

Purushottam Mohanty

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Education

Masters in Analysis and Policy in Economics (APE), Paris School of Economics France, 2018-20

GPA: 14.16/20 (FR) 3.8 (US)

Relevant Courses: Applied Econometrics, Advanced Micro-econometrics, Impact Evaluation, International Trade, Trade Policy, Industrial Organisation, Machine Learning for Economics

Thesis: *Exporter Re-entry and Trade Liberalization: Evidence from Mexico*. Grade: (15/20) Distinction

BA (Hons.) Economics, University of Delhi India, 2015-18

GPA: 7.78/10 (IN) 3.9 (US) (Top 5% of class)

Relevant Courses: Linear Algebra, Calculus, Microeconomics, Macroeconomics, Econometrics

Awards/Scholarships

Charpak Excellence Masters Scholarship 2018

Full scholarship awarded by Campus France, Government of France.

Eiffel Masters Scholarship [Refused] 2018

Full scholarship awarded by Campus France, Government of France.

Technical Skills

Stata (Proficient): Big data cleaning and management, regression, graphical and spatial analysis, matching methods, automated tables and reports

R (Proficient): Regression analysis, big data cleaning and management, spatial analysis (maps), data visualization, web-scraping, user-written functions, machine learning, AWS Server

Python (Proficient): Data cleaning and management, web scraping, user-written functions, language translation

Other Tools: \LaTeX , RMarkdown, Git, AWS S3, AWS EC2, AWS CLI

Experience

Senior Data Associate, Good Business Lab (GBL) India, 2020-present

Working with Prof. Achyuta Adhvaryu (University of Michigan), Prof. Anant Nyshadham (University of Michigan) and Prof. Teresa Molina (University of Hawaii) on a quasi-experimental study of an ILO soft skills training programme for women workers in STEM industries in South-East Asia.

- Involved in data retrieval, cleaning, visualization and regression analysis using event study and natural language processing (NLP) methodologies.

Working on algorithm development and implementation for the World Bank *Tejaswini* project using R and AWS to match over 100,000 school dropouts to training providers.

Writing back-end Python functions for storage and analysis of survey applications and other program interventions at GBL.

I also anonymize, clean and analyse large monthly employee level datasets from GBL's partner firms.

Research Assistant, IESEG School of Management

France, 2020

Assisted Prof. Simone Moriconi with data cleaning, regression analysis and visualization of large household surveys for a paper that analyses the effect of non-traditional gender norms on labour supply.

Assisted with data analysis on a paper on voting preferences of 2nd generation immigrants in Europe.

Research Assistant, Sciences Po

France, 2019-20

Assisted Prof. Golvine de Rochambeau on analysis of a field experiment to test for driver compliance under monitoring among trucking firms in Liberia.

- Used GPS data from trucks to match with survey data on truck managers and drivers using QGIS and Stata in order to verify treatment effects obtained from survey data.

Research Assistant, Paris School of Economics

France, 2019

Assisted Prof. Akiko Suwa-Eisenmann in building an export dependency database using product-level bilateral trade data.

- Identified key trends, shocks and developed a matrix of dependent products at country income and region level with a focus on product hubs in developing nations.

Research Papers

[In Progress] *Local Government and Development: Evidence from District Splitting in India*. (2022). (with Saumya Joshi and Smit Gade)

The paper estimates causal effects of decentralization on local development using nightlights data, by exploiting district splitting and election data in India. It employs a combination of difference-in-difference and spatial discontinuity methods to provide robust estimates.

Extensive coding pipeline implemented in R - new datasets, web-scrapping, big data cleaning, spatial data analysis

A study into the role of ROSCAs as an informal financial system for households in slums of Delhi. (2017). (with Prashant Kumar and Aditya Raj)

Primary survey based undergraduate quantitative research paper with a research grant awarded by Department of Economics, Ramjas College, University of Delhi.

Awarded as the best research paper at St. Stephens College, ARSD College and at Dayal Singh College paper presentation events.

Languages

Odia (Native), English (Fluent), Hindi (Fluent)