

Mélodie Monod

29/12/1997

118A Queensway

W2 6LS

London

monod.melodie@gmail.com

mm3218@ic.ac.uk

+ 44 7449 808580



Education

2019 - Currently studying | PhD in Statistics, Imperial College London
EPSRC Centre for Doctoral Training in Modern Statistics and Statistical Machine Learning at Imperial and Oxford

2019 | Master of Science in Statistics, Imperial College London, Obtained with Distinction
Relevant Modules: Bayesian Methods, Applied Statistics, Biomedical Statistics, Statistical Genetics and Bioinformatics, Computational Statistics, Advanced Simulation Methods, Machine Learning
MSc thesis: "Bayesian reconstruction of epidemic transmission chains from viral deep-sequence data"

2018 | Bachelor of Science in Economics and Management, University of Geneva, Obtained with First Class Honours
Relevant Modules: Algebra, Analysis, Probability, Statistics, Numerical Methods, Theoretical and Applied Econometrics

2015 | Baccalauréat Économique et Sociale, Institution du Sacré-Cœur, France, Obtained with Honours
Specialisation in Mathematics

Work experience

03/07/2017 - 01/09/2017 | Data Analyst Intern - Centre for Interprofessionnal Simulation (CiS), Geneva

1. Conduct several analysis from raw data to highly processed data. The data analysis process resulted in several conclusions that were presented to the team.
2. Code in R statistical software: R studio - R Markdown (use of several packages). Use Excel to clean and prepare data for analysis.

Research

2018 | Non-peer reviewed Class Research Paper: "Male preference in India: New evidences from NFHS-4". Faculty of Economics and Management, University of Geneva

2018 | Non-peer reviewed working paper: "Analysis of the Success of the University of Geneva's Post-Graduate Program in Economics". Faculty of Economics and Management, University of Geneva
Supervisor: Professor Dr. Giacomo De Giorgi

2017 | Submitted for publication to the Swiss Medical Weekly: Monod, Van Gessel, Cerutti, Badetscher, Kaiser, Carquillat, Meche: "Analysis of attitudes and perceptions of healthcare professionals regarding teamwork and readiness for interprofessionnal education", Centre for Interprofessionnal Simulation (CiS) & Unit of Research and Development in Medical Education, Faculty of Medicine, University of Geneva
Supervisors: Dr. Elisabeth Van Gessel and Dr. Bernard Cerutti

Skills

- **Softwares:** R (Expert), Python (Proficient), Matlab (Competent) and Stata (Competent)
LaTeX (Expert) and Sweave (Expert)
Microsoft Office (Expert), in both IOS and Windows
- Analytical with a critical thinking.
- Ability to listen, easy to communicate with.
- Able to easily adapt to different environments, live in a multicultural environment.

Awards

2018 | “The Department of Mathematics Scholarship for the MSc in Statistics” for academic excellence and ability to continue into a postgraduate research degree

2018 | “Highest overall grade average of the Bachelor's Degree in Economics and Management - Major in Economics”

Languages

- **French:** First language
- **English:** Fluent - TOEFL iBT General Score: 106/120
- **Spanish:** School notions
- **Mandarin Chinese:** Practicing for 2 years

Hobbies

Sport: Running, 10km in 2017, half-marathon (21.097km) in 2018 at the "Harmony Geneva Marathon for Unicef"
Swimming, 1250m open water swim in 2017 at "La Fluctuat - Paris"
Horse riding, "Galop 7" (second degree), won national competitions from 2010 to 2015
Badminton, team winner of Paris and 4th of the French region Ile-de-France in 2011

Reading: Autobiography and novels

Music: Played the guitar for 6 years