

IMAN BASIT

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PROFESSIONAL SUMMARY

Policy and data analyst with four years of experience supporting government agencies with qualitative and quantitative evidence to address complex public sector challenges in health and education.

EDUCATION

Rutgers University, Bloustein School of Planning and Public Policy **New Brunswick, NJ**
Dual Master of Public Policy and Public Informatics (GPA 4.0) **2025**

- Honors & Awards: Edward J. Bloustein Outstanding Student Award (2025), 100% Merit Scholarship, Pi Alpha Alpha (Global Honor Society for Public Affairs), Princeton Policy Hakathon 2024 Winner (1st among 30 teams)
- Relevant Courses: Quantitative & Qualitative Research Methods, Program Evaluation, Data Science for AI, Machine Learning, Artificial Intelligence, Data Visualization, Geographic Information Systems (GIS), Data Analytics for Healthcare, U.S. Education Policy & Social Analysis, Health Policy, Non-Profit Leadership

Lahore University of Management Sciences (LUMS) **Islamabad, Pakistan**
Bachelor of Science in Economics and Political Science (GPA 3.84) **2020**

PROFESSIONAL EXPERIENCE

John J. Heldrich Center for Workforce Development, Rutgers University **New Brunswick, NJ**
Graduate Research Assistant **2023 – Present**

- Structured 1M+ statewide education and workforce records into relational SQL tables and built Python workflows to calculate ROI of postsecondary degrees. Findings informed New Jersey's 2025 Higher Education State Plan and \$1B+ in funding allocations.
- Engineered and validated 5M+ multi-agency education and workforce records in R and SQL, then built a public Higher Education Outcomes Dashboard in Tableau, accessed by 20K+ users annually to guide postsecondary decision-making.
- Built cohort funnels for 174K+ New Jersey high school graduates using seven 7 of New Jersey Statewide Data System (NJSDS) data to track transitions from K–12 through college to workforce, identifying attrition points and outcome gaps. Findings informed the New Jersey Department of Labor's workforce forecasting and supported expansion of tuition-free college programs reaching 35,000 students annually.
- Trained a supervised machine learning model (Gradient Boosted Trees) on 2M+ records from NJSDS to impute missing values, reducing missing data from 20% to under 5% and improving the reliability of large-scale analytics.

Office of the State Superintendent of Education (OSSE), **Washington, DC**
Strategy & Data Fellow , Education Pioneers Summer Fellowship **June 2025 – August 2025**

- Conducted a 50-state benchmarking analysis, 200+ study literature review, and survey of 54 cross-functional stakeholders to build DC's first evidence base on kindergarten readiness, to guide OSSE leadership's decision to implement a statewide kindergarten readiness assessment (KRA) across 250+ schools.
- Conducted 15 stakeholder interviews and facilitated a multi-stakeholder advisory committee with public schools, charters, community organizations, and families to identify implementation challenges and secure consensus for statewide KRA design and implementation.
- Authored and presented an executive strategy report and options memo to OSSE leadership that informed DC's *Start Early Birth-to-8* vision, part of DC's \$220M+ early learning portfolio.

Goals of Care Coalition of New Jersey (GOCCNJ) **New Brunswick, NJ**
Research Consultant, Palliative Care Program **January 2025 – May 2025**

- Conducted 50 patient and caregiver interviews, coded transcripts in NVivo, and performed qualitative thematic analysis to inform the design of New Jersey Medicaid's 2026 Palliative Care Program.

- Built and validated an XGBoost predictive model on NJ Cancer Institute data to predict 90-day mortality and hospitalization risk, to be used to guide patient referrals for New Jersey Medicaid's 2026 Palliative Care Program.

New Jersey Department of Labor & Workforce Development

Trenton, NJ

Policy Analyst

June 2024 – December 2024

- Developed and deployed a compliance tracking platform using Microsoft Power Apps for the interface and Django/PostgreSQL for the backend system. The platform centralized document submissions and automated deadline tracking for 18 regional workforce offices, reducing manual follow-ups by 54.6% and increasing on-time compliance submissions by 72.5%.
- Built a Power BI dashboard to monitor performance outcomes using 20 years of workforce program data, after standardizing the data in Python. The dashboard improved the identification of underperforming programs by 86% and guided multi-million-dollar state workforce development investment decisions.
- Developed an end-to-end pre-apprenticeship program for arts majors that secured a \$2M GAINS grant and was piloted across 12 public high schools in New Jersey, with plans for scale-up.

Lahore University of Management Sciences (LUMS)

Lahore, Pakistan

Research Project Manager, Disability & Education Project

June 2022 – August 2023

- Secured \$10K grant and led a qualitative study across 20 special needs schools, conducting 100+ interviews and analyzing data in NVivo. Presented findings to the Ministry of Special Education and at the UK Education and Development Forum (2023).
- Built a geospatial special education needs index and interactive Power BI dashboard for 500+ schools, using Education Management Information System (EMIS) and field-survey data to generate a map-based priority list that reduced resource misallocation and wastage by 45%.
- Consolidated education and immunization data in BigQuery to examine dual exclusion among 50K+ children with disabilities, informing resource allocation across 12 districts under the Polio Eradication Initiative.

Teach For Pakistan (Teach For ALL network partner)

Islamabad, Pakistan

Fellow

June 2020 – May 2022

- Taught 120+ students in an under-resourced public school and introduced a community peer learning program that raised literacy proficiency from 40% to 80%.
- Designed the framework for the Federal Capital's COVID distance learning policy and ban on corporal punishment policy, reaching 240K students across 400+ schools.
- Organized COVID-19 vaccination awareness campaigns and mobile health clinics in partnership with the Ministry of Health, raising vaccination rates in the community by 40%.
- Implemented a 4-week randomized A/B trial comparing after-school study circles led by peers (A) with solo homework (B) which increased the homework completion rate by 16%.
- Recognized by Teach For All as valedictorian of a 100-fellow cohort.

SKILLS

Programming & Data Tools: Python (Pandas, NumPy, scikit-learn, XGBoost, TensorFlow, PyTorch, statsmodels, Prophet), R (tidyverse, caret, randomForest, forecast, fable), SQL, Google BigQuery, SAS, Stata, SPSS

Analytics & Visualization: Power BI, Tableau, ArcGIS, Google Analytics, Adobe Analytics, A/B Testing

Qualitative & Mixed-Methods Tools: NVivo, ATLAS.ti

Workflow & Productivity: Microsoft Office Suite, Google Workspace, Jira, Trello, Agile/Scrum

PUBLICATION

Basit, I., Hughes, T., King, A., Luca, C., Mirabelli, R., Montuoro, A., Smith, A., & Habib, M. H. (2025).

Understanding awareness and perceptions of palliative care: A qualitative study of cancer patients and caregivers in New Jersey. Rutgers University.

Conde Oviedo, M. B., Khudododov, K., Basit, I., & Bacani, K. J. (2025, March). *Educational and employment outcomes for the New Jersey high school classes of 2014 and 2015.* Heldrich Center for Workforce Development.