

# Curriculum Vitae

**Atiq-ur-Rehman**

[atiq@pide.org.pk](mailto:atiq@pide.org.pk)  
[ateeqmzd@gmail.com](mailto:ateeqmzd@gmail.com)  
+92-334-5336263

Assistant Professor,  
Department of Econometrics and Statistics,  
Pakistan Institute of Development Economics,  
QAU Campus, Islamabad

## **Short Academic Profile**

### **Education**

Highest Qualification	PhD Econometrics
Supervisor:	Prof. Asad Zaman, Vice Chancellor PIDE
Title/Area of PhD Research	Model Specification and Unit Root Tests/ Time Series Econometrics

### **Teaching**

Teaching in Pakistan Institute of Development Economics as Assistant Professor (Econometrics) since September 2015.

Four year experience of teaching as Assistant Professor, International Institute of Islamic Economics, International Islamic University, Islamabad

Experience of teaching as visiting Assistant Professor/ visiting Lecturer at different universities including Federal Urdu university, Azad Jammu and Kashmir University, Hamdard University, University of Gujrat and International Islamic University, Islamabad.

Teaching assignments include teaching Applied Econometrics, Time Series Econometrics, Statistics and Mathematics to different levels including BS, MS and PhD.

### **Research**

Area of Interest: Primarily trained in Econometrics, I have an experience of utilizing quantitative research skills in a variety of economics related disciplines including Econometrics, Monetary Economics, Development studies and

Islamic Banking and Finance.

Journal Publications	15 publications in refereed academic journals
Conference presentations	Having experience of presentation in several international events including meeting of Econometric Society, Conferences of Islamic Development Bank, Conference of Pakistan Society of Development Economists and Conferences of Pakistan Strategy Support Program
Research Supervision	Worked as an active member of supervisory team (supervisor/co-supervisor) of more than 30 MS theses at International Islamic University, Islamabad. The area these research theses include Econometrics, Economics and Monetary Economics, Development Studies and Islamic Banking and Finance. As a member of supervisory team, my primary roll has to assist students in quantitative research and analytical skills.
Research Grants and projects	I have been able to win three competitive research grants, two from HEC and one from Pakistan Strategy Support Program (PSSP), a joint venture of Planning Commission of Pakistan and USAID. In addition to that, I have found opportunity to work on several research projects with reputed international organizations e.g. World Wildlife Fund (WWF) and Center for Peace Development and Reforms (CPDR). Several research ideas are ready for submission to the competitive research programs.
Training Workshops	Served as a resource person and organizers in several econometrics training workshop related to held at PIDE and IIU. Served as resource person in Editors training workshop organized by Higher Education Commission of Pakistan.

## **Other Academic Activities**

I had opportunity to assist my mentor and supervisor Dr. Asad Zaman in designing the syllabus, teaching and research supervision for MS Econometrics program at the IIIE, IIU.

I have been a member of admission committee, member of exam committee at IIIE and examiner in several MS theses presented at IIIE, IIU, and PIDE.

I am members of HEC special consultative groups on social science and HEC committee to evaluate plagiarism cases

## DETAILED CV

### Education

PhD Econometrics (2011)

International Islamic University, Islamabad

Thesis Title: 'Model Specification and Unit Roots'

Supervisor: Prof. Asad Zaman, Vice Chancellor, PIDE

M.Sc. Mathematics (2003)

University of Azad Jammu and Kashmir

B.Sc. Math/Physics (1999)

University of Azad Jammu and Kashmir

### Teaching Assignments

I have taught courses related to Econometrics, Mathematics and Statistics at different reputed universities. A short account of my teaching activities is described in table below:

Institute	Designation	Tenure	Graduate Courses	Undergraduate courses
Department of Econometrics and Statistics, PIDE	Assistant Professor	Sep 2015 to date	<ul style="list-style-type: none"><li>Applied Econometrics</li><li>Econometric Methods</li></ul>	<ul style="list-style-type: none"><li>Statistics</li></ul>
International Institute of Islamic Economics, IIU, Islamabad	Assistant Professor	2011-2015	<ul style="list-style-type: none"><li>Applied Econometrics</li><li>Bayesian Econometrics</li><li>Time Series</li></ul>	<ul style="list-style-type: none"><li>Basic Econometrics</li><li>Statistics</li><li>Mathematics</li></ul>
	Visiting Lecturer		<ul style="list-style-type: none"><li>Multivariate Analysis</li><li>Statistical Research Methods</li><li>Econometric Theory</li></ul>	<ul style="list-style-type: none"><li>Computing Packages for Economists</li></ul>
Department of Economics, University of Gujrat	Visiting Assistant Professor	2014-2015	<ul style="list-style-type: none"><li>Applied Econometrics,</li><li>Advanced Econometrics</li></ul>	
Kashmir Institute of	Visiting	2008-		<ul style="list-style-type: none"><li>Basic Econometrics</li></ul>

Economics, Azad Jammu and Kashmir University	Assistant Professor	2009	<ul style="list-style-type: none"> <li>▪ Statistics</li> <li>▪ Mathematical Economics</li> </ul>
PARC Institute of Higher Studies in Agriculture	Visiting Assistant Professor	2010	<ul style="list-style-type: none"> <li>▪ Applied Econometrics</li> </ul>
Federal Urdu University of Arts Science & Technology,	Visiting Assistant Professor	2011	<ul style="list-style-type: none"> <li>▪ Applied Econometrics</li> </ul>
Department of Management Sciences, Hamdard University		2013	<ul style="list-style-type: none"> <li>▪ Applied Econometrics, Research Methods</li> </ul>

## Research Activities

### PhD Thesis

'Model Specification and Unit Roots', completed and under supervision of Prof. Dr. Asad Zaman, Vice Chancellor Pakistan Institute of Development Economics and Ex. Director General, IIIE, International Islamic University, Islamabad

### Published Articles

1. 2017, Anjum Siddiqui and Atiq-ur-Rehman, The human capital and economic growth nexus, in East and South Asia, *Applied Economics*, Vol 49, issue 28
2. 2016, M. Abubakar Siddique, M. Khaleequzzaman and Atiq-ur-Rehman Determinants of Islamic Banking Industry's Profitability in Pakistan, *Journal of Islamic Business and Management*, Vol. 6 issue 1.
3. 2016, Saif ur Rehman, Zafar Mahmood and Atiq-ur-Rehman, Unexplored Export Potential of Medical, Surgical and Veterinary Instruments of Pakistan: A Comparative Econometric Analysis, *Journal of Business & Economics*, Vol.6 No.2

4. 2015, Uzma Iqbal, Zafar Mahmood, and Atiq-ur-Rehman. 'Factors transforming high-tech exports from OICs. *Journal of Business & Economics*, 7(2), 171-191.
5. 2015, Aboubakar Ghafari and Atiq-ur-Rehman, Failure of Interest Based Monetary Policy: Evidences from Selected Islamic and Non- Islamic Countries, *Pakistan Business Review*, Vol 17 issue 4.
6. 2015, Hamid Hassan, Atiq-ur-Rehman and Ishaq Bhatti, New approach to an old issue related to ordered-choice endogenous models, *Quality and Quantity*, Vol 50, Issue 5
7. 2015, Muhammad Irfan Malik and Atiq-ur-Rehman, Choice of Spectral Density Estimator in Ng-Perron Test: A Comparative Analysis, *International Econometric Review*, Vol 7. Issue 2
8. 2014, Atiq-ur-Rehman. Revival of Legacy of Tooke and Gibson: Implications for Monetary Policy. *Journal of Central Banking Theory and Practice* 4.2 (2015): 37-58.
9. Aboubakar Ghafari, Atiq-ur-Rehman and Malik Muhammad (2014), Interest Rate and Inflation, Case of Pakistan, *Pakistan Business Review*, vol 16, issue 3
10. Atiq-ur-Rehman and Irfan Malik (2014), Modified R, a Robust Measure of Association for Time Series, *Electronic Journal of Applied Statistical Analysis*, vol 7, issue 1, University of Salento, Lecce, Italy
11. Atiq-ur-Rehman (2014) Relationship between Energy Prices, Monetary Policy and Inflation; A Case Study of South Asian Economies, *Journal of Central Banking Theory and Practice*, vol 3, issue 1, Central Bank of Montenegro
12. Atiq-ur-Rehman, Iftikhar Adil and Hafsa Anis (2012), Exchange Rate, J-curve and Debt Burden, Case of Pakistan, (with Iftikhar Adil and Hafsa Anis), *Pakistan Economic and Social Review*, Vol. 50 No. 1

13. Atiq-ur-Rehman (2014), Impact of Model Specification Decisions on Performance of Unit Root Tests, *International Econometric Reviews*, Vol. 3 issue 1
14. Atiq-ur-Rehman, Saud Ahmed Khan and Hafsa Anis (2009), 'Skill Shortage versus Subject Choice, Case of Pakistan', *Pakistan Development Review*, Vol. 48 No 4.
15. Atiq-ur-Rehman and Asad Zaman and Tanweer-ul-Islam (2008), 'Model Specification, Observational Equivalence and Performance of Unit Root Tests' (with), *NUST Journal of Business & Economics*,

#### International Conference Presentations

1. 2016, Monetary Policy in Presence of Cost Side Effects, Conference on Macro Models for Policy, jointly organized by Pakistan Institute of Development Economics and National Institute of Banking and Finance, Islamabad, October 22, 2016
2. 2016, Remittances for Growth; Strategy to Utilize Worker Remittances for Development and Employment, 1st International Research Conference on Economics Business and Social Sciences, Bahaudeen Zakria University, Multan, April 12-13, 2016
3. 2016, Constructing Islamic Development Index from Existing Development Data, Presented at Islamic Finance, Banking & Business Ethics Global Conference 2016, LUMS, Lahore, March 26-27, 2016
4. 2014, Eradicating Poverty through Salam Finance, Strategy for Poverty Reduction in Rural Pakistan, Presented at International workshop on Business Models in Islamic Micro finance, Held at International Islamic University, Islamabad.
5. 2012, 5th International Conference on Islamic Economics, Banking and Finance, co-organized by Islamic Research and Training Institute and Central

- Bank of Jordan, Amman, Jordan. Topic: Failure of Interest Based Monetary Policy
6. 2011, 8th International Conference on Islamic Economics and Finance, Organized by Islamic Development Bank and University of Qatar, Doha, Qatar, Topic: Monetary Economics for the Stakeholders; a Second Look on Causes of Inflation and Monetary Underpinnings
  7. 2010, 25th Annual General Meeting of PSDE, Topic: Skill Shortage versus Subject Choice, Case of Pakistan
  8. 2008, Far Eastern Meeting of Econometric Society (FEMES) held in Singapore, Topic: Model Specification, Observational Equivalence and Performance of Unit Root Tests
  9. 2008, International Educational Conference on Sustainability in Higher Education, Khon Kaen, Thailand, Topic 'Student's Ranking Based on their Abilities in Objective Type Test; Comparison of CTT and IRT'

#### Thesis Supervision

##### a. Completed

1. Uzma Iqbal, Determinants of High-tech exports, Case of OIC countries, PhD Economics thesis, Federal Urdu University, submitted for foreign evaluation
2. Unexplored Export Potential of Medical and Surgical Goods of Pakistan to selected countries, PhD Economics thesis, Federal Urdu University, defended, March 2017
3. Asad-ul-Islam Khan, Theoretical and Empirical Comparisons of Co-integration Tests, PhD Econometrics thesis, International Islamic University, sent for foreign evaluation
4. Sardar Tahir Yousaf, Impact of Monetary Policy on Socioeconomic Indicators, Case Study of Developing Asian Economies, MS Economics thesis, Foundation University, Islamabad
5. Ansar Abbas, Comparison of Tests of Association for Categorical Data, MS Econometrics thesis, PIDE, Islamabad

6. Fakhar-e-alim, Monte Carlo comparison of non-nested hypothesis tests, MS Econometrics thesis, PIDE, Islamabad
7. Rifat Mehboob, Determinants of Exports in South Asian Countries, MS Econometrics thesis, PIDE, Islamabad
8. Zubair ul Haque, Graduates of Religious Institutions and their Knowledge about Islamic banking, Business and Financing Techniques, MS Islamic Banking and Finance thesis, Submitted for viva voce exam
9. Hafeezullah, Impact of Changes in Macroeconomic Factors on the Performance of Conventional and Islamic Banks, MS Islamic Banking and Finance thesis, IIU, December, 2016
10. Anika Abdul, Comparative Risk and Return Analysis of Islamic and Conventional non-Financial Firms, MS Economic thesis, IIU, November, 2016
11. Naeema Gul, Stock Prices and Trading Volume Relationship in Pakistan, MS Economic thesis, IIU, October, 2016
12. Irum Bhatti, Income Diversification and Profitability of Banks: Comparative Analysis of Islamic and conventional Banks, MS Economic thesis, IIU, November, 2016
13. Hashmatullah, Factor Influencing the choice between Islamic and Conventional Bank Accounts: Evidences from Afghanistan, MS Islamic Banking and Finance thesis IIU, June, 2016
14. Ghulam Fatima, Assessing Feasibility of Renewable Biomass Resources and Their Contribution to Economic Growth, submitted for evaluation
15. Rahila Tariq, Beyond GDP; Nation's Economic Performance Adjusted for Home Production, Resource Depletion and External Debt, MS Economics and Finance thesis, IIU, December, 2015
16. Madiha Zehra, Modeling the Determinants of Exchange Rate: A Case Study of South Asian Countries" MS Economics thesis, IIU, November, 2015
17. Zahid Ajmal, Socio-Economic Impacts of Domestic Biogas Plants on Rural Households: A Case Study of District Muzaffargarh, MS Rural Development, IIU, November, 2015



18. Muhammad Farooq Haider, Evaluation of Sericulture Industry in Pakistan; Obstacles, Progress and Way Forward, MS Rural Development thesis, October, 2015
19. Sehrish Tabassum, Relationship between Real and Financial Sector Growth: Comparative Analysis of OECD and SAARC countries, MS Economics thesis, Completed, October, 2015.
20. Muhammad Bilal, Impact of Microfinance on Conservation and Living Standard, A study of Chitral Gol National Park, MS Rural Development, Completed, October, 2015
21. Sher Afzal, Determinants of Gender Inequality in Education: A Case Study of District Swabi KPK, Completed, October, 2015
22. Jehanzeb Waqas, Impact of Microfinance on Household Living Standard, a Comparison of Interest Based and Interest free Microfinancing, MS Rural Development thesis, July 2015
23. Zulqarnain Hyder, Consumption Pattern of Foreign Remittance and Measures for their Effective Utilization, MS Economics, Completed on January, 2015
24. Muhammad Jamil, Exploring Feasibility of Salam Finance, a Survey of opinions of Stake Holders, MS Islamic Banking and Finance, completed on September 2014
25. Ali Raza, Boot Strap Skewness versus Classical Tests of Skewness, MS Econometrics, completed on June, 2014
26. Muhammad Aboubakar Siddique, Exploring Determinants of Islamic Banking Industry Growth, MS Islamic Banking and Finance, completed on January 2014
27. Umer Khan, Socioeconomic Impact and Project Sustainability Analysis of Community Based Organization in Konsh Valley Mansehra, MS Rural Development, completed on January, 2014
28. Muhammad Imran, Calculating Net gains of Exchange Rate Fluctuations, MS Economics and Finance, completed on January, 2014
29. Hamid-ud-Din, Relationship Between Price Indices and Implications for Socio Economic Indicators, MS Economics, completed on December, 2013

30. Abdul Waheed, Tests of Cointegration, a Real Data Based Comparison, MS Econometrics, completed on December, 2013
31. Arshad Sakhani, Impact of Family Health Program on Health Outcomes, MS Rural Development, completed on August, 2013
32. Abou-Bakar Ghifari, Interest Rate and Inflation, Relationship Revisited, MS Economics, completed on September, 2013
33. Humaira Abroo, Customer Opinion Judgment on Islamic Banking Practices, MS Islamic Banking and Finance, completed on September, 2103
34. Abrar Munir Chughtai, Impact of Migration on Household Living Standards, MS Rural Development, completed on May, 2013
35. Rabia Butt, Impact of Foreign Aid on Fiscal Behavior of Government of Pakistan, MS Economics, completed on January, 2013
36. Nadeem Raza, Determinants of Domestic Investments, Case Study of Middle Income Asian Countries, MS Economics, completed on July, 2012
37. Gaffar Shah, Getting Results That You Want From Unit Root Tests, MS Econometrics, completed on January, 2012

b. In Progress

38. Waqar Muhammad Khan, Assessing Independence and Causality in Time Series, PhD Econometrics thesis, PhD Econometrics (proposal presented on October, 2014)
39. Zainab Rehim, Forecast Comparison of Bayesian and Classical Estimation Procedures, MS Econometric thesis
40. Usama Sattar, Non-parametric regression estimators, , MS Econometric thesis
41. Sajawal Gulzar, Weighted Average Least Square' , MS Econometric thesis

Funded Research Projects

I have keen interest in highly applied innovative ideas and have developed research project with high applied outcomes and innovative themes. Some of them are described below:

#### Skill Mismatch Project:

This project was aimed to estimate the mismatch between demand and supply of graduates in various subjects/professions. We often see that many well qualified graduates fail to get a good job, whereas in some professions, the skills are very rare and the employers find it difficult to fill the vacancies. This is because there is mismatch between demand and supply of skills in various professions. Therefore this project was designed to estimate the indicators of skill mismatch in different professions.

This project won two competitive research grants. One grant was awarded for survey in Rawalpindi and Islamabad via Pakistan Strategy Support Program financed, a joint venture of Planning commission, USAID and IFPRI. The other grant was awarded by HEC through Nation Research Program for Universities (NRPU) for survey in four provincial capitals. Under these two projects, data from more than 700 employment units and about 10,000 respondents has been collected from provincial capitals and Rawalpindi/Islamabad.

#### Exploring Reasons for Failure of Industries in Azad Kashmir

Kashmir has very rich heritage in traditional industries. Now a day, Azad Kashmir produces raw material for number of industries however the industrialization could not be successful in Azad Kashmir and only 0.1% labor force could jobs in industrial sector. Many industries in Mirpur and Muzaffarabad were shut down during last decade. This project was aimed to find the reason for failure of industries in Azad Kashmir.

This project was submitted to HEC and HEC has formally accepted the grant for this project, however the fund could not be released so far for execution of the project.

#### Employment Literacy and Lifeskills Survey

The choice of subject is one of most important decisions in a student's life since his future employability and lifestyle depends on the subject choice. The job opportunities vary with different choices of subjects. This project is

aimed to calculate subject-specific unemployment rates through a household survey so that the gap between supply and demand of students in different subjects could be estimated. This project also aims to collect data on the subject choices of pre-graduate students so that future supply of graduates in different subjects could be estimated. This project is an extension of Skill Mismatch project, to take into account the jobless people, students and overseas workers.

This project was submitted to PSSP who shortlisted the project in the first round of selection. However, the project could not be selected in the second round.

Besides these projects, with the help of my students, I have written a number of other research projects which are at different phases of their development. In the second call for competitive research proposals of Pakistan Strategy Support Program, I have submitted five research projects of which four were shortlisted in the first round of selection. The selection rate for this round was 25%. One of these four proposals was ultimately approved (skill mismatch project). For the third call for proposal of PSSP, I have submitted three projects, out of which two projects were shortlisted in first round.

## Professional Activities

- Member, Editorial Review Board, Amity Journal of Economics, Amity University, Noida India
- Academic Reviewer for Journal of Philanthropy (JoPH), Islamic Economics Studies and Thoughts Centre (IESTC)
- Member, Expert Committee to evaluate plagiarism complaints, Higher Education Commission, Pakistan

## Training Conducted

- Organizer/Resource Person: How to Teach Elementary Descriptive Statistics, HEC workshop for teachers of statistics, PIDE, Islamabad, August, 2016
- Organizer/Resource Person: Quantitative Methods for Social Science, 6 days Training Workshop, IIU, 2011
- Organizer/Resource Person: Quantitative Methods for Social Science, 6 days Training Workshop, IIU, 2012
- Organizer/Resource Person: Quantitative Methods for Social Science, 7 days Training Workshop, IIU, 2013
- Organizer and/or Resource Person of Weekly Training Workshops at IIIE, IIU, during 2012

## Computer Skills

Excellent MATLAB Programming skills for simulation and Monte Carlo experiments

Excellent skills in using MS Excel as a tool of statistical analysis

Excellent Skills in using SPSS, E-views, PcGive and OxMetrics and Very Good Skills in using Stata for primary data

## Communication Skills

Fluent: Urdu, English

Good: Arabic

## Reference

Prof. Dr. Asad Zaman, Vice Chancellor, Pakistan Institute of Development Economics,  
E-mail: [asadzaman@alum.mit.edu](mailto:asadzaman@alum.mit.edu)