

Sunny Wang

PHD STUDENT · STATISTICS

ENSAI, 51 Rue Blaise Pascal, 35170 Bruz, France

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Education

École Nationale de la Statistique et de l'Analyse de l'Information (ENSAI)

PHD APPLIED MATHEMATICS (STATISTICS)

• Advisor: Dr. Valentin Patilea

Rennes, France

October 2021 - present

Toulouse School of Economics

MSc STATISTICS & ECONOMETRICS

• Mention Très Bien (Highest Honours)

Toulouse, France

August 2019 - October 2021

Singapore Management University

BSc ECONOMICS

Singapore, Singapore

August 2014 - January 2019

Publications

SUBMITTED

Adaptive Functional Principal Components Analysis (with V. Patilea, N. Klutchnikoff); arxiv:2306.16091

IN PROGRESS

Adaptive Functional Scores (with V. Patilea)

On estimation of directional regularity (with O. Kass)

Professional Experience

2021 **Research Intern**, CREST-ENSAI (Supervisors: V. Patilea & E. Solea)

2020 **Research Intern**, Institute for Advanced Study in Toulouse (Supervisor: P. Seabright)

2018 **Research Intern**, Institute for Advanced Study in Toulouse (Supervisor: P. Seabright)

2017 **Intern**, Nest Ventures

2014-2015 **Project Manager**, Tech startup

Presentations

CONFERENCES

July 2023. *Adaptive Functional Principal Components Analysis*. JdS Sfds, Brussels, Belgium

May 2023. *Adaptive Functional Principal Components Analysis*. ATMS Workshop, Leuven, Belgium

December 2022. *Adaptive Functional Principal Components Analysis*. CMStatistics, London, UK

September 2022. *Adaptive Functional Principal Components Analysis*. GOFCP, Rennes, France

INVITED TALKS

April 2023. *Adaptive estimation of functional time series* (with H. Maissoro). Breizh Data Day, Ploufragan, France

Teaching Experience

UPCOMING

Fall 2023 **Parallel Computing in R**, Lecturer *ENSAI, France*
Fall 2023 **Introduction to R Programming**, Lecturer *ENSAI, France*

COMPLETED

Spring 2023 **Functional Data Analysis**, Guest Lecturer *ENSAI, France*
Spring 2022/2023 **Multivariate time series analysis**, Tutorial Instructor *ENSAI, France*
Spring 2022/2023 **Survival Analysis**, Tutorial Instructor *ENSAI, France*

Software

FDAadapt <https://github.com/sunnywang93/FDAadapt>, R package for adaptive FPCA

Miscellaneous

Language Skills: English (Native), Mandarin (Limited Working Proficiency), French (Conversational Proficiency)

Citizenship: Singapore