European Network for Business and Industrial Statistics

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Statistics: Less Math and More Visual Thinking

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The exponential integration of technologies in different disciplines, the ease of access to data, the proliferation of publications in Internet, … etc., causes an increase in the number of new beliefs that try to explain the origin of the differences between behaviors with pseudoscientific discourses based on data. People are not using Statistics well.

Statistical professionals can do good to society by sharing experiences that help to understand Statistics as a multidisciplinary science of great VALUE.

In this talk I will present some of my experiences that can inspire other:
• Sharing success stories of applying statistics with children and young people. I try to open their minds about Mathematics and also to break gender stereotypes. I motivate them with words like "discover what happen", what type of patterns you see. We ended up talking about numbers, mathematics, the importance of measuring well and the importance of Statistical Thinking in all disciplines.
• Participating in television programs that deal with issues of great audience but misapplying Statistics (COVID)
• Presenting in generic Quality events applications of Statistics for Continuous Improvement and Innovation.
• Disseminating in webinars for engineers, specific tactics

Statistics deals with how to COLLECT data to EXTRACT useful information for decision making. We professionals have a mission to share what we do in a simple way. I recommend starting by training the look at the data, the great VALUE in god visualizations, and later, we will talk about how to collect data

Keywords

Visual_Thinking, Statistical_Thinking, education

Classification

Both methodology and application

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