

Iqraa Meah

PhD candidate in Statistics at Sorbonne University.

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github.com/iqm15

Education

- Since January 2021 **PhD candidate in Statistics, Sorbonne University, Paris, France.**
Supervised by Etienne Roquain (LPSM, Sorbonne University) and Sebastian Döhler (Hochschule Darmstadt, Germany).
Objective: My thesis research aims to propose new approaches ensuring control of the false discovery proportion (FDP) either in probability (uniform bounds) or in expectation (false discovery rate) while taking into account various constraints or structures that are inherent to modern data sets such as sequentiality or discreteness.
- 2019–2020 **Second year of Master in Statistics.**
Sorbonne University, Paris, France – Passed with high honors
- 2018–2019 **First year of Master in Applied Mathematics.**
Sorbonne University, Paris, France – Passed with high honors
- 2015–2018 **Bachelor of Mathematics (third year degree).**
Paris Diderot University, Paris, France – Passed with honors

Experiences

- May 2020–October 2020 **Research Internship on Private Deep Learning, Owkin, Paris, France.**
Supervised by Mathieu Andreux and Eric Tramel.
Master thesis title: Privacy of gradients in deep learning: an inverse problem perspective.
Objective: Investigate privacy attacks aiming at reconstructing data samples from gradient during the training of machine learning algorithm in a federated setting.

Publication

Preprint

- 2021 **Online multiple testing with super-uniformity reward**, Döhler, S., Meah, I., Roquain, E. arXiv (*Under review at JRSSB*)

Communications

- September 2022 **Efficient statistical testing for high-dimensional model (FAST-BIG) workshop**, Inria, Paris
- August 2022 **International Conference on Multiple Comparison Procedures**, Bremem, Germany
- June 2022 **Journées des Statistiques**, Lyon, France
- April 2022 **Rencontres Jeunes Statisticiens**, Porquerolles, France
- March 2022 **Workshop on post-selection inference for genomic and neuroimaging data**, Institut Mathématique de Toulouse, Toulouse, France.
- February 2022 **Young Statisticians and Probabilists day**, Institut Henri Poincaré, Paris, France.
- November 2021 **Groupe de travail des thésards (PhD students seminar)**, Sorbonne University, Paris, France.

Teaching activities

- Sept - Dec 2022
 - Statistics and linear models in R (practical sessions) for Master 1 ISUP
 - Data science in Python (practical sessions) for L1
- Sept - Dec 2021
 - Linear models exercise class for Master 1 ISUP
 - Data science in Python (practical sessions) for L1

Scientific activities

Since June 2022 **Member of the The Young Statisticians Group** in the French Statistical Society (SFDS)
2021 **Reviewer:** Biometrical Journal

Computer skills

Languages Python (PyTorch, scikit-learn, pandas, numpy, sacred) – R
Tools Git, Anaconda, Latex

Language skills

French Mother tongue
English Fluent