

Khawaja Hassan Mahmood

Email: kmahmood@iu.edu

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

Address: 701 E 10th Street #6,

Bloomington, IN 47408

Research interests	Urban and regional economics, trade, macroeconomics	
Education	Indiana University Bloomington	
	Ph.D Economics.	2022-27
	University of London	
	Graduate diploma in mathematics. <i>PASS</i>	2018
	Lahore University of Management Sciences	
	MS in Economics. <i>GPA: 3.62</i>	2016
Honors and scholarships	Lahore School of Economics	
	BSc in Economics and Finance. <i>GPA: 3.47</i>	2013
	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
	1 st position in Economics	
	A Level second-year (Lahore Grammar School)	2009
	2 nd position in Business Studies	
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.	
Teaching experience	PERI Discussion Paper. link	2017
	Graduate Assistant	Fall 2022, Spring 2023, Fall 2023
	Dep. of Economics - Indiana University Bloomington	
Conducted weekly Collaborative Learning sessions for undergraduate students for ECON-B 251 Fundamentals of Economics for Business I (course taught by Prof. Paul Graf)		

Professional
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

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 Illinois). 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, L ^A T _E X Familiar with: Python, R	Languages Urdu (fluent), English (fluent)	
References	Dr. Syed Hasan Associate Professor Department of Economics, LUMS syed.hasan@lums.edu.pk		Dr. Hadia Majid Associate Professor Department of Economics, LUMS hadia.majid@lums.edu.pk
	Dr. Mushtaq Khan Professor Department of Economics, LUMS mushtaq@lums.edu.pk		