

Attique Ur Rehman

CONTACT INFORMATION	Block-E, Phase-I DHA, Lahore 54000, Pakistan.	+92-344-4000212 aatique.rehman@gmail.com
EDUCATION	University of Delaware Doctor of Philosophy - Ph.D. Economics	2020 - Present
	The London School of Economics and Political Science Graduate Diploma Mathematics. <ul style="list-style-type: none">Courses: <i>Further Linear Algebra, Further Calculus, Abstract Mathematics, Advanced Mathematical Analysis, Optimization Theory, Advanced Statistical Distribution, Advanced Statistical Inference</i>	2017 - 2020
	Lahore University of Management Sciences, Lahore, Pakistan. MS Economics. <ul style="list-style-type: none">Thesis Title: <i>Agglomeration Economies, Technical In-efficiency and Zipf Law: Analysis using firm data for Small and Cottage Industries of Punjab.</i> Advisor: Mushtaq. A. Khan, Ph.DGPA: 3.49/4.00	2013 - 2016
	Government College University, Lahore, Pakistan. BSc.(hons) Economics. <ul style="list-style-type: none">GPA: 3.43/4.00	2009 - 2013
JOURNAL PUBLICATIONS	Hasan, S. M., Rehman, A., Zhang, W. (2020). Who can work and study from home in Pakistan: Evidence from a 2018–19 nationwide household survey. <i>World Development</i> , 138, 105197.	
WORKING PAPERS	Affordable Housing: Urban Premium and Congestion Costs in Pakistani Cities (Co-PI with Dr. S.M. Hassan and Khawaja Hassan Mehmood) Teacher and school accountability in Khyber Pakhtunkhwa Province, Pakistan (Co-PI with Dr. Naureen Karachiwalla, Dr. Katrina Kosec, Dr. Saher Asad, Dr. Masooma Habib and Dr. Clare Leaver) Women Voting Preference in Kasur NA-140, Punjab Province, Pakistan (Co-PI with Dr. Karrar Jaffar, Yasir Khan, Zain Ch.)	
RESEARCH EXPERIENCE	The World Bank - ID4D <i>Consultant</i> <ul style="list-style-type: none"><i>Geo-tagging BISP Data</i> Supervisor: Kate Vyborny, PhD	July 2020 - Present
	Center for Economic Research in Pakistan (CERP) <i>Senior Associate</i> <ul style="list-style-type: none"><i>Economic Vulnerability Assessment project</i>	June 2020 - Sep 2020
	Development Impact Evaluation (DIME), World Bank <i>GIS Analyst</i> <ul style="list-style-type: none"><i>Pakistan Economic Corridors project</i> Supervisor: Alice Duhaut, PhD Geo-Referenced historic road network of Pakistan using the ArcGIS	Aug 2019 - Sep 2019
	Center for Economic Research in Pakistan (CERP) <i>Senior Research Associate</i>	Feb 2019 - Feb 2020

- *Women's Mobility*
Supervisor: Kate Vyborny, PhD, Erica Field, PhD
Managed an employment facilitation program formally called Job Talash (search). Used Stata, Python, R and Markdown for data cleaning, analysis and presentations.

International Food Policy Research Institute (IFPRI)

Research Associate

Nov 2018 - Present

- *Improving Accountability in Khyber Pakhtunkhwa's (KP's) Schools (IKAS)*
Supervisors: Dr. Naureen Karachiwalla, Dr. Katrina Kosec, Dr. Masooma Habib, Dr. Saher Asad, Dr. Clare Leaver
Working on a IGC funded RCT project based in Khyber Pakhtunkhwa province, Pakistan that aims at improving student learning by introducing a school specific and teacher specific performance evaluation to enhance accountability. Responsibilities include CAPI coding of survey questionnaires on CSPRO 7, data analysis using administrative data sets, preparation of sample, interacting with government officials and the survey firm for the project design and implementation strategy, field and logistical support, training of enumerators and district education officials, data cleaning and processing for the paper.

Lahore University of Management Sciences (LUMS)

Research Associate

Sep 2018

- *Impact of cell phones on student learning*
Supervisor: Dr. Muhammad Farooq Naseer
Designed a CAPI on CSPRO and integrated with STATA to automate the data gathering/analysis process for a Randomized Control Trial project by Dr. Farooq Naseer and Dr. Karrar Jaffar.

Lahore University of Management Sciences (LUMS)

Research Associate

Dec 2017 - Feb 2019

- Supervisor: Dr. Saher Asad
Worked on multiple projects analyzing spatial data related to environment, agriculture and conflict using ArcGis, Python and STATA.
- *The Greenness of Pakistani Cities 2004-2014: Urban Growth and Household Carbon emissions*
Supervisor: Dr. Syed M. Hassan
Worked in the Economics Department on environment related project. Responsibilities included rigorous analysis of household level datasets using STATA and ArcGIS.

Lahore University of Management Sciences (LUMS)

Data Consultant

Jan 2017 - May 2017

- *Development of Industrial strategy for Punjab, Pakistan.*
Worked with a team of Researchers from LUMS and the International Growth Centre (IGC) to develop an industrial strategy for Punjab and align the provincial strategy with the CPEC (China Pakistan Economic Corridor). Responsibilities included spatial mapping of Industrial Clusters using ArcGIS and data analysis using STATA.

Lahore University of Management Sciences (LUMS)

Research Associate

Aug 2016 - Feb 2017

Supervisor: Dr. Syed M. Hassan

- Worked in the Economics Department on a project related to environment pollution. Using the Pakistan Social and Living Standards Measurement (PSLM) data, the research work aimed at measuring how much, on average, households contribute to environment pollution.

Consortium for Development Policy Research (CDPR)

Research Associate

Oct 2015 - Sep 2019

- *Training Needs Assessment of Civil Servants of Pakistan.*
Worked on a UNDP funded project which aimed at conducting a Training Needs Assessment of Civil Servants of Pakistan.
- *Development of an Electronic Database for the industrial and commercial activity and a Spatial analysis of Small and Cottage industries in Punjab Pakistan*
Supervisors: Dr. Ijaz Nabi, Dr. Naved Hamid, Dr. Syed M. Hassan
Worked as a Project Manager on the project funded by the IGC, which aimed to develop an electronic

database of industrial and commercial activity and conduct spatial analysis of Small and Cottage Industries in Punjab. Responsibilities included managing the overall project, supervising a team of 10 research assistants, and ensuring quality control of data entry through customized .ado files on STATA. Also conducted a Total Factor Productivity analysis of small and cottage industries of the Punjab and spatial analysis using ArcGIS.

- *Trade potential of Pakistan with India and other East Asian countries*
Supervisors: Dr. Ehsan Ch., Dr. Ijaz Nabi, Dr. Antonio Morrasco
Worked on a project on regional trade funded by the IGC. The study aimed to estimate the trade potential of Pakistan with India and other East Asian countries by employing a gravity model specification. Responsibilities included collating and cleaning relevant data and conducting econometric analysis using large data sets acquired from the COMTRADE database
- *A study on the Energy Sector in Pakistan*
Supervisors: Dr. Hanid Mukhtar, Dr. Rashid Aziz
Worked on a study funded by Adam Smith International on the energy sector in Pakistan. Conducted analysis of household level data using STATA to understand energy use and consumption.

Lahore University of Management Sciences (LUMS)

Research Associate

July 2015 - Dec 2015

- *Learn While You Teach*
Supervisor: Dr. Muhammad Farooq Naseer
Worked on a project related to education. The project was an RCT aimed at improving the skills of teachers. Responsibilities entailed data analysis using STATA and field and logistics support for interventions.

Center for Economic Research in Pakistan (CERP)

Research Associate

Sep 2014 - Oct 2014

- *Procurement Efficiency Project*
Principal Investigators: Dr. Adnan Khan, Dr. Michael Best
The project aimed at enhancing value for money in government departments. Performed data analysis, data entry, and provided field and logistics support for interventions.

Lahore University of Management Sciences (LUMS)

Research Associate

June 2014 - August 2014

- Supervisor: Dr. S.M. Turab Hussain
Worked for his book work titled Candles in the Dark. Responsibilities entailed conducting interviews of CEOs of different organizations of Pakistan and understanding the success of these organizations in the light of the political economy of Pakistan.

TEACHING EXPERIENCE Adjunct Faculty Jan 2020 - Present
ECON 330 - Econometrics
Department of Economics, LUMS.

Teaching Assistant Fall 2015
ECON 111 - Micro Economics
Instructor: Ali Cheema, Ph.D
Department of Economics, LUMS.

WORKSHOPS/
TRAININGS **Improving Khyber-Pakhtunkhwa's Accountability System (IKAS)**
Lead Trainer Nov 2017 - Jan 2018
• Trained and facilitated 40 government officials of Elementary and Secondary Education Department KPK to carry out teacher and schools inspections on an android application designed on CSPro.

Lahore University of Management Sciences (LUMS)

STATA Lab Instructor

April 2016 - May 2016

- Teaching Assistant for Financial Econometrics (Fin:321), conducting weekly STATA lab sessions to a class of 32 students.

Training Facilitator, Dynamic Inconsistency and Government Service Delivery April 2016 - May 2016

- Representing Harvard and IGC, managed the distribution of android cell phones, trained female health supervisors, provided technical support to experimental subjects, and navigated field operations for an RCT project based in Lahore district, Pakistan. The principal investigators were Dr. Michael Callen (Harvard), Dr. Karar Jaffar (LUMS) and Yasir Khan (Berkeley)

SKILLS

- **Programs:** STATA (*Advanced; able to write .ado files*), ArcGIS (*Advanced; with Python*), CSPro (*Advanced; integrating with STATA to automate the data analysis process*), Python (*Basic*), R (*Basic*), L^AT_EX (*Advanced; able to integrate with STATA*), Markdown.
- **Languages:** English (Advanced), Urdu (Native), Punjabi (Native).

INTERESTS

Swimming, Chess, Piano, Long distance running and STATA blogging