

Aude Sportisse

*First year PhD student*

16 rue Léon Bourgeois  
91120 Palaiseau  
☎ 06 75 70 55 84

✉ aude.sportisse@wanadoo.fr  
🌐 homepage: <https://audesportisse.com/>  
📅 Birth Date: 30 December 1995



## Work experience

- 2018- **PhD thesis, at LPSM (Sorbonne Université) and CMAP (Ecole Polytechnique)**, supervised by Dr. Claire Boyer and Dr. Julie Josse, Variable selection for high dimensional data with missing values at random and not at random.
- 2018 **Research Internship at CMAP, Ecole Polytechnique, 5 months**, Low-rank matrices with MNAR data, supervised by Dr. Julie Josse and Dr. Claire Boyer.
- 2017 **Research Internship at Bioserenity, start-up of the Brain and Spine Institute (From my own initiative), 3 months**, Statistical testing/ Machine Learning.
- 2017 **Research work, in collaboration with EDF, 1 semester**, Statistical methods for performance forecast of photovoltaic power stations, supervised by Dr. Etienne Roquain.
- 2015 **Research Internship at Laboratory of Dynamical Meteorology (UPMC/CNRS/X/ENS)**, Optimization of the energy mix in Guadeloupe (modelling and simulation with Python), supervised by Dr. Olivier Boucher.
- 2013-2015 **Member of TV Jussieu, founder and in charge of the Start-up program** giving a first glimpse of the entrepreneurial world.

## Education

- 2016-2018 **Master degree, Mathematics and applications, Statistics, University Pierre and Marie Curie/Sorbonne University**, with high honors (average mark: 17.50/20).  
Main courses: Statistical Learning, Compressed Sensing, Data Science, Monte Carlo Methods, Statistics in High Dimension, Empirical Processes, Bayesian statistics.
- 2013-2016 **Double-bachelor's degree, Mathematics and Physics, University Pierre and Marie Curie.**
- 2013 **French and German Highschool Diplomas, Lycée Richelieu, Rueil.**

## Talks and Posters

- Sept. 2018 **Machine Learning Journal Club, Ecole Polytechnique**, Article presentation *Why are Big Data Matrices Approximately Low Rank?* written by Madeleine Udell.
- Sept. 2018 **Group Meeting, UPMC**, Low rank estimation with MNAR data.
- Jun. 2018 **Data science summer school, Ecole Polytechnique**, Poster "Low rank estimation with MNAR data".

## Teaching and Mentorship

- 2019 **University Pierre and Marie Curie, Inferential statistics**, Third year of Bachelor's Degree.
- 2018 **University Pierre and Marie Curie, Statistics with R**, First year of Master's Degree.
- Jun. 2018 **Ecole Polytechnique, Mentorship of a student in an executive degree in Machine Learning.**
- 2015-2018 Mentorship of high school students in mathematics.

## Skills

Programming R, Python, C++  
Languages French (natal), German (fluent), English (working knowledge)