BOUKARY OUEDRAOGO

Data Scientist | Statistician | Economist

Passionate about international development, issues related to poverty, inequality and sustainable development, I am a data enthusiast who enjoys combining big data, artificial intelligence and emerging technologies to solve business problems. With backgrounds in statistics, economics and finance, I am a person with a strong scientific curiosity. I am interested in topics related to development of Africa and Burkina Faso in particular, but I am also opened to global challenges.

🎓 EDUCATION

2017 | 2016

Master's degree in prospective modelling applied to economics and climate change

Paris Saclay University   📍 Paris, France

- Thesis: Secular stagnation and energy transition in a stock-flow consistent model: application to the euro zone economy
- Advisor: Etienne Espagne, Senior Economist at Agence Francaise de Développement
- Environmental and climate policies, management of natural resources, cost-benefit analyses, a decision in the midst of uncertainty, integrated modeling tools, statistical and econometric methods

2015 | 2012

Master of Science in statistics and applied economics

INSEA   📍 Rabat, Morocco

- Major: Advanced Statistics, data analytics, economics, econometrics, finance, territorial development, public finance

2012 | 2010

Associate degree in Mathematics

Ibn Tofail university   📍 Kenitra, Morocco

- Major: Mathematics & computer science

💼 PROFESSIONAL EXPERIENCE

Present | 2018

Statistician | Data scientist

Bobigny, Ile de France   📍 CCMSA(Agricultural Social Mutual Fund)

- Analyzing data from agricultural sector from the point of view of social protection and recipients of social benefits.
- Conducting studies on poverty in the agricultural sector in France
- Elaborate financial and budgetary forecasts of social protection expenditure for public authorities such as the parliament and the ministry of solidarity and health
- Using data mining and machine learning technics to implement fraud detection in the social security fund agencies

Oct 2017 | Apr 2017

Economic and statistical analyst intern

Paris, France   📍 France Stratégie(Prime Ministry of France)

- Extracting data from ECB, Eurostat, BLS databases using R and pdfetch package
- Econometric estimation and calibration of model parameters
- Simulating short and long term scenarios for energy transition in the euro zone
- Writing, Analyzing and presenting the macroeconomically results to Prime Ministry
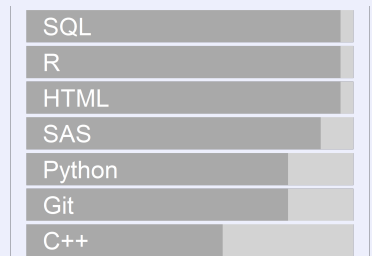
2015

Quantitative analyst intern (5 months)

Casablanca, Morocco   📍 Attijariwafa bank

- Analyzing the determinants of foreign Exchange-Rate Volatility: The case of the euro-dollar exchange
- Building models to forecast monthly inflation and unemployement rate in the United States (using data historical data from january 2002 to january 2015)
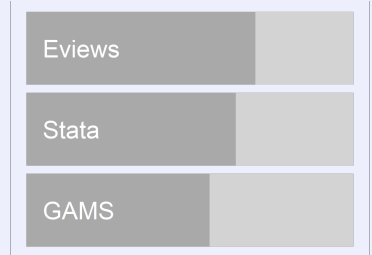- Software used: Stata, Eviews and Exel

CONTACT

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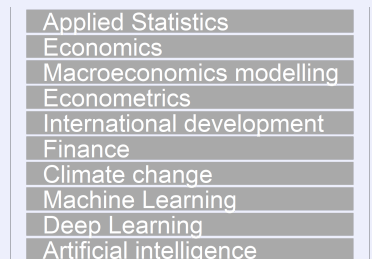
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CODING SKILLS

- SQL
- R
- HTML
- SAS
- Python
- Git
- C++

SOFTWARE

- Eviews
- Stata
- GAMS

INTERESTS

- Applied Statistics
- Economics
- Macroeconomics modelling
- Econometrics
- International development
- Finance
- Climate change
- Machine Learning
- Deep Learning
- Artificial intelligence

2014

Economic analyst intern(2 months)

Rabat, Morocco   📍 Offices des changes(Morocco ministry of finances)

• Analysinz of Morocco's foreign trade accounts
• Using principal component analysis (PCA) to figure out Marocco main trading partners
• Building times series models to forecast Morocco monthly exports and imports
• Used model: ARIMA
• Software used: Eviews