

CORALINE BEST

Econometrics | Machine Learning | Economics | Statistics

+33768994087
cocojudith.best@gmail.com
@coraline-best
https://github.com/coralinebest/siteweb

EXPERIENCE

Economic Research Analyst - DREES - French Ministry of Health, Paris - France

Sept 2023 – Sept 2024

Paris

- **Apprenticeship** on the labor market transitions and the French socio-fiscal system's redistributive mechanisms.
- Investigating the impact of unemployment insurance reforms and employment policies on social benefits.
- Developing a typology of typical job-seeker trajectories and enriching a dynamic model.

Economic Research Analyst - DREES - French Ministry of Health, Paris - France

Apr 2023 – Sep 2023

Paris

- **Internship** on the study on the redistributive aspects of the French socio-fiscal system based on different family configurations.
- Updating for 2023 of a model that allows for simulating tax and social benefits and deductions using Excel and Rshiny.

Managing a French Circle - University of Oregon

Dec 2021 – Apr 2022

Eugene, US

- **Volunteering**
- Taught French to American students

EDUCATION

Master 2 Econometrics, Big Data, Statistics - Aix Marseille School of Economics

Sept 2023 - Sept 2024

Marseille

- Machine learning, previsions methods, advanced econometrics, programmation for big data (SQL and Python), time series.

Msc in Economics - Singapore Management University (exchange semester)

Jan 2023 - Apr 2023

Singapore

- Machine learning for finance and economics, times series econometrics, health economics, empirical industrial economics, environmental economics.

Bachelor in Economics - University of Oregon (exchange year)

Sep 2021 - Jun 2022

Eugene, US

- **Dean's list (academic excellence).** Econometrics, labor economics, international trade, advanced microeconomic theory, economic growth and development (graduate level classes).

Bachelor of Economics & Business - Université Lumière Lyon 2

Sept 2018 - Jun 2020

Lyon

- **With honor**

HACKATHONS

- Hackathon- Data for Good, JP MORGAN
- Hackathon - Airbus Helicopters
- World Econometrics Game Amsterdam

SKILLS

Python R SQL Excel
Econometrics Machine Learning
Economics Statistics Git French
English Italian Russian

PROJECTS

- **Predicting the stock market volatility**
- Using the large VIX dataset on R, regression splines, lasso and ridge penalization, one step ahead forecast using a rolling window.
- **Macroeconomic Forecasting with a large French database**
- French macroeconomic dataset for inflation forecasting using machine learning models (Random forest, Support vector Regression, Elasticnet), dimension reduction techniques (principal component analysis, partial least squares), time series.
- **Dash Application**
- Developed a multi-page app with Python, containing key visualizations and an interactive prediction page that allows users to input values into the model to know the value of houses in California.
- **Parkinson disease detection**
- machine learning with R, boosted trees, random forests, lasso regression.
- **Predicting exchange rate between euros and Singapore dollars (SGD)**
- Time series with R, using ARIMA models, unit root tests (ADF, PP, KPSS), ETS models.

INTERESTS

- Sport: ballet for 14 years at a high level French championships and international competitions; ski; surf
- Travels (Italy, England, United States, Philippines, Cambodia, Malaysia, Singapore...)