STEP

STEM Research
Equality, Diversity and Inclusion

Workshop

EXPLORATORY DATA ANALYSIS

📅 **October 31, 2024**   🕐 **15h00 (Portugal)**   📍 **Sala de Atos 1**

Summary:

With the rise of massive data availability in modern data science, exploratory data analysis (EDA) has become a crucial first step before advancing to more complex techniques like statistical analysis, data mining, or machine learning. Additionally, the data must be carefully aligned with the research question to ensure that the analysis leads to strong insights. A flexible and systematic approach can be applied to increase the efficiency and effectiveness of uncovering valuable information from the data. EDA is essential for streamlining the entire data science workflow, ensuring that subsequent analyses or models are built on a thorough and accurate understanding of the data.

Speaker: Clara Bento Vaz

Clara Bento Vaz is a Coordinating Professor at the School of Technology and Management (ESTiG) of the Polytechnic Institute of Bragança (IPB), where she has taught since 1995. She has a PhD in Industrial Engineering and Management (2007) from the Faculty of Engineering of the University of Porto (FEUP), a master's degree in Computer Integrated Production (1999) from the University of Minho, and a degree in Management and Industrial Engineering (1995) from FEUP. She is an integrated member of the CeDRI- Research Centre in Digitalization and Intelligent Robotics at IPB. Her main research interests are modelling and simulation, optimization for decision support, and data analytics.

Registration:

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