

François-Pierre Paty

PhD student in Machine Learning

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Education

PhD student in Machine Learning at ENSAE Paris

Palaiseau, France

Optimal Transport for Machine Learning

Sept 2018–August 2021

- PhD under the supervision of Prof. Marco Cuturi (ENSAE, Google Brain)
- Published three scientific articles in the best international conferences (ICML, AISTATS)
- Notable paper award at AISTATS 2020
- Reviewer for ICML, AISTATS, NeurIPS
- Co-organizer of the “Statistics-Econometrics-Machine Learning” seminar at ENSAE

Université Paris-Sud

Orsay, France

Masters in Statistics and Machine Learning

2017–2018

ENSAE Paris

Palaiseau, France

Engineering diploma, specialized in data science

2017–2018

École polytechnique

Palaiseau, France

Engineering diploma, specialized in applied mathematics

2014–2018

Courses in statistics, probability, data analysis, computer science, economics, physics

Professional Experiences

Teaching Assistant

ENSAE Paris

Teaching maths and CS to bachelor and masters students

Since Sept 2018

Sparse recovery of time series

Palaiseau, France

Finance For Energy Market Research Centre and EDF R&D

April 2017–August 2017

I adapted sparse deconvolution techniques to missing data imputation for time series. Received *congratulations* from the Applied Mathematics department of École polytechnique. A patent has been registered by EDF (FR3075969B1)

Modelling of raw material markets

Palaiseau, France

EDF R&D

Sept 2016–March 2017

Modelling of the long-term ore markets, in collaboration with EDF R&D

Projects

Founder of HSK level

www.hsklevel.com

AI-based mandarin learning app

Since 2019

I've created the app, learnt front-end and back-end dev, created statistical algorithms, learnt digital communication. More than 10.000 people in over 190 countries have used HSK level in the past year.

Programming skills

Machine Learning: Python (sklearn, notebooks)

Web: ReactJS, PHP, SQL

Languages

French: Native

Italian: Fluent

English: Fluent

Chinese: Intermediate (HSK4-5)