

# Mohamed M. Eltayeb. PhD

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## PERSONAL INFORMATION

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### Areas of expertise

Economic Consultation, Academic Research and Teaching in Economics and Statistics.

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## PROFESSIONAL AFFILIATIONS

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- American Economic Association, Member.
- Sudanese Economists' Forum, Alexandria, VA, Member and Founder
- National Economists Club.VA, Member.
- Fellow SYLFF Foundation.

## AWARDS AND HONORS

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- Academic Excellence Award, George Mason University 1997
- Economic Department Scholarship, Howard University 2011
- Economic Department Scholarship, Howard University 2012
- SYLFF Foundation Fellowship Award, Howard University 2015
- SYLFF Foundation Fellowship Award, Howard University 2016

## SKILLS

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*Application software and data analysis software (Stata, SAS and EViews. Database Management Systems, (Oracle) Programming Languages, (Java, C++) and Applications. Economic Modeling Software, DSGE models tools (MATLAB)*

## EDUCATION

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Ph.D. in Economics	Howard University, Washington, DC	2017
MBA (Finance)	Strayer University, VA	2008
MSc (Computer Science)	University of Maryland, MD	2004
Master of Public Policy	George Mason University, VA	1998
B.Sc. Economics	Khartoum University, Khartoum	1986
Graduate Diploma (Economic Planning)	Khartoum University, Khartoum (DSRC)	1988

**DOCTORAL THESIS**, *"The Climate Change Impact on Crop Yield in Sub-Sahara Africa; a Production Function Approach"*

## **TEACHING EXPERIENCE**

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### **Howard County Community College, Columbia, Maryland, Department of Finance and Economics**

2014 – 2016: Taught courses include, International Economics, Business and Economics Statistics, Principles of Microeconomics, Principles of Macroeconomics.

### **Strayer University: Alexandria, Virginia, Department of Business and Economics**

Adjunct Faculty, 2005 – 2010: Taught courses include, Managerial Economics, Intermediate Microeconomics, Intermediate Macroeconomics, Principles of Economics, Money and Banking, and Comparative Economic Systems.

### **Prince George's Community College, Maryland, Department of Social Sciences**

Adjunct Faculty, 2006 – 2014:

Taught courses include Principles of Microeconomics, Principles of Macroeconomics, and Statistics.

### **Strayer University, Alexandria, VA, Department of Economics,**

Lecturer, 2005–2010

- Teaching courses including, Introduction to Microeconomics, Introduction to Macroeconomics, Microeconomic Theory I and II, Macroeconomic Theory I and II, Money and Banking, Forecasting in Business, Research Methods in Business and Economics, International Trade, Business Statistics.
- Teaching classes through distance learning or alternative delivery system through the internet for business and economics departments.

### **Howard Community College, Columbia, MD, Economics Department**

Lecturer, 2014 –2016

- Taught courses in Principles of Microeconomics and Macroeconomics.
- Developed courses contents and taught with focus on encouragement and motivation of students and guidance on career goals.

### **Prince George's Community College, Largo, MD, Economics Department**

Lecturer, 2006 –2014

- Taught Principles of Macroeconomics and Microeconomics.
- Worked with students to refresh their statistics and mathematics knowledge and improve their understanding of Micro and Macroeconomics, and Public Finance.

## **WORK EXPERIENCE**

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- **MACROINSIGHT CONSULTING, Alexandria, VA**, Economic Consultant, 2015–present.
  - Applied econometric modeling through employment, PhD studies or both, with special focus in environmental, monetary and international macroeconomics.
  - Applied economic theory to stress testing models and help to explain model results.
  - Engaged with business stakeholders to understand needs and ensure that analytical solutions are practical and will add value to their businesses.
  - Applied statistical, econometric and data mining techniques to identify, quantify, monitor and forecast different sources of risk.
  - Developed simulation and build different scenarios to guide and enhance effective decisions.
  - Developed optimization framework for funding, efficient risk allocation, and labor, capital and assets allocation to achieve optimal business decision.

### **G & A Associates, Falls Church, VA**, Market Analyst, 1999 –2005

- Developed plans for gathering and analyzing business requirements
- Assisted in application development by applying DBMS technology, maintenance, development, performance and tuning, writing stored procedures, and triggers for the system.
- Created financial models for different scenarios.
- Assisted in Design and Code reviews.
- Adopted Production Support procedures, Configuration Management processes and development methodologies.
- Developed several Ad-hoc reports using SQL.

### **The Millennium Project, The United Nations University**, Data Analyst, 1998 –1999

- Researched ongoing assessment of most important long-range issues and opportunities facing the globe and participated in focused analysis of policies and agencies to address these issues.
- Participated in preparation and editing of State of the Future Report (1999 edition).
- Conducted special studies on Future Issues of Science and Technology, Future Research Methodologies, Middle East Peace Scenarios, Environmental Security, Education and Learning to the year 2030, Future Global Ethical Issues, Lessons and Questions from History, and Future of Africa.
- Received advanced training in methodology and analysis of critical issues, opportunities and challenges, with special focus in African future issues.

## **SAMPLE PRESENTATIONS**

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Eltayeb M, “The Economic Impact of Climate Change in Sub-Saharan Africa” The Impact of climate change variables such as temperature and precipitation on crop yield in some selected SSA countries”, presented for African Studies Association, Howard University, Washington, DC, 2018.

Eltayeb M, “An Overview of Challenges Facing African Youth in the USA and their Prospective Involvement in the Socio-Economic Development of the African Continent”, Alexandria, Virginia, USA, March 2008

## **SAMPLE PUBLICATIONS**

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Eltayeb M, (2021). “A disappointing Budget: An Analysis of Sudan’s Revised 2020 Fiscal Budget and an analytical presentation of the 2021 Budget!! an article published in local Journal

Eltayeb M, (2021). “Exchange Rate Regime in Sudan: Is it a “Flexible Managed Float.” Or Steep Devaluation of the Sudanese pound!!!”, an article published in local Journal.

Eltayeb M, (2020). “Toward a more Realistic Economic Program for the New Sudan”, an article published in local Journal.

Eltayeb M, (2017). “The Political Economy of Inflation in Sudan 1989-2021”, an article published in local Journal.

Eltayeb M, (2017). “An Urgent Economic Program to be Implemented as soon as the Regime Falls”, an article published in local Journal.

Eltayeb M, (2017). “The Climate Change Impact on Crop Yield in Sub-Sahara Africa”, a PhD thesis, Howard University, Economics Department.

Eltayeb M, (2014). Brain Drain of Workers from Poor to Rich Countries: Sub-Sahara Africa-Case Study, a research paper, Howard University Economics Department.

Eltayeb M, (2008). “The Current US Financial Crisis and Global Recession”, a Directed Research Project.

Eltayeb M, (1990). “The External Debt Management in Sudan (1980-1990)”, a Research paper, Khartoum University Development Studies and Research Centre (DSRC).

Eltayeb M, (1986). “The Devaluation of the Sudanese Pound”, an article published in the Journal of Khartoum University Student Union (KUSU)”.

## **PUBLICATIONS & WEBINAR**

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<https://www.youtube.com/watch?v=4evInTUhCR0>

A lecture series (1-10) on Current Issues of Sudanese economy

<https://www.youtube.com/watch?v=LAEI5MwfsuA>

A TV channel interview on Sudanese Economic and Political issues. (1-4)

<https://www.youtube.com/watch?v=uqHqYq3AVXc>

A TV channel interview on Sudanese Economic and Political issues. (1-3)