Khawaja Hassan Mahmood

Email: hassan_202@hotmail.com

Website: https://sites.google.com/view/khhassan

Address: 273–B Eden City,
Main Airport Road, Lahore

Research interests	Urban and regional economics, macroeconomics	

Education

University of London		
Graduate diploma in mathematics. *PASS*		2018
Lahore University of Management Sciences		
MS in Economics. *GPA: 3.62*		2016
Lahore School of Economics		
BSc in Economics and Finance. *GPA: 3.47*		2013

Honors and scholarships

50% scholarship covering tuition fee (Lahore School of Economics)	2009
50% scholarship covering tuition fee (Lahore Grammar School)	2007
Recognized at Annual Prize Distribution Ceremony for achieving 4 straight A Level grades (Lahore Grammar School)	2009
1st position in Economics A Level second–year (Lahore Grammar School)	2009
2nd position in Business Studies A Level first–year (Lahore Grammar School)	2008

Research experience

Affordable Housing: Urban Premium and congestion costs in Pakistani cities. Mahmood, K. H., Hasan, S., & Rehman, A.

International Growth Center, Project Code: PAK–19078   2019

Quantifying Economic and Urban Growth of Pakistan: Subnational analysis using nighttime lights data. Mahmood, K. H., & Majid, H.

PERI Discussion Paper. link   2017

Teaching experience

GIS Trainer   Jan 2022

Adam Smith International (ASI)

Conducted 5–days training session for Khyber Pakhtunkhwa's government officials regarding the use of satellite data for extracting GDP estimates. Authored 60–page training manual for the participants. Developed practical exercises and post training review assessments.

Teaching assistant   Spring 2018, 2019
Department of Economics (LUMS)
Conducted weekly tutorial sessions of ArcGIS software for ECON 372: Urban Economics classes of 30 and 50 students. Directed students in formulating research projects and research presentations

Lead Trainer   Feb 2017
Punjab Economic Research Institute (PERI)
Organized 3–days workshop for undergraduate students aimed at collecting, storing and analyzing spatial data for economics research.

Mathematics instructor   April 2012–May 2013
Tutored A Level mathematics and business studies to 5 students

Professional experience

Adam Smith International (ASI)   Lahore
Research Support–Consultant   Feb 2021–Present
Assisted in review of literature, development of methodological framework and writing of academic quality report for Sustainable energy and economic development (SEED)'s nighttime lights study. Link to Report and Policy Brief

Lahore University of Management Sciences (LUMS)   Lahore
Research Assistant   June 2019–Present
Assisting Dr. S. M. Hasan (Assistant Professor) and Punjab Safe City Authority (PSCA) in assembling / standardizing 'Big Data' generated by traffic–cameras using Stata and Excel VBA. Generating and analyzing GIS major road network for Lahore city. Use of multivariate statistical techniques in order to estimate economic cost of congestion

Centre for Economic Research in Pakistan (CERP)   Lahore
Research Associate–Economic Vulnerability Assessment   Sep–Nov 2020
Supervisor(s): Dr. Basit Zafar (Uni. of Michigan), Dr. Javeria Qureshi (Uni. of Ilinois). Assisted PIs in data cleaning, analysis and presentations. link

Research Associate–Women's Mobility/De Facto Rights   Aug 2018–May 2020
Supervisor(s): Dr. Kate Vyborny (Duke), Dr. Erica Field (Duke)
Job responsibilities included cleaning, summarizing and analyzing datasets for presentations to donors and analysis. Design of survey questionnaires and implementation. Monitoring and evaluation of survey team. Helped draft and write policy briefs / fact sheets: link 1 , link 2

Punjab Economic Research Institute (PERI)   Lahore
Assistant Research Fellow   Mar 2016–Feb 2017
Consulted economic advice to Urban Development and Road Infrastructure departments. Contributed to report writing and drafted policy brief: link

Consortium for Development policy research (CDPR)   Lahore

Member Research Staff   Dec 2015–Jan 2016

Assisted in and monitored computerization of economic database of industrial and commercial units in Punjab

Voluntary experience and internships

International Growth Center (IGC)   Lahore

Training Facilitator   July 2014

Supervisor(s): Dr. Michael Callen (Harvard), Yasir Khan (UC Berkely)

Trained female health supervisors and provided technical support to experimental subjects for an RCT project based in Lahore.

Survey team member   Jan 2014

Supervisor(s): Dr. Hadia Majid (LUMS), Dr. Mahvish Shami (LSE)

Conducted face–to–face interviews in squatter settlements for project 'The Political Economy of Public Goods Provision in Slums'

Alif Laila Book Bus Society   Lahore

USAID Intern   Jan 2014

Designed and updated manuals relating to procurement and human resource procedures. Developed financial budgets for future projects.

Seminars and Workshops

Math+Econ+Code masterclass

Attended 5–days training sessions (on Zoom) in June 2021 and Jan 2022 conducted by NYU's Professor Alfred Galichon. Learned about computational techniques relating to optimization and equilibrium problems.

Urban Unit's GIS Training

Attended 10–days training in Oct 2016 aimed at teaching theoretical and operational skills of GIS. Learned about analytical operations, remote sensing / image processing, cartography, among others.

Skills

Software

Proficient in: Stata, ArcGIS, LATEX   Familiar with: Python, R

Languages

Urdu (fluent), English (fluent)

References

Dr. Syed Hasan   Dr. Hadia Majid

Associate Professor   Associate Professor

Department of Economics, LUMS   Department of Economics, LUMS

syed.hasan@lums.edu.pk   hadia.majid@lums.edu.pk

Dr. Mushtaq Khan

Professor

Department of Economics, LUMS

mushtaq@lums.edu.pk