MUHAMMAD FAIZAN IMRAN

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EDUCATION

The University of Chicago   Chicago, IL
M.S., Computational Analysis and Public Policy   June 2027 (Expected)
Coursework: CS with Applications, Advanced Statistics for Data Analysis

Lahore School of Economics   Lahore, Pakistan
B.Sc., Economics and Political Science   May 2022
Coursework: Econometrics, Time Series Analysis

SKILLS

Technical Languages: Python, R, git, Stata, HTML
Libraries/Frameworks: Pandas, Polars, NumPy, re, Tidyverse, HTTPX, Altair, Shapely, Jellyfish
Software: ArcGIS/QGIS, Microsoft Suite, SurveyCTO
Certificates: MITx Micromasters in Data, Economics and Design of Policy

PROFESSIONAL EXPERIENCE

Division of the Social Sciences - The University of Chicago   Chicago, IL
Research Assistant   January 2026 – Present
- Employ differences in differences and event study methods to understand how economics elites use offshore banking to protect their wealth when populist or leftist politicians are elected to office
- Use R to clean, synthesize and analyze the election and inauguration datasets of 3000+ rows and determined the exact timings of elections and inaugurations for over 180 countries from 1990-2020

Centre for Economic Research in Pakistan (CERP)   Lahore, Pakistan
Research Associate   October 2024 – August 2025
- Implemented a staggered differences in differences experiment to gauge benefits and negative implications of a land reform in Punjab meant to empower women
- Coordinated design and implementation of a large-scale randomized control trial (RCT) aimed at assisting Community Health Workers in giving concise advice about breastfeeding to improve maternal and child health outcomes in 3 rural districts of Punjab
- Built data pipelines using Python to monitor progress, spot anomalies, and enhance data reliability for a team of 13 people
- Managed field operations and quality checks for large surveys (N = 10,000); trained and supported teams of 50 enumerators

Mahbub ul Haq Research Centre at LUMS   Lahore, Pakistan
Senior Research Assistant   December 2022 - September 2024
- Worked with Lahore's property cadaster consisting of over 1 million properties and primary survey data to train a random forest machine learning algorithm to predict property values
- Led the implementation of an RCT involving 7,500 property owners in Lahore; spearheaded the [project's fieldwork](#) by supervising enumerators and conducting 50 pilot surveys to inform the design of the questionnaire
- Built data pipelines for processing primary survey data from over 8,000 survey respondents; designed 3 different survey instruments using SurveyCTO
- Used ggplot2 in R to visualize findings from the project for government stakeholders

PROJECTS

Chi-Ed   January 2026 – Present
- Use Chicago Public School (CPS) API and Illinois report card datasets to to build a dashboard mapping high school outcomes for 150+ schools across Chicago using the dash library in Python
- Set up data cleaning and merging pipeline in Python using polars to clean and merge Json API data with Illinois State Board of Education (ISBE) dataset on individual school report cards