Abdel An'lah Tidjani

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Education

University of Warwick *Coventry, UK*

Master of Research plus PhD *jan 2031*

African School of Economics *Arconville Calavi, Benin*

MSc in Mathematics Economics and Statistics *jul 2023*
- **Courses:** Micro I & II, Macro , Political Economy,Development Economy ,Data Analyses, Finance, Econometrics I & II

National School of Applied Economics and Management *Cotonou, Benin*

Bachelor of Science in Statistics *Jan 2019*
- Minor: Demography

Workshops & Training

Political regimes: Developments, Typologies and Consequences *Oslo, Norway*

Peace Research Institute Oslo (PRIO) *5-7 Jun 2023*
- Prepare us to conceptualizing different regime types, to identify important characteristics of political dynamics within them, and understanding the impact of regime design on human welfare.
- Precise measurement and how different measurement strategies have downstream effects on conclusions to important research questions, sush as causes of regime change or economic consequences of regimes dynamics

AI Programming with Python Nanodegree *Online*

Udacity, AWS AI & ML Scholarship Program *Nov 2022 - Feb 2023*
- Covers foundations for building a neural network, introduction to Python and its libraries (Anaconda, Jupyter, NumPy, Pandas, and Matplotlib), linear algebra and calculus essentials.
- Project: Use a Pre-trained Image Classifier to Identify Dog Breeds and Creating one's own image classifier..

QuantEcon Summer Course in Quantitative Economics *Arconville Calavi, Benin*

QuantEcon, ASE & ENSEA and funded by Amazon (AWS). *11-22 Jul 2022 | 3-15 Jul 2023*
- Two-week workshop led by Nobel Prize winner Thomas Sargent.
- Covered linear algebra, optimization, introductory Python, high-performance computing, and macroeconomic applications.

Applied Data Science Lab *Online*

Worldquant University *Apr 2022 - present*
- Focuses on tackling real-world data science problems through a series of end-to-end projects, including Predicting apartment prices in Buenos Aires, Argentina, - Determining air quality in Nairobi, Kenya, - Assessing building damage following the 2018 earthquake in Nepal, - Bankruptcy in Poland, and -Customer segmentation in the US.

Experimental and Quasi-Experimental methods Workshops *Arconville Calavi, Benin*

African School of Economics *17 May 2021 - 19 May 2021*
- Covered causal inference, gender analysis, experimental and quasi-experimental analysis, and survey data management and analysis.
- Presented a common project on "Reducing violence by creating more inclusive economic opportunities for youth".

Skills

Programming	Python (Pandas, PyTorch, NumPy, Scikit-learn, Plotly. etc.), R(ggplot2, Tidyverse, caret),Stata, CSS, SQL.
Miscellaneous	Dash App, Shell (Bash), LaTeX(texstudio /R Markdown/ Quatro),HTML(R Markdown/ Quatro), Tableau, Microsoft Office, Git.
Soft Skills	Time Management, Communication, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Projects

Customers Churn Dashboard

Online

Dash Holliday Challenge | Plotly Dash App

Dec 2022 - Jan 2023

- The app won first place
- Created a customer segmentation data app to better understand consumer behavior.
- Provided insight on the relationship between churn and customer characteristics.
- **Technical Skills:** Dash, plotly, Pandas, Data analysis, Machine learning, Prediction, Optimisation, Classification model.
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Challenge.
- **Github Repo:** https://github.com/AbdelTID/Holiday-Plotly-Dash-Challenge

Pre-trained Image Classifier to Identify Dog Breeds

Online

AI Programming with Python Nanodegree | Udacity

Nov 2022 - Dec 2022

- Identified which pet images were of dogs and which weren't, and classified the breeds of dogs for the images that were of dogs.
- **Technical Skills:** Python with Pandas, matplotlib, Seaborn.
- **Github Repo:**https://github.com/AbdelTID/Pre-trained-Image-Classifier-to-Identify-Dog-Breeds

Political & Conflict Events in Ghana

Arconville Calavi, Benin

Political Economy | African School of Economics

Nov 2021 - Dec 2021

- Analyzed data from 1997 to 2020 to identify patterns and trends of conflict in Ghana using QGIS, Python, and R.
- Developed an interesting research question based on the patterns found and wrote a research proposal.
- **Technical Skills:** Python with Pandas, matplotlib, Seaborn, R, QGIS, LaTeX.
- **Soft Skills:** Logical Thinking, Critical Thinking,Time Management, Teamwork, Presentation skills, Report writing.
- **Github Repo:** https://github.com/AbdelTID/Armed-Conflict-Event

RA, Teaching & Mentoring Experience

Reasearch Assistant

Arconville Calavi, Benin

Political Economy | African School of Economics

Dec 2022 - present

- *Supervisor* : Ian Heffernan
- **Project 1:** Investigate the *parasite stress* hypothesis in Benin after pandemic crisis ofCOVID-19
- **Project 2:** test how National Identity and Altruism factors affect agreement with COVID-19 containment policy in Benin.
- Computed key measure variables, creating visualizations, conducting data analysis, running econometric models, testing hypotheses

Teaching Assistant

Arconville Calavi, Benin

Political Economy | African School of Economics

Nov 2022 - Dec 2022

- Assisted MMES II students with their projects on "Political and conflict events" using ACLED data.
- Provided training in Python, R, and QGIS for data analysis and visualization, shared additional resources and guidance as needed.
- Encouraged creativity and problem-solving and created opportunities for independent students-led work.

Group Leader

Arconville Calavi, Benin

QuantEcon Workshops | African School of Economics

11 Jul 2022 - 22 Jul 2022

- Planned day-to-day schedules and assignments, led discussion sections, and provided additional explanations on topics covered.

Professional Experience

Ministry of Health

Cotonou, Benin

Statistician Intern

Jan 2019 - May 2019

- Collaborated with the senior manager to calculate performance indicators for the Ministry and helped finalize the SARA 2018 report.
- **Technical Skills:** Excel, Powerpoint
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Honors & Awards

2022	**Pre Doctoral Programs**, African School of Economics	*Benin*
2022	**AWS AI & ML Scholarship Program**, Udacity	*Online*
2020	**World Bank Scholarship**, African School of Economics	*Benin*

Languages

English   Professional proficiency

French   Native proficiency