Dr. Muhammad Salman Khalid

Assistant Professor of Economics, Aga Khan University, Karachi
salman0399@outlook.com | linkedin.com/in/salman0399
Google Scholar | SSRN | salman-khalid.com

Research and Teaching Interests

Research. Applied microeconomics, causal inference and program evaluation, health economics, economics of crime and policing, development economics, public policy.
Teaching. Econometrics and applied econometrics, causal inference, data analytics for economists, health economics.

Education

Ph.D. in Economics, Claremont Graduate University, USA May 2024
Concentration in applied microeconomics, econometrics, and causal inference. CGPA 4.0. Fulbright Scholar.

- Dissertation, *Applications of Methods in Causal Inference*
- Chair, Gregory DeAngelo. Committee members, Scott Cunningham and Mark Hoekstra

M.A. in Economics, Claremont Graduate University, USA
CGPA 4.0.

M.S. in Economics, Lahore University of Management Sciences (LUMS), Pakistan June 2017
CGPA 3.56. Supervisor, Dr. Syed Muhammad Hussain.

B.Sc. (Hons) in Economics, minor in Mathematics, LUMS, Pakistan July 2014

Academic Appointments

Assistant Professor of Economics, Faculty of Arts and Sciences, Aga Khan University, Karachi January 2027 to Present

Assistant Professor, School of Economics and Social Sciences, IBA Karachi July 2024 to December 2026

Director, Economic Growth and Forecasting Lab, IBA Karachi July 2025 to December 2026

Research

Peer-Reviewed Publications

- S. Razaq, A. Batool, U. Ali, **M. S. Khalid**, U. Saif, and M. Naseem. "Iterative Design of an Immunization Information System in Pakistan." *Proceedings of the 7th Annual Symposium on Computing for Development (ACM DEV)*, December 2016. DOI 10.1145/3001913.3001925

Submitted

- A. Assamidanov and **M. S. Khalid**. "When Parents Can Spare Time: Paid Sick Leave and Adolescent Mental Health." Submitted to the *American Journal of Health Economics*, September 2026.

Working Papers

- **M. S. Khalid** and U. Ali. "Efficacy of Technology-Aided Monitoring for Early Childhood Vaccination Coverage: Evidence from a Natural Experiment." SSRN Working Paper. DOI 10.2139/ssrn.3962598
- **M. S. Khalid**, M. Stockham, and A. Assamidanov. "Revisiting Unilateral Divorce, Health, and Crime." Working paper, 2022.

Work in Progress

- "Are Police Trainings Effective in Providing Procedural Justice? Evidence from the Dallas Police Department."

Grants, Honors, and Awards

Principal Investigator, Competitive Research Grant, School of Economics and Social Sciences, IBA Karachi 2024
Wealth Transfer from Developed Nations to Developing Nations during COVID

American Institute for Economic Research Award 2021 to 2022
Runner-Up, National Institute of Justice Recidivism Forecasting Challenge 2021
Fulbright Scholar 2019 to 2024

CGU Trustee Fellowship Award 2019 to 2020
National Outreach Program Scholar, LUMS 2010 to 2014

Teaching

IBA Karachi, Instructor

Evaluations are on a five point scale and report the mean across sections, with the range in parentheses.

Course	Level	Terms	Sections	Mean evaluation
Applied Econometrics I	Undergraduate	Fall 2024, Spring 2025, Fall 2025	5	4.24 (3.84 to 4.49)
Applied Econometrics II	Undergraduate	Spring 2025, Spring 2026	4	4.35 (4.06 to 4.58)
Data Analytics for Economists	Undergraduate	Fall 2025	1	3.32
Health Economics (cross-listed)	UG and MS	Spring 2026	2	4.40 (4.26 to 4.54)
Economics Review	Graduate	Summer 2025		n/a

Overall mean evaluation of 4.23 across 12 rated sections. Applied Econometrics I is also scheduled for Fall 2026.

Workshops and Supervision

- Instructor, *Introduction to Causal Inference*, one-day open workshop for students, researchers, and faculty, IBA Karachi, Spring 2026
- Instructor, half-day training on *Why Some Countries Are Left Behind, Economic Complexity and the Product Space*, for EMBA candidates, IBA Karachi
- Supervised ten final year undergraduate theses, IBA Karachi

Prior Teaching

- Visiting Faculty, California State University, Los Angeles
- Teaching Assistant, Econometrics II, Claremont Graduate University
- Visiting Faculty, Beaconhouse National University, Operations Management and Applied Business Forecasting
- Teaching Assistant, multiple courses, Lahore University of Management Sciences

Conference Presentations and Discussant Roles

Presenter, *Development Trajectories, Understanding Poverty, Inequality, and Human Capital in the Global South*, ITU Lahore February 2026
Paper, "Efficacy of Technology-Aided Monitoring for Early Childhood Vaccination Coverage"

Discussant, Fifth Annual International Conference, Center for Business and Economic Research (CBER), IBA Karachi November 2025
Session, "AI in Economic Research, Policy and Planning"

Discussant, Fourth Annual International Conference on Rethinking Economics, CBER, IBA Karachi December 2024

Presenter and Discussant, Applied Development Conference, Lahore School of Economics 2024
Presented "Efficacy of Technology-Aided Monitoring for Early Childhood Vaccination Coverage." Discussed "Punjab Safe City App, Shifting Safety Perceptions and Increasing Female Mobility" (presenter, Fareena Malhi, University of Bath)

Presenter, Computational Justice Lab, Claremont Graduate University 2023
Paper, "Revisiting Unilateral Divorce, Health, and Crime"

Presenter, Computational Justice Lab, Claremont Graduate University 2022
Paper, "Are Police Trainings Effective in Providing Procedural Justice? Evidence from the Dallas Police Department"

Service

Institutional

- Member, IBA Financial Committee
- Member, School of Economics and Social Sciences Research Ethics Committee
- Member, IBA Promotion Committee
- Member, Organizing Committee, CBER Conference 2025, IBA Karachi
- Patron, IBA Welfare Society, 2024 to 2026

Professional

- Paper Reviewer, CBER Annual International Conference, IBA Karachi, 2024 and 2025
- Paper Reviewer, 9th Annual Southern California Graduate Conference in Applied Economics (SOCAE), 2026

- Member, Computational Justice Lab, Claremont Graduate University
- Member, Social Inequality Lab, IBA Karachi

Policy Writing and Media

Editorial and Policy Work

- Editor, *Missed Opportunity: Revisiting Pakistan's Choices*, State of Pakistan's Economy 2024-25, IBA Karachi
- **M. S. Khalid**, H. Ahmed, A. Gul, S. Quinn, and K. Vyborny. "Inclusion of People with Disability in Pakistan's Third Tier Organizations." Policy brief, Pakistan Poverty Alleviation Fund (PPAF), April 2019.

Articles

- **M. S. Khalid**. "The Case for a Child Registry." *The News*, 9 October 2026.
- **M. S. Khalid**. "90% Inflation Trap That Resets No Tax Bracket." *The Express Tribune*, 1 June 2026.
- S. A. Mahmood and **M. S. Khalid**. "Water Scarcity in Pakistan, a Geopolitical Ticking Time Bomb." *Dawn*, 28 July 2025.

Media Appearances

- Guest, *Khabar Mohammad Malick Kay Saath*, ARY News, June 2026. Pre-budget 2026-27 discussion on tax bracket indexation
- Guest, *Narratives* with Munazza Siddiqui, Narrative TV, June 2026. Podcast on tax bracket indexation and the salaried middle class

Prior Research and Consulting Experience

Research Consultant, Pakistan Poverty Alleviation Fund (PPAF) 2016 to 2019
Funded by the World Bank, NSF, and IGC.

- Managed field operations for a nationwide randomized controlled trial evaluating development interventions
- Supervised enumerators and field teams, and produced policy briefs for donors
- Managed timelines and budgets

Research Consultant, Gender and Digital Inclusion Study, ITU Lahore October 2017 to March 2018

- Conducted mixed methods research on gender disparities in access to digital technology in Pakistan

Research Associate, Har Zindagi Project (DFID funded), Information Technology University (ITU) Lahore 2015 to 2016

- Designed and implemented a randomized controlled trial of a technology-aided monitoring intervention for early childhood immunization in Punjab
- Conducted power calculations, survey design, and evaluation methodology, and managed baseline and endline data collection

Skills

Methods. Causal inference and quasi-experimental design, staggered adoption and event study designs, difference-in-differences, synthetic difference-in-differences, randomized controlled trials, impact evaluation.
Software. Stata, R, Python, SPSS, ODK, SurveyCTO, SurveyMonkey, ArcGIS.
Data science. Machine learning, data visualization, applied data analytics.
AI and automation. Generative AI and AI-assisted workflows for research and teaching (Claude, ChatGPT, Google Gemini), including coding, data cleaning, literature review, and course material development.