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Marta Sestelo is Technical Manager of Data Analytics & AI at the Galician Research and Development Center in Advanced Telecommunications (Gradiant) and Lecturer at the Department of Statistics and O. R. at University of Vigo (accredited by the ANECA - Spanish National Agency for Quality Assessment and Accreditation - as Associate Professor). In 2013, she received her PhD in Statistics and O.R. from this university, with international accreditation, with the title 'Development and computational implementation of estimation and inference methods in flexible regression models. Applications in Biology, Engineering and Environment'. During this period, and as part of her learning process in the field of computational development, she carried out a predoctoral research stay at the Department of Mathematics and Applications at University of Minho. After that, she worked as postdoctoral researcher at the Center of Mathematics (CMAT) at the same university, funded by a highly competitive fellowship of the Fundação para a Ciência e a Tecnologia (FCT) of Portugal (2014-2018). Just before getting this opportunity, she combined her research with some teaching experience at the Department of Mathematics at Autonomous University of Barcelona during the 2013/2014 academic year.

During these last few years she has received institutional support, both from Spain and other countries, to develop her scientific work (4 predoctoral and 1 postdoctoral fellowships). She has also taken part in 25 national and international research projects, presented 48 papers in national and international conferences, developed software in form of 6 R packages and, so far, written 18 articles published on JCR journals such as Journal of Statistical Software, Journal of the Royal Statistical Society, Biometrical Journal, The R Journal, etc. (Statistics & Probability) or Applied Mathematics and Computation, Fisheries Research, Atmospheric Environment, etc. On an ongoing basis she collaborates with several researchers in the field of Statistics, as well as in other fields (Luís Meira Machado, CMAT; Isabel Serra Mochales, Centre de Recerca Matemàtica; Gorka Bidegain, University of Southern Mississippi; Ángel Guerra, Consejo Superior de Investigaciones Científicas; Celestino Ordóñez, Universidad de Oviedo; Turgut Durduran, Institute of Photonic Sciences; Jorge Hernández Urcera, Instituto Español de Oceanografía, etc.) obtaining as a result a multidisciplinary research.

She has broad experience on the development of new techniques, methodologies and algorithms linked with data analysis and artificial intelligence, particularly in the fields of machine learning, computational statistics, spatial analysis, time series analysis, survival analysis, software development and cybersecurity. She is currently focusing her interest on the resolution of real life problems throughout (big)data science and intelligent systems. At the moment, her lines of research are closely related to feature selection, predictive modeling, nonparametric curves estimation, clustering, model performance, testing procedures, bootstrap resampling methods, simulation process and optimization, all of them with applications to different areas of knowledge. Besides, she strongly believes in the need for a more open, transparent and reproducible science, improving the society through information and communications technology. Recently, she has co-founded WiMLDS Galicia - Women in Machine Learning & Data Science, see http://wimlds.org/about-the-galicia-team/.

More information on https://sestelo.github.io.