

The Working Group on Risk - CREAR, with the support of the IDS dpt, Institut des Actuaire, LabEx MME-DII and the group BFA (SFdS), has the pleasure to invite you to the Seminar by:

Dr. Marcin DETYNIECKI

Head of Data Science and R&D at the Data Innovation Lab, GIE AXA

January 17, 2018, 12:30pm – 1:30pm
EEE - ESSEC La Défense (CNIT) – Amphi 202

Data Science Challenges and Limitations in the Real World

More and more data science is being used in real world applications (e.g. governments, industries). While the underlying techniques (e.g. machine learning) provide great opportunities, they also come with strong challenges. During this talk, we will discuss some of the existing limitations and their underlying reasons. One of the challenges is, for instance, the machine learning interpretability. In fact, many machine learning models are black-boxes: answers to questions, such as why a particular prediction is made? when is the model right or wrong? what can be done to change a prediction?, are not simple to obtain and require the development of specific techniques. Faced with such complexity, we will present what is being done today to address these limitations.

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Dr. Marcin DETYNIIECKI

Head of Data Science and R&D at the Data Innovation Lab, GIE AXA
Associate Researcher at LIP6 (UPMC) & Professor at the Polish Academy of Science

Marcin Detyniecki is Head of Data Science and R&D at the Data Innovation Lab of AXA Group. He leads a large team of data scientists working on operational products, such as a pay-as-you-drive connected platform, and on more long term research projects such as adversarial approaches for fair machine learning.

Marcin Detyniecki studied mathematics, physics and computer science at UPMC (Paris 6) and obtained there a doctorate degree in Artificial Intelligence in 2000. Between 2001 and 2014, he was a research scientist at CNRS. He was also researcher at the University of California at Berkeley and at Carnegie Mellon University, and visiting researcher at the University of Florence and at British Telecom Research labs.

Today, he is Associate Researcher at the Computer Science Laboratory LIP6 of Université Sorbonne and Professor at the Polish Academy of Science. Dr. Detyniecki has over 100 publications in academic journals and conference proceedings. Currently, his research focuses on data science and big data challenges of the insurance sector.



Labex MME-DII
Modèles Mathématiques et Économiques de la
Dynamique, de l'Incertitude et des Interactions

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