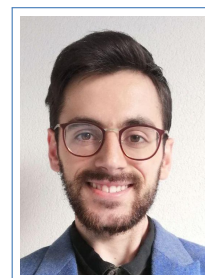


# Pablo Jiménez

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PhD Student  
French - Spanish, 14/06/1995



## Research

2019-present **Stochastic algorithms for learning and optimization on Riemannian manifolds**, *CMAP, Ecole Polytechnique*, (Palaiseau, France),  
PhD in Applied Mathematics.

### Publications

May 2020 **Convergence Analysis of Riemannian Stochastic Approximation Schemes**, with *Alain Durmus, Éric Moulines, Salem Said, Hoi-To Wai*, arXiv preprint <https://arxiv.org/abs/2005.13284>.

February 2021 **On Riemannian Stochastic Approximation Schemes with Fixed Step-Size**, with *Alain Durmus, Eric Moulines, Salem SAID*, published in Proceedings of The 24th International Conference on Artificial Intelligence and Statistics, PMLR 130 :1018-1026.

## Teaching

2019-2022 **Preparator for the "agrégation"**, *ENS Paris-Saclay*, In charge of the Probability and Statistics course, M2 FESUP.

## Education

2018 - 2019 **Master 2 Mathématiques de l'Aléatoire**, *Université Paris-Sud*, (Orsay, France),  
Master of Science in Mathematics and applications.  
Subjects : Probabilities and Statistics

2017-2018 **Master 2 Formation pour l'enseignement supérieur**, *Ecole Normale Supérieure de Cachan*, (Cachan, France), Master of Science in Mathematics teaching.  
**Agrégation externe de Mathématiques**, rank 51/310.

2016-2017 **Master 1 Mathématiques et applications**, *Université Paris-Sud*, (Orsay, France),  
First year of Master of Science in Mathematics and applications.

2015-2016 **Licence 3 Mathématiques**, *Université Paris-Sud*, (Orsay, France), Bachelor of Science in Mathematics.

2013-2015 **Classes préparatoires aux Grandes Ecoles**, *Lycée Louis-le-Grand*, (Paris, France),  
MPSI - MP\*.

**Successful candidate in Polytechnique**, rank 45/100.

## Languages

French bilingual  
Spanish mother tongue  
English fluent

## Computer Skills

Proficient in : Word, Powerpoint, Excel,  $\text{\LaTeX}$   
Programming : Caml, Python, MATLAB, Scilab