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THE CHALLENGES OF DATA SCIENCE FROM A SCIENTIFIC COMPUTING POINT OF VIEW

November24th| 12:00 | José Abílio Matos

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ABSTRACT

An alternative, and more catchy, title for this talk could be "Data Science from a plumber's point of view".

One of the most important ingredients in Data Science is the use of computers programs/applications to treat/process large datasets. In order to do so the Data Science researchers rely on many different tools to meet its goals.

The purpose of this talk is to illustrate the issues that affect Data Science from the low-level components used (the pipes in our plumbers analogy) together with some of the different levels of complexity that come from the rapid evolution and demands from present world.

SPEAKER

José Abílio Matos is an Assistant Professor at Faculty of Economics of U. Porto where he is the President of the Scientific Group of Mathematics and Information Systems. José is also a member of Mathematical Research Center from U. Porto (CMUP) in the Analysis and Computational Mathematics Areas. The main focus of researchis are Scientific Computing, Mathematical Finance, Numerical and Time Series Analysis. José is a participant/developer in several computational Free/Open Source projects, a core member of the LyX project and packager in the Fedora Linux distribution, with a special focus on C++, Python, Octave, R and other scientific computing packages.