



Data Science is considered as one of today's most interesting fields of research; a Google search in January 2018 for the string 'data science' with quotation marks returned 24.1 million results, showing an increasing trend over time. Data science is defined as the collection of scientific methods, processes, and systems dedicated to extracting knowledge or insights from data and it develops on concepts from various domains, containing mathematics and statistical methods, operations research, machine learning, computer programming, pattern recognition, and data visualisation, among others. Examples of data science techniques include linear and logistic regressions, decision trees, Naïve Bayesian classifier, principal component analysis, neural networks, predictive modelling, deep learning, text analysis, survival analysis, and so on, all of which allow to use the data to make more intelligent decisions.

On the other hand, it is without a doubt that nowadays the amount of data is exponentially increasing, and analysing large data sets has become a key basis of competition and innovation, underpinning new waves of productivity growth. This book aims to bring a fresh look onto the various ways that data science techniques could unleash value and drive productivity from these mountains of data.

The book aims to bring together a spectrum of concepts, such as performance, productivity, operations research, econometrics, and data science, for the practically and theoretically important areas of 'productivity analysis/data envelopment analysis' and 'data science/big data'. These areas are of widespread interest to researchers and practitioners alike.

We wish to invite you to contribute to this edited book. As such, we invite you to submit an extended abstract to [cio@umh.es](mailto:cio@umh.es) (mentioning in the subject of the email: "Data Science and Productivity Analytics") by **31/July/2018**, clearly indicating the objectives of your proposed chapter, its originality, and methodology employed.

#### **IMPORTANT DATES:**

31/Jul/2018	Submission deadline for extended abstract
15/Sep/2018	Communication of decisions from editors
01/Dec/2018	Submission of full chapters
28/Feb/2019	Notification of first round of review results
31/May/2019	Submission of revised chapters
15/Jul/2019	Notification of second round of review results
31/Aug/2019	Final decisions notifications

The expected publication date of the book is **December 2019**.

For further information or clarifications about this Call for Book Chapters, please do not hesitate to contact the Editors directly, via email.

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