Sonan Memon

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Employment

	University of Oregon, USA
Graduate Employee	*September 2024 to June 2025*
	Asian Development Bank: https://adb.org/
Macroeconomic Consultant	*January-June 2024*
	PIDE, Islamabad: https://pide.org.pk/
Research Fellow	*July 2021–June 2024*
	Department of Economics, IBA Karachi
Lecturer	*August 2020–June 2021*

Education

	University of Oregon, USA
PhD Economics	*2024-Present*
Macroeconomics: 3.9/4.0 (A/A+/A-); Overall: 3.6/4.0	
	University of Oxford, UK
MPhil Economics	*2018–2020*
Thesis Title: *Rational Herds and Endogenous Fluctuations in Consumer Sentiment*	
	Lahore University of Management Sciences, Pakistan
Bachelor of Science (Honors)	*2014–2018*
Major: Economics and Mathematics, CGPA = 3.92/4.0, Economics CGPA = 4.0/4.0	

Academic Achievements

- Passed the PhD Economics Qualifying Exams at University of Oregon in July 2025.
- Awarded the *Lockey Graduate Science Award* Scholarship and Graduate Employee Offer for PhD in Economics (Fall 2024) at the University of Oregon, USA.
- Awarded the fully funded Oxford-Sir Anwar Pervez Graduate Scholarship from Oxford University for MPhil in Economics (2018-2020).
- Represented Pakistan in 14th South Asian Economics Students' Meet (SAESM 2018) for budding economist competition.
- Awarded merit scholarship in 2017-2018 due to 2nd position in Mushtaq Ahmed Gurmani School of Humanities and Social Sciences at LUMS.
- 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.

Graduate Courses at Oxford

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

Research Interest: International Monetary Economics

Sub-Interests:

- **Global MP Transmission**: Estimating The Global Transmission Effects of US-based Monetary Policy Shocks.
- **International Monetary Networks**: Understanding the Network Structure of Private and Central Banks Across the Globe.

- **Learning**: Heterogeneous Learning and Convergence of Expectations in 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   *Jan-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* & LaTeX.
- **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 and Bayesian VARS.

References

References

Dr. Irfan Qureshi
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Asian Development Bank (ADB), Philippines
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Dr. Jose Carreno-Garcia
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Department of Economics, University of Oregon
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