



DATA ANALYTICS 2021

The Tenth International Conference on Data Analytics
October 03 - 07, 2021 - Barcelona, Spain



HARNESSING DATA FOR THE BENEFIT OF SOCIETY

Session Chair: Prof. Les Sztandera, PhD, Thomas Jefferson University, USA

Introduction/Editorial

Les Sztandera Les.Sztandera@Jefferson.edu

68002 Ryan McGinnis Analyzing the Nationwide Opioid Crisis and
Socio-economic Factors using K-Means
Clustering ryan.mcginnis@students.jefferson.edu

68005 Amna Alalawi Data Merging Technique in Cataract Patients in
Telangana for Enhancing Public Awareness of Visual
Impairment alalawiaj@gmail.com

68007 Regina Ruane Investigating the Twitter Behavior of Tax Experts
Networks in Social Network Sites regina.ruane@temple.edu



DATA ANALYTICS 2021

**The Tenth International Conference on Data Analytics
October 03 - 07, 2021 - Barcelona, Spain**



ABOUT THE SESSION CHAIR

Les Sztandera, PhD: Tenured Full Professor of Computer Information Systems at Thomas Jefferson University, Philadelphia, PA, USA.

Prof. Sztandera earned a Certificate from University of Cambridge, UK, Master of Science in Electrical Engineering from University of Missouri, USA, and Doctor of Philosophy degree in Engineering Science from University of Toledo, Ohio, USA. He held an appointment in the US Fulbright Scholars program and was Fulbright Distinguished Chair in Computer Science at the ISEG in Lisbon, Portugal where he taught Decision Support Systems and Data Mining courses in their Master's and PhD programs.

Prof. Sztandera has published extensively in the field of computational intelligence, and received grants from US Department of Defense, US Department of Commerce / National Textile Center, National Science Foundation (NSF), American Heart Association, State Supercomputer Centers, and private industry partners.





DATA ANALYTICS 2021

**The Tenth International Conference on Data Analytics
October 03 - 07, 2021 - Barcelona, Spain**



SESSION TOPICS

- **Harnessing data for the benefits of society**
- **Discovering patterns in health and social data sets**
- **Maintaining norms of transparency and accountability in an age of ubiquitous Artificial Intelligence**



DATA ANALYTICS 2021

**The Tenth International Conference on Data Analytics
October 03 - 07, 2021 - Barcelona, Spain**



SESSION THEME

Deployment of predictive models involves ranking data and information, evaluating their "novelty indexes," and using the ranks to optimize real-time decisions within applications and processes impacting social and health issues. It is its predictive power that makes Data Analytics insights actionable. The finding associated with an action that is deemed reliable and ethical, based upon past data, gives the decision maker a high degree of confidence.



DATA ANALYTICS 2021

**The Tenth International Conference on Data Analytics
October 03 - 07, 2021 - Barcelona, Spain**



PROJECTION ON FUTURE CHALLENGES

Placing limits on the use of Data Analytics and Artificial Intelligence: technologies such as workplace surveillance, social robotics, hyper-targeted advertising, facial recognition cameras, and emotion-reading technology.