Ines Krissaane

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EDUCATION

- **Sheffield University and Microsoft Research Cambridge** Sheffield, UK
  PhD, Statistics funded by Microsoft Research *March. 2019 -*

- **Sorbonne University** Paris, France
  Master's degree, Statistics and Data Science, Highest Honors *2016 - 2018*

- **Pierre and Marie Curie University** Paris, France
  Bachelor's degree, Mathematics *2013 – 2016*

EXPERIENCE

- **Harvard Medical School** Boston, United States
  Data Scientist *April 2018 - Feb 2019*
  - **Research Associate**: Scalability and cost-effectiveness analysis of whole genome wide association studies on Google Cloud Platform and Amazon Web Services.
  - **Visiting Research Scholar in Data Science**: Exploring Scalability of Hail variant store in the cloud (Supervisor : Paul Avillach).

- **AgroParisTech - INRA** Paris, France
  Statistics Internship *Summer 2017*
  - **Research Intern**: Mixed linear model and estimation of the mixability of wheat varieties in incomplete device (Supervisors : Stephane Robin and Christophe Ambroise)

PUBLICATIONS

- **Accepted**:
  Forst, E., J. Enjalbert, V. Allard, C. Ambroise, I. Krissaane, T. Mary-Huard, S. Robin and I. Goldringer. A generalized statistical framework to assess mixing ability from incomplete mixing designs using binary or higher order variety mixtures and application to wheat.

CONFERENCES

- **Computing in Cardiology** Singapour
  Poster presentation *Sept 2019*

- **Precision Medicine Annual Conference** Boston, USA
  Oral presentation *June 2019*

PROJECTS

- **Data Challenge - Societe Generale**: Predict the Crude Oil production trend - Rank: 12th position (top 8 percent)
- **Application of Markov chains to the detection of genetic motifs**: Simulate and analyze genetic sequences using hidden Markov chains and then implement the Expect-Maximize algorithm. (Supervisor : Catherine Matias)
- **American Election Analysis** : Analysis of the vote in favor of the Republican or Democratic party during the American elections (in Python) (Supervisor : Tabea Rebafka)

WORKSHOPS AND SUMMER SCHOOLS

- **Machine Learning Summer School** London, UK
  Optimization and Bayesian inference to deep learning, reinforcement learning and Gaussian processes.(40h) *July 2019*

- **Study group AI in Healthcare** Manchester, UK
  Rare disease prediction with Mendelien *June 2019*

Training

- **Academy for PhD Training in Statistics** — Durham University, UK
  High-dimensional Statistics 12h (R Shah) - Computer Intensive Statistics 12h (P Jenkins) — *July 2019*

- **Academy for PhD Training in Statistics** — Southampton University, U
  Applied Stochastic Processe 12hs (Stephen Connor) - Statistical Modelling 12h (Antony Overstall) — *April 20*

Programming Skills

- **Languages**: R, Python, C++, SQL, Matlab   **Cloud**: AWS, Google Cloud, Azure, Docker