

Vincent LEMAIRE

Research Scientist

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infos



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Resume

I am a research scientist in machine learning and data mining with application to fraud detection, customer relationship management ...

I also manage a research project on “data analytics” (in the research domain “Data and Knowledge” (DAK) of Orange Labs Research.

Goals, scope



Create business value and cost efficiency thanks to optimization and knowledge discovery skills. Leverage Orange data for improving network performances, marketing efficiency, customer experience and direct monetization. Address operational issues of Orange entities in their design, management and exploitation of information systems and network resources.

Approach



Gain and develop top-of-the-art data analytics techniques. Develop new methods, non-existent off-the-shelf, allowing a faster and deeper distribution of the tools / techniques in the Orange group. Build and pool strategic tools, methods, technologies for business issues.

Experience

2015-2019: Research scientist & Research Project Manager

The decision-making supports and data analytics are crucial for the operators of telecoms. The project recovers a set of techniques allowing: to classify, to discover or to learn from the data, and thus to help in the decision; to analyze the behavior of a network or a customer; to exploit more and more important data... A Research project manager is responsible for leading research projects to satisfy scientific objectives. To support this goal, a research project manager decides on the methodology and techniques for conducting the research. He is responsible for reviewing the conducted research. He report to the manager of the research domain and the research director of Orange. He also has the role to explain and disseminate the research results in the Orange Group.



2003-2015: Research scientist at Orange

Participate in cutting edge research in machine intelligence and machine learning applications. Develop solutions for real world, pursuing the next generation of intelligent systems for application in Orange group.

2002-2002: Invited Researcher at IDIAP (machine learning group)

2000-2001: Research scientist at Orange

1996-1999: PhD student,

1990-1995: Electronic teacher

1986-1989: Electrician

Expertise, Committee, Students, Jury

Expertise

Advice Business units in Orange, courses to data scientist of the Orange Group (in France and others countries).

Conferences & Tutorials [\[...\]](#)

Organization of several machine learning workshops, tutorials and competitions including, the ECML workshops on Interactive Adaptive learning (2018, 2019) and on Advanced Analytics and Learning on Temporal Data (2018, 2019) the ECML PKDD 2012 challenge on Active Learning in Real-World Application, the AISTATS 2010 challenge on Active Learning, the KDD Cup 2009, ... Reviewers of conferences.

Student [\[...\]](#)

Supervision of students (22) : Master Thesis, PhD thesis, Postdoc

Jury [\[...\]](#)

Participation to the evaluation (23) of others research teams or students (thesis), in and outside Orange (INRIA)



Development - Software



Since 2012 I manage software engineers (I give very detailed specifications) who code for me new software or improve existing software (as Khiops Ennéade or Khiops interpretation for example). I remain only coding in python at the moment, before 2012 I was coding in C.

Collaborations



My main collaborations are with the members of my team at Orange Labs or others team in Orange Labs. I have also currently collaborations with external partners as the University of Utrecht, the INRIA "Lacodam" team...

Awards



2016 - Best Research Paper of the University of Magdeburg [\[...\]](#)
2016 - Best Paper Conference iKnow [\[...\]](#)
2015 - Paper 'Open Challenges for Data Stream Mining Research' selected as notable article [\[...\]](#)
2015 - Best Paper Conference EGC [\[...\]](#)

Education



(2008) HDR: University Orsay
(1999) PhD: University Paris 6
(1996) M.Sc. in Robotic: University Orléans & Paris12

Publications



(139)
see: www.vincentlemaire-labs.fr
https://scholar.google.com/citations?user=kA_LLAQAAAAJ&hl=en
https://www.researchgate.net/profile/Vincent_Lemaire