

SONAN MEMON

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sonanmemon

EMPLOYMENT

Macroeconomic Consultant

Asian Development Bank: <https://adb.org/>
April-June 2024

Research Fellow

PIDE, Islamabad: <https://pide.org.pk/>
July 2021-June 2024

Lecturer

Department of Economics, IBA Karachi
August 2020-June 2021

EDUCATION

PhD Economics

University of Oregon, USA
Fall 2024-Current

Macroeconomics GPA: 4.0/4.0; Overall: 3.7/4.0.

MPhil Economics

University of Oxford, UK
2018-2020

Thesis Title: *Rational Herds and Endogenous Fluctuations in Consumer Sentiment*

Bachelor of Science (Honors)

Lahore University of Management Sciences, Pakistan
2014-2018

Major: Economics and Mathematics, CGPA = 3.92/4.0, Economics CGPA = 4.0/4.0

ACADEMIC ACHIEVEMENTS

- o Awarded the *Lockey Graduate Science Award* Scholarship and Graduate Employee Offer for PhD in Economics (Fall 2024) at the University of Oregon, USA.
- o Awarded the fully funded Oxford-Sir Anwar Pervez Graduate Scholarship from Oxford University for MPhil in Economics (2018-2020).
- o Represented Pakistan in 14th South Asian Economics Students' Meet (SAESM 2018) for budding economist competition.
- o Awarded merit scholarship in 2017-2018 due to 2nd position in Mushtaq Ahmed Gurmani School of Humanities and Social Sciences at LUMS.
- o Awarded Pakistan level distinction in A level Economics and Urdu along with joint second position in Karachi across three A level subjects for 2014 exams.

KEY GRADUATE COURSES AT OXFORD

- o Heterogeneous Agent Models in Economics (Professor Jesús Fernández-Villaverde).
- o Advanced Macroeconomics: Applied Monetary Policy, Solution and Estimation of DSGE Models, Learning, Robust Control and Bayesian Estimation.
- o Advanced Econometrics: Machine Learning, High Dimensional Data and Outlier Detection.

RESEARCH INTEREST: INTERNATIONAL MONETARY ECONOMICS

SUB-INTERESTS:

- o **Global MP Transmission:** Estimating The Transmission of Exogenous, Domestic and International Monetary Policy Shocks on Inflation and Inequality Across Different Policy Climates.
- o **International Networks of Monetary Institutions:** Understanding the Network Structure of Private and Central Banks.
- o **Learning:** Heterogeneous Learning and Convergence of Expectations In Open Economy, New Keynesian Business Cycle Models.

Research Assistance

FOR DR. IRFAN QURESHI

LUMS and Asian Development Bank

Fall 2018 and Spring 2023

- Worked on estimation of elasticity of inter-temporal substitution (EIS) through survey data collection on consumer expectations (Fall 2018).
- Worked on building a rich, quarterly data base on turnovers of governors for 60 countries, decomposing turnovers by regular, irregular and ally or political appointments (Spring 2023).

Research Work

CONSULTANT FOR ASIAN DEVELOPMENT BANK

Disaster Shocks and Global Business Cycles

March-June 2024

- I worked as a consultant with the Asian Development Bank, doing research on measurement of exogenous monetary policy uncertainty changes around disaster periods in the US and its global transmission for inflation across advanced and emerging economies.

DEPARTMENT OF ECONOMICS, UNIVERSITY OF OXFORD, UK

MPhil Thesis, Supervisor: Professor Michael McMahon

2019-2020

- I wrote a theoretical thesis, building a learning model in general equilibrium, in which *asymmetric* business cycles can emerge due to *endogenous* fluctuations in consumer sentiment.

Peer Reviewed Publications

Memon, S, Qureshi, IA. Income inequality and macroeconomic instability. Rev Dev Econ. 2020; 00: 1– 32. <https://doi.org/10.1111/rode.12730>

Memon, S. Machine Learning for Economists: An Introduction. Commentary, The Pakistan Development Review. 2021; Vol.60, No. 2. 201-211. <https://doi.org/10.30541/v60i2pp.201-211>

Recent Working Papers/Projects

The Desirability of Economic Inequality: A Discourse (December 2023)

Expectation Shocks and Business Cycles (April 2023)

High Frequency Inflation Forecasting With Machine Learning (November 2022)

Research Tools and Methods

- **Programming (Advanced):** MATLAB (with Dynare and IRIS Toolboxes), R Studio, Julia & L^AT_EX.
- **Programming (Intermediate):** Python (Data Science and Machine Learning) and STATA.
- **Econometric Methods:** Dealing with Time Series and Cross-Country Panel Datasets. Empirical Macro Models e.g VAR (vector auto-regressions), Local Projections, Bayesian VARS and Machine Learning (LASSO, Synthetic Data and Deep Learning).

References

Dr. Irfan Qureshi
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Asian Development Bank (ADB), Philippines
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