Imke Mayer

17/03/1995 (24 years old)
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▬▬▬▬ Professional activities

2018–Present **PhD candidate**, *École des Hautes Études en Sciences Sociales & École Polytechnique, France*, Paris & Palaiseau, France.
Statistics, machine learning. Advisors: Jean-Pierre Nadal & Julie Josse

2018 **Visiting Student Researcher (5 months)**, *Johns Hopkins University*, Baltimore, MD, USA.
Master's thesis at the Department for Biomedical Engineering. Advisor: René Vidal

2017 **Research intern**, *Sorbonne Université*, Paris, France.
False discovery rate control in linear models. Advisors: Claire Boyer & Maxime Sangnier

2016 **Working student (7 months)**, *Foodora GmbH*, Berlin, Germany.
Data analysis and forecasting for logistics operations and business intelligence.

▬▬▬▬ Teaching

Autumn 2019 **Teaching Assistant**, *École Polytechnique - HEC*, Palaiseau, France.
Regression, Unsupervised Learning (Master level)

Summer 2019 **Internship advisor**, *École Polytechnique*, Palaiseau, France.
Master 1 internship of Teresa Alves de Sousa on causal inference.

Spring 2019 **Teaching Assistant**, *HEC*, Jouy-en-Josas, France.
Data for Management certificate (Master level)

▬▬▬▬ Education

2017–2018 **Master 2 Mathematics and applications (Mathématiques, Vision, Apprentissage), with distinction**, *ENS Paris-Saclay*, Cachan, France.

2016–2017 **Master 1 Mathematics and applications**, *Sorbonne Université*, Paris, France.

2013–2016 **Bachelor double degree mathematics and computer science, with distinction**, *Sorbonne Université*, Paris, France.

2013–2018 **AEFE Excellence Major honor scholar**.

2013 **French Baccalauréat (scientific stream) and German Abitur, highest honors**, *Lycée français*, Berlin, Germany.

▬▬▬▬ Publications

2019	**MissDeepCausal: causal inference from incomplete confounders using deep latent variable models**, *submitted*.
2019	**Doubly robust treatment effect estimation with missing attributes**, *submitted*.
2019	**R-miss-tastic: a unified platform for missing values methods and workflows**, *submitted*.

Oral communications

Jan. 2020	**Young Statisticians and Probabilists (invited)**, *Institut Henri Poincaré*, Paris, France.
Jan. 2020	**MaiAGE seminar (invited)**, *INRA*, Jouy-en-Josas, France.
Jan. 2020	**Séminaire Palaisien (invited)**, *ENSAE, DATAIA*, Palaiseau, France.
Dec. 2019	**NeurIPS workshop on Causality and Machine Learning**, *Advances in Neural Information Processing Systems 32*, Vancouver, Canada.
Dec. 2019	**Econometrics and Big Data seminar (invited)**, *Aix-Marseille University*, Marseille, France.
Sept. 2019	**Statistique, mathématiques et applications**, Fréjus, France.
June 2019	**51èmes Journées de Statistique**, *Université de Lorraine*, Nancy, France.
May 2019	**Data science seminar for MDs in critical care management**, *Traumabase Group*, Paris, France.

Software development

| Website | **R-miss-tastic: a unified platform on missing values methods**, *founded by the R Consortium*. |

Languages and programming skills

German	Native		R, matlab	Advanced
English	Perfectly proficient		Python, C++	Intermediate
French	Perfectly proficient		Bash, SQL	Basics
Korean	Elementary			

Associative commitment and interests

2019–Present	**Member of the *Groupe Jeunes* in the SFdS (French Society of Statistics)**, *(responsabilities: organization of the YSP day, organization of satellite events at the Journées de Statistique)*.
2019–Present	**Member of R Foundation *Forwards* taskforce on women and other under-represented groups**, *(responsabilities: diversity scholarship coordination)*.
2019–Present	**Elected member of the parity and diversity committee**, *CMAP, École Polytechnique*, Palaiseau, France.
Hobbies	Theatre, reading, traveling (mostly by train or by bike), traditional Korean dance.