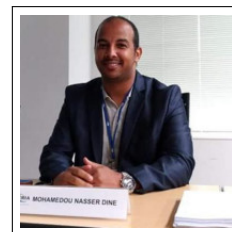# Mohamedou Nasser Dine, Ph.D

Economist | Public Policy Specialist | Data Scientist

Nouakchott Mauritania
✆ *28 88 60 17*
✉ *nasserdine.mohamedou@undp.com*

▬▬▬ EDUCATION

2017-2020	**PhD in International Public Policy (Public Policy and Economics)**, *Osaka School of International Public Policy*, **Osaka University, Japan**
Thesis title	**"Spatial Econometrics and its Applications in Labor Economics"**
Published on	Osaka University Library, at : *https://ir.library.osaka-u.ac.jp/repo/ouka/all/77637/*
2007–2009	**Master Degree in Financial Mathematics (Statistical Mathematics and Stochastic Calculus)**, *Mohamed V University*, Morocco (Ranked 1st)
2003–2007	**Three-years university – Bachelor degree in Applied Mathematics (Statistical Mathematics)**, *Moulay Ismail University*, Morocco

▬▬▬ PROFESSIONAL EXPERIENCE

10/2020 – present	**Head and Project Manager : Accelerator Lab	Head of Exploration and program analyst**, *United Nations Development Programme UNDP Mauritania*

Data manager ZAKAT's Project

- Conducting a comprehensive analysis of the EPCV (National Household Survey) 2019 database.
- Data wrangling and transformation for an easy analysis – using the R Programming software.
- Univariate and multivariate analysis and data visualization using the package ggplot2 with R.
- Drafting a research paper wherein the determinant of Zakat payment in Mauritania are studied using a binary logistic regression method – The results convey that age composition and socioeconomic status among other factors play a substantial role in predicting the likelihood of Zakat payment at the household level – Several policy implication are highlighted to support informed decision making in implementing Zakat project in Mauritania.
- Relying on the simple random sampling method, the study maps the potential of Zakat flows in Mauritania for different categories of goods (livestock, saving, cash,..etc) both a the urban a rural areas. A first attempt to estimate the potential of Zakat in Mauritania. (the paper is under-review for publication).
- Drafting a policy brief on the role that can play Zakat for promoting social protection in Mauritania - Under review.

Head of AccLab :
- Coordinating and managing the Accelerator Lab Mauritania's activity while paying particular attention to its strategic role in embedding innovation in its different interventions as well as the CO's. interventions.

- Exploring weak signals, new tendencies and emergent trends - Collecting and analyzing different data relevant to the Acc Lab's learning cycles - Identifying key partners - Leading the discussion with national and international potential partners - Elaborating reports and knowledge products- Managing a portfolio of development topics (Disasters, Healthcare - Informality and Agriculture sector - Solid waste management) - Contributing in setting out different experimentation (composting + informality in the agriculture sector - Enhancing healthcare-related services, etc.

Member of the Policy & Strategy Unit (UPS):

- Contributing to the integration and implementation of different SDGs in the country via the project Zakat, which aims at leveraging financial resources to tackle different development challenges.
- Contributing to the policy dialogue with government officials, private sectors' partners, and other partners.
- Contributing, under the supervision of the principal economist, to the work of the Policy Strategy Unit and the publication of several knowledge products - Review and quality control.
- Effectively analyzing a large household-level dataset (using the software R, packages ggplot2 and Rpretty) and extracting key relevant information - Data visualization - Presentation of the findings to governmental officials and partners - Contributing to the ongoing analysis and knowledge products on different projects.

Member of the Digital Transformation team :

- Spearheading the disruptive technologies and Data Science project in partnership with the Mauritanian Ministry of digital transformation.
- Elaborating the service offer for the Data Science, Data Analytics, Big Data, GIS/Remote sensing, etc.
- Participation in the creation of « l'Agence Nationale de Transformation Numérique de l'ETAT (ANETA) », the first national agency in Mauritania leading and ensuring the digital transformation for better access to the public and private sectors.
- Drafting the first report on the importance of disruptive technologies for better public policy intervention.

Member of the Macroeconomic Modeling Unit:

- Paricipating in Modeling macroeconomic policies/shocks using CGE Models and GAMS software.

4/2019 – Teaching Assistant, *Osaka University*
    9/19

- Teaching different mathematics subjects to Master students at OSIPP School, Osaka University, Japan
  – Data analysis and Panel Data using R and STATA : collecting and analyzing cross-sectional and panel data – Conducting OLS regression ad testing for the fixed and random effects hypothesis using Honda lagrangian muliplier test – Hausman test..etc - Probability and Statistical Mathematics, etc.

2/2018 – **Economist Consultant**, *Economic Research Institute for*
3/19 *ASEAN and East Asia,* **ERIA**, Jakarta, Indonesia

- Leading a team of researchers to assess the impact of the Global Value chain on productivity and employment at the industry-level in Japan by estimating a dynamic panel model using a Difference-Generalized Method of Moment (GMM).

- Using the World input-output tables to extract GVC's participation indicators using the Leontief 1936's method (Backward and Domestic value added exports) and combining with National Accounts.

- Providing evidence-based analysis and data-driven policy recommendations on the importance of the Domestic content of exports as a key driver to productivity and job creation in Japan.

- Shedding light on the substitution pattern of Backward linkages, which leads to less productivity at the sector-level.

- The paper, entitled *"Backward Linkages and Domestic contents of Export's effects on Labor Productivity and Employment: Evidence from Japanese industrial data"* and Co-authored with Dr. Tengku Munawar Chalil, is published in the **Journal of Economic Integration**.

4/2016 – **Independent & PhD Researcher**, *Osaka University*, Grad
9/2020 School of Economic , OSIPP

- *From 4/2016 to 10/17* – Researcher at the Graduate School of Economics:

– Research in econometrics and Spatial economertics.
– Developing a R code that enables model selection between different nested spatial models and based on Bayes posterior probability.
– Analyzing and presenting a research on financial economics using Survival Analysis.
  – Helping my supervisor analyzing large datasets and conducting all kind of statistical analysis relevant for the research.

○ ***From 10/17 – 9/20***, PhD researcher at Osaka University in public policy and economic:

– Labor Economics: A large prefecture-level dataset was collected and combined from different sources to analyze the job matching function while paying attention to the spatial spillovers effects.
– A big work on datasets analysis and statistical inferences.
– The authored research has been published in the ***Japanese Economic Review – Springer Nature***.
– International Trade and Development Economics
– National Accounts, Socio-Economic Accounts (SEA) and World input-output Tables WIOT analysis using STATA.
– Leonteif model analysis and trade in value added related variables calculation. – Several research papers published in peer-reviewed journals and international conference. – Spatial economertics work using R (RStudio).

10/2015 – 3/16 **Head of Department**, *Banque des Financements Islamique*, Mauritania

○ Orienting financial resources to support several development projects, mainly in the agriculture sector
○ In charge of the trade finance services.
○ Participating in elaborating the Bank's risk management policies
○ Market assessment and reporting to the management
○ Macroeconomic indicators' monitoring and analysis.

1/2013 – **Risk Manager**, *Mauritania Islamic Bank*, Mauritania
12/14

o Risk management and evaluation
o Financial analysis and credit risk assessment
o Monitoring and auditing of credit's accounts balances and accounting
o Focal point with the Central Bank of Mauritania in relation to risks management
o Participating in credit committee
o Trade finance
o Collateral's management
o supervision risk management team
o Building risk awareness amongst staff by providing support and training within the company
o Policy and compliance audits

5/2011 – **Credit Analyst**, *Banque Islamique de Mauritanie*, **1/13** Mauritania

o Credit risks analysis
o Financial statement analysis
o Credit administration
o Collateral management clients credit records.

12/2009 – **Customer Service Cheif**, *ML Leasing/Banque Populaire* , **5/11** Mauritania

INTERNSHIPS AND TRAINING

2006–2007 **Internship** , *Popular Group Bank*, Casablanca, Morocco

AWARDS

o 2016, MEXT scholarship awarded by the Japanese Ministry of Education, Culture, Sports, Science and Technology

ACADEMIC ACHIEVEMENT

Publications

- Mohamedou, N.D (with Dr. Tengku C.). Impact of Backward Linkages and Domestic Contents of Exports on Labor Productivity and Employment: Evidence from Japanese Industrial Data. **JOURNAL OF ECONOMIC INTEGRATION**, *https://doi.org/10.11130/jei.2021.36.4.607*, (2021).

- **POLICY BRIEF by:** Mohamedou, N.D. Employment, global value chains and spillover effects in Turkey, **ECONOMIC RESEARCH FORUM, 2022**. *https://theforum.erf.org.eg/2022/02/27/employment-global-value-chains-spillover-effects-turkey/*

- **POLICY BRIEF by:** Mohamedou, N.D. Productivity, global value chains and cross-industry spillovers in Turkey, **ECONOMIC RESEARCH FORUM, 2021**. *://theforum.erf.org.eg /2021/08/03/productivity-global-value-chains-cross-industry-spillovers -turkey/*

- Mohamedou, N.D. Labor mobility within Japanese regional labor markets and spillover effects. **THE JAPANESE ECONOMIC REVIEW, JER - SPRINGER NATURE** (2020). *https://doi.org/10.1007/s42973-020-00059-3.*

- Mohamedou, N.D. Global Value Chains Impact on Employment in Turkey and Spillover Effects. **JOURNAL OF ECONOMIC INTEGRATION** (2019). *Vol. 34, No. 2, pp. 308-326. DOI:10.11130/jei.2019.34*

- Mohamedou, N.D. Inter-industry Spillovers in Labor Productivity and Global Value Chain Impacts: Evidence from Turkey. **ECONOMIC RESEARCH FORUM**, *Working Papers No. 1430, 2020.*

- Mohamedou, N.D. Spillovers in Labor Productivity and Impact of Global Value Chains: Evidence from Turkey. **ERF Economic Research Fo-**

rum, 2020.

○ Mohamedou, N.D. Do Economic Determinants Affect the Homicide Rate in JAPAN? A Spatial Analysis. **SSRN Electronic Journal**, (2022)

○ **POLICY BRIEF by:** Mohamedou,N.D. 深刻化する環境問題に耐えるモーリタニア (Mauritania: Bearing escalating environmental problems), **Global News View** (2019) . *https://globalnewsview.org/archives/10571*

○ **BLOG:** Unité Politique Strategique - AccLab PNUD Mauritanie. Femmes Garagistes : Vers une Rupture avec Les Metiers Reservés. **UNDP Mauritania Official website - UNDP AFRICA Official Website**. 2021. *https://www.mr.undp.org/content/mauritania/fr/home/presscenter garagistes—vers-une-rupture-avec-les-metiers-reserves.html.*

○ **CONFERENCE PAPER**. Mohamedou, N.D. Spillovers in Labor Productivity and Impact of Global Value Chains: Evidence from Turkey. **ERF Economic Research Forum International Annual Conference** 2020.

Current Publications Under Review

○ Mohamedou, N.D. Do Economic Determinants Affect the Homicide Rate in JAPAN? A Spatial Analysis. **THE JAPANESE POLITICAL ECONOMY**, *Under-Review*, (2022)

○ Mohamedou, N.D. Productivity, global value chains and cross-industry spillovers in Turkey. **JOURNAL OF ECONOMIC STRUCTURES – SpringerOpen**. *Under Review*, (2022)

━━━━━━ AFFILIATION

THE JAPANESE ECONOMIC ASSOCIATION

━━━━━━ CONFERENCES, SEMINARS, AND PROJECTS

- **International Conference**: Spillovers in Labor Productivity and Impact of Global Value Chains: Evidence from Turkey. **ERF Economic Research Forum International 26th Annual Conference 2020**.

- **Seminar**: Labor Mobility within the Japanese Local Labor Markets and Spillovers Effects, **OSIPP OLS seminar 2019 - OSAKA, JAPAN**

- **Seminar**: Spatial Spillovers in Robbery Crime Rate in Japan, **OSIPP CEPO seminar 2019, OSAKA, JAPAN**

- **Seminar**: Do the Economic Determinants Explain the Homicide Rtae in Japan? A Spatial Analysis, **OSIPP CEPO seminar 2019, OSAKA, JAPAN**

- **Workshop**: "Labor Economic in Asia", **LABOR ECONOMIC IN EAST ASIA Workshop 2018, Jakarta, Indonesia**

CERTIFICATES

2022: **Data Analytics for Business Professionals** – National Association of State Boards of Accountancy (NASBA) - Linkedin Learning

2022: **The Manager's Toolkit: A Practical Guide to Managing People at Work** – University of London - Coursera

2022: **Business Metrics for Data-Driven Companies** – Duke University - Coursera

2022: **Getting Started with Power BI Desktop** – By Amit Yadav, Machine Learning and Data Science - Coursera Project Network

2022: **Digital Transformation** – Linkedin Learning

2022: **Using Spatial Data for Biodiversity** – NASA Applied Remote Sensing Training Program; UNDP

2021: **Computable General Equilibrium Models and Policy Analysis** - ECONOMIC RESEARCH FORUM

2021: **Introduction to Post Disasters Needs Assessment** – UNDP; WORLD BANK Group

2021: **R (Programming Language)** – Linkedin Badge

2021: **Python (Programming Language)** – Linkedin Badge

2021: **Introduction to Post Disasters Needs Assessment**, UNDP; EU; WB; GFDRR

2020: **Unlocking Investment and Finance in Emerging Markets and Developing Economies (EMDEs)** – World Bank Group

2020: **Fundamentals of Business Expansion** – YALI Network

2020: **Strategies for Personal Development and Growth** – YALI Network

2020 : **Introduction to R** – DataCamp

Certified **Researcher in Business and Management** – Grad. School of Economics, Osaka University

Certified **Islamic Banking** – IFAAS, Birmingham , UK

Certified **Islamic Finance** – Ibn Yacine University, Mauritania

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CODING SKILLS & STATISTICS SOFTWARE

R software   Statistical, Econometrics and Data Analysis – R Shiny (interactive web Apps and Dashboards – R Markdown reporting – Machine Learning

STATA   Statistics and Data Analysis – Programing using Mata – Spatial econometrics (15)

Python   for Machine Learning

GAMS   Computable General Equilibrium Models and Policy Analysis

C/C++   Skilled

ArcGis Pro	Spatial Data Analysis
GeoDA	Spatial Weight Matrices construction and Spatial Data analysis
QGIS	Spatial Data Analsyis – Remote Sensing

▬▬▬ LANGUAGES

English	Proficient
French	Proficient
Arabic	Native
Japanese	Intermediate

▬▬▬ References

○ **Anthony Ngororano** – UNDP Resident Representative in Mauritania
Email : anthony.ngororano@undp.org

○ **Samia Hamouda** – Principal Economist, UNDP
Email: samia.hamouda@undp.org

○ **Pr Masaru Sasaki** – Professor at Osaka University, Graduate School of Economics, Japan – Email: sasaki@econ.osaka-u.ac.jp

○ **Pr Otsuki Tonehiro** – Professor at Osaka University, OSIPP, Japan International Trade Economic Consultant at World Bank,WTO – Email: otsuki@osipp.osaka-u.ac.jp

▬▬▬ Published Interviews

○ Publisher : **LINK FINANCE – 2011**

○ Topic : **" LE MÉTIER DE CHARGÉ D'AFFAIRE EST UN MÉTIER PASSIONNANT ET NÉCESSITE DE RÉELLES QUALITÉS HUMAINES. "**

○ Publication : *https://www.linkfinance.fr/metiers/focus-1723-Nasser-dine-Larabass-Charge-daffaires-entreprises-idm-230.html*

PERSONAL INFORMATION

○ Nationality: Mauritanian

○ Date of Birth: 17 April 1984– Age(37)

○ Marital Status: Married – (3 kids)

○ Official website : nasserdine.netlify.com

○ Linkedin profile : *https://www.linkedin.com/in/mohamedou-nasser-dine-216760106/*

○ Google Scholar : *https://scholar.google.com/citations?user=EaVG930AAAAJhl=en*

○ Research Gate: *https://www.researchgate.net/profile/Mohamedou-Nasser-Dine-2*