the following: a case study, Twitter-based, on the tracking of narratives of behaviour, and in regard to graphically and through visualization, as well as using statistical inference, of impact and effect of actions and activities.

Biography

Fionn Murtagh, Professor of Data Science and Director, Centre for Mathematics and Data Science. He was Department Head, in many universities. Fionn was Editor-in-Chief of the Computer Journal (British Computer Society) for more than 10 years, and is an Editorial Board member of many journals. He has published over 300 refereed articles and written or edited 30 books. He is Fellow of: British Computer Society (FBCS), Institute of Mathematics and Its Applications (FIMA), International Association for Pattern Recognition (FIAPR), Royal Statistical Society (FRSS), Royal Society of Arts (FRSA). Elected Member: Royal Irish Academy (MRIA), Academia Europaea (MAE). Senior Member IEEE.

Fionn.Murtagh@cs.rhul.ac.uk

Notes: