

Geneviève Robin

PhD candidate at *École Polytechnique*

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25 years old

Work Experience

- Feb. 2018 **Visiting Student Researcher**, *Stanford University*, Stanford, California.
July 2018
- Sept. 2016 **PhD candidate**, *École Polytechnique*, Paris, France.
present Statistics, Machine learning
- Sept. 2016 **Teaching Assistant**, *École Polytechnique*, Paris, France.
present Statistics with R
- Apr. 2016 **Research internship**, *AgroParisTech*, Paris, France.
Sept. 2016 Inference of sparse latent variable graphical models and applications to ecological data
- Apr. 2015 **Research internship**, *University of California*, Berkeley, USA.
Aug. 2015 Dimensionality reduction for clustering single-cell RNA-sequencing data
- Jul. 2014 **Intern**, *SILKAN GROUP*, Montreal, Canada.
Aug. 2014 Development in C++ for a simulation software for firemen training
- Sept. 2012 **Specialized educator & teacher**, *Fondation Apprentis d'Auteuil*, Chartres, France.
Mar. 2013 Support of teenagers with behavior and learning issues caused by social breakdown or disadvantaged social backgrounds

Education

- 2015 **MSc. Machine Learning, Computer Vision, Mathematics**, *École Normale Supérieure de Cachan*, France, graduated with highest honors.
2012 **Diplôme d'Ingénieur**, *École Polytechnique*, Paris, France.
2015
 - MSc. Innovation and Technology - Big Data
 - BS. Computer Science, Applied Maths, Physics

Publications & preprints

- 2018 **Low-rank interaction and sparse additive effects model for large data frames**, to appear in *NIPS 2018*, .
- 2018 **Main effects and interactions in mixed and incomplete data frames**, <https://arxiv.org/abs/1806.09734>.
- 2018 **Low-rank interaction contingency tables**, <https://arxiv.org/abs/1703.02296>.
- 2018 **Incomplete graphical model inference via latent tree aggregation**, to appear in *Statistical Modelling*.

Talks

- Mar. 15 2018 **Stanford University**, Stanford, California.
Main effects and interactions in mixed and incomplete data frames
- Jul. 25. 2017 **European Meeting of Statisticians**, Helsinki, Finland.
Low-rank interaction contingency tables
- Jul. 18. 2017 **New Challenges in Applied Mathematics**, *Sharif University*, Tehran, Iran.
Low-rank interaction contingency tables
- Jan. 13. 2017 **Statistical Methods for Post-Genomic Data**, *Imperial College London*, London, UK.
Graphical model inference with unobserved variables via latent tree aggregation

Awards

- 2017-2018 **Visiting Student Researcher Fellowship**, *France-Stanford Center for Interdisciplinary Studies*.

Skills

- Programming R, matlab, python, C++
Languages French (native), English (fluent, TOEFL: 109), German (intermediate), Arabic (beginner)

Interests & Hobbies

- Volunteer Tutoring for newly arrived asylum seekers.