

Amjad Iqbal

PERSONAL INFORMATION

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Date of Birth: 13 June 1988
Present Address: House No. 22, Street No. 2, 1st Floor,
Sector G-15/1, Khayaban-E-Kashmir,
Islamabad



SUMMARY

Possess more than Eleven years of highly technical skills in Data Processing, Data Analysis, Data Visualization, and Georeferencing using statistical tools like STATA, SPSS, Python, Tableau, Power BI, R, QGIS, and Development of Data Entry Software using CPro, etc.

I have participated in several surveys and analytical and report-writing teams of national and international evaluative studies.

AREA OF SPECIALISATION

STATA, SPSS, Python, Tableau, Power BI, R, QGIS, CPro, Data Analysis and Processing, Statistical analysis, Data Visualization, Machine Learning, Deep Learning, Data Science, Image Processing, and Sentiment analysis.

ACADEMIC QUALIFICATION

In Progress	Ph.D. (Computer Science) University of Engineering and Technology, Taxila
2017-2020	MS / M.Phil. Computer Science with specialization in Machine Learning HITEC University, Taxila
2011-2014	M.I.T (Master of Information Technology) Virtual University of Pakistan
2007-2010	B. A (Journalism, Sociology) Baha Uddin Zikariya University, Multan
2008-2009	Dispenser Punjab Medical Faculty, Lahore
2004-2005	I.C.S (General Science) B.I.S.E. Multan
2002-2003	Matric (Science Group) B.I.S.E. Multan

PROFESSIONAL EXPERIENCE

	Data Processing Manager , National Institute of Population Studies (NIPS) Islamabad
Mar 2023- Present	Developed data entry software and database, debugging and troubleshooting, Supervised data entry process, cleaning, and coding. Data analysis, Tabulations, advanced descriptive analysis for report writing, Data Visualization, and Capacity building of the data collection team.
	Data Processing Expert/Data Analyst , Innovative Development Strategies (Pvt.) Ltd. Islamabad
July 2018- Feb 2023	Database development, debugging and troubleshooting, Data analysis, Tabulations, advanced descriptive analysis, Data Visualization, Advanced mapping in Google Earth and QGIS, and Capacity building of the data collection team.
	MIS Expert , Innovative Development Strategies (Pvt.) Ltd.
Jan 2016-June 2018	Responsible for organizing Data Analysis and Processing, Statistical Analyst, Training for field enumeration, and various other partner Organizations

Aug 2012-Dec 2015 Assistant MIS, Innovative Development Strategies (Pvt.) Ltd.

Mar 2011 –July 2012 Dispenser/Medical Technician: DEEN TRUST HOSPITAL Chichawatni

SEMINARS & WORKSHOPS

- Participated in the Workshop on “Data Handling and Document Formatting through R-Programming and LaTeX” From April 26-29, 2023, by NIPS.
- Participated in the Training on “Poverty Mapping” From May 26-30, 2014, by PSSP.
- Participated in the Training and Workshop on “GIS” From December 18-21, 2012, by IFPRI

PROFESSIONAL AFFILIATION

- District Member Youth Senate of Pakistan from 2011-2015

AREA OF INTERESTS

- Artificial Intelligence, Machine Learning and Deep Learning, Data Science, Image Processing, Programming, Statistical Analyst, Sentiment Analyst,

JOB RESPONSIBILITIES

- Data Coding/ Cleaning and preparing tabulation plan and running Descriptive tables, fact sheets, and graphs for report writing.
- Developed data entry software, managed data processing and management applications, and installed a complete computer connectivity/ synchronization network system.
- Compare the soft data, generate the error lists, and incorporate corrections in the database with the consultation of the Core Team Member.
- Prepare field check tables (FCTs) with the consultation of Core Team Member Researchers, IT Staff, and Senior Staff of the survey.
- Maintenance of existing MIS databases
- Provide regular reports on the status of databases and surveys.
- Maintenance of questionnaire registry and inventory
- Assist in the designing of questionnaires.
- Handle and supervise the data entry process and other clerical work essential for the completion of any project.
- Capacity Building of Data collection Teams.
- Imparting training to Data Entry Operators.
- Contact the Office Editor to check the daily progress report on editing.
- Handling of IT-related operations.
- Perform any other activity/ task as assigned by the higher authority.

WORKING PROJECTS

National Survey on The Extent, Patterns, and Trends of Drug Use in Pakistan 2022-23

Coverage: 131 districts

March 2023- Ongoing

National Institute of Population Studies (NIPS)/UNODC

Operations Review of the National Socio-Economic Registry (NSER) Update

Coverage: 156 districts

June 2018- Ongoing

Benazir Income Support Program (BISP)

Verification Study of Waseela-e-Rozgar Liabilities

Coverage: 77 districts

November 2019- Dec 2021

Benazir Income Support Program (BISP)

Operational Review of the Waseela-e-Taaleem Program

Coverage: 13 districts

April 2013- June 2017

Benazir Income Support Program (BISP)

Multi-topic Targeting Performance Survey

Coverage: 4 districts

Mar 2017-Jun 2017

The World Bank

Youth Workforce Development Project (YWFD) Evaluation

Coverage: 1 district

Aug 2016-Oct 2016

U.S. Agency for International Development/Management Systems International (USAID/MSI)

Humqadam School Construction & Rehabilitation Programme: Baseline Assessment

Coverage: 7 districts <i>IMC Worldwide</i>	Apr 2016-Jul 2016
Monitoring of the National Household Survey of Social Protection and Cohesion in Pakistan Coverage: 90 clusters <i>The World Bank</i>	Nov 2015-Mar2016
Punjab Skills Development Fund Furniture Manufacturing Sector Skill Study Coverage: 4 districts <i>Punjab Skill Development Fund (PSDF)</i>	Apr 2015-May2016
SCRIP Baseline Survey of 700 Schools Coverage: 4 districts <i>IMC Worldwide</i>	Aug 2015-Oct 2015
The Agriculture Drip Irrigation Discrete Choice Experiment Survey Coverage 4 districts <i>International Food Policy Research Institute (IFPRI)</i>	Jan 2015-Jun 2015
Pakistan Household Skills Measurement Survey (Panel) Coverage: 17 districts <i>The World Bank</i>	Apr 2012-Aug 2015
Pakistan Cotton Survey Coverage: 29 districts <i>International Food Policy Research Institute (IFPRI)</i>	2013-2015
Performance Evaluation and Impact Assessment of USAID Entrepreneurs Project Coverage: 26 districts <i>U.S. Agency for International Development/ Mennonite Economic Development Associates (USAID/MEDA)</i>	Oct 2013-May 2014
Exit Survey Waseela-e-Rozgar Coverage: 29 districts <i>The World Bank</i>	Jun2013-Sep2013
Pakistan Rural Household Tracking Survey (panel) Coverage: 19 districts <i>International Food Policy Research Institute (IFPRI)</i>	Mar 2012-Jul 2015
Pakistan Rural Household Survey (panel) Coverage: 4 Original districts and 56 Migrant districts (Punjab, KPK, Sindh) <i>International Food Policy Research Institute (IFPRI/PSSP/USAID)</i>	Mar 2012-Jul 2015
Baseline of USAID Entrepreneurs Project Coverage: 26 districts <i>U.S. Agency for International Development/ Mennonite Economic Development Associates (USAID/MEDA)</i>	Sep 2012 Feb 2013
Third-Party Evaluation of Citizen Damage Compensation Programme Coverage: 80 districts <i>Assessment and Strengthening Program - Rural Support Programmes Network (RSPN)</i>	Jun 2012-Nov 2012
Spot Check of the (Scorecard-Based) Benazir Income Support Program (National Roll-Out) Coverage: 39 districts <i>Benazir Income Support Program (BISP)</i>	Nov 2010-Oct 2012

PUBLICATIONS

1. **Iqbal Amjad**, Amin R. Time Series Forecasting and Anomaly Detection Using Deep Learning. Computers & Chemical Engineering. 2023:108560.. **ISI IF= 4.3**
2. **Amjad Iqbal**, R. Amin, J. Iqbal, R. Alroobaea, A. Binmahfoudh, and M. Hussain, "Sentiment Analysis of Consumer Reviews Using Deep Learning," vol. 14, p. 10844, 2022. <https://doi.org/10.3390/su141710844> **ISI IF= 3.889**
3. S. H. Shah, M. J. Iqbal, M. Bakhsh, and **Amjad Iqbal**, "Analysis of Different Clustering Algorithms for Accurate Knowledge Extraction from Popular DataSets," vol. 31, no. 1, pp. 21–31, 2020. **ISI IF= 2.0**

References: -

Available upon request.