**Vikas PD Gawai**

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**SUMMARY**

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| * Economists with deep experience over 5 years in advanced causal inference, observational data analysis, and applied econometrics tools like difference-in-differences, instrumental variables, and regression discontinuity designs. * Extensive experience in statistical modeling, data wrangling, exploration, scraping, and analysis using advanced statistical tools. * Extensive experience in presenting research with interdisciplinary departments, including public policy, sociology, and population health, Social Security Administration (SSA), consumer science, applied economics, and Affiliated with various departments * Fieldwork experience to discuss and explore various research ideas and interact with the stakeholders, including state education department, government representatives, teachers, and school children, design a field experiment to conduct a randomized control trial (RCT) * Rich experience of 8 years in the non-academics industry with various roles, including project manager, business development, and planning, that helped me develop excellent written and communication skills, client presentation and management, team building, and leading (lead a team of over 100 people) and profit maximization (32% profit on a project). |  |

**EDUCATION**

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| **Ph.D. Econometrics and Quantitative Economics**- Agricultural and Applied Economics, University of Wisconsin-Madison, WI, USA  *Recipient of several research and diversity, equality, and inclusion (DEI) awards* | **May 2024 (Expected)** |
| **MS Econometrics and Quantitative Economics,** University of Wisconsin-Madison, WI, USA  *Recipient of the award under ‘Best Paper scholarship’* | **2016-18** |
| **Bachelor of Technology (B.Tech),** Civil Engineering, Mumbai University, MH, India | **2004-08** |

**TECHNICAL SKILLS**

* **Toolbox:** Stata (advanced), Python (basic), R (basic), MS Office, Git, LateX, Enclave (confidential/ restricted data handling), Citrix Workspace (for big data)
* **Data Analysis:** Data visualization, Cleaning, Economic Modelling, Communication, Inference, Econometric Analysis

**RESEARCH INTEREST**

Health Economics, Aging, Health Disparity, Human Capital, Agriculture, Social Security, Causal Inference, Applied Econometrics, Development, Regional Economics

**PROFESSIONAL EXPERIENCES**

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| **Ph.D. Research & Graduate Research Assistantship, University of Wisconsin-Madison**   * **Wage Gap between US and Foreign-Born Land Grant Scientists** *with Prof. Jeremy Foltz* * 50% contributed to the research paper estimating the wage gap between foreign-born and US-born academic faculty; * Developed a framework to identify and test sources of the wage gap; * Used standard methods in labor economics, including Kitagawa-Oaxaca-Blinder decomposition, to identify whether wage discrimination exists; * Scrapped data from the *Web of Science* for about 600 data points*;* * Conducted analysis in Stata with the novel survey data; * Presentation at the top field conference -Agriculture and Applied Economics Association (AAEA), in August 2022. * **Early Life Exposure to Agriculture Shock (Green Revolution) on Later Life Cognitive Health of Older adults** *with Valentina Duque, Jinkook, Lee, Lauren Schmitz* (funded by NIA grant) * The first author; contributed over 80% to estimate the causal effect of an increase in agriculture productivity in early life on later-life cognition using the potentially largest aging data in the world (over 70,000 respondents); * Crosswalked the historical agricultural data (on about 300 districts) with the contemporary health and education data (of over 600 districts); * Used various applied econometrics tools and produced geospatial maps and visualization that show the spatial and temporal variation in agricultural productivity; * Presentation at the top policy conference - Association for Public Policy Analysis & Management (APPAM), in November 2022. * **Early-Life Economic Conditions and Old-Age Mortality: Evidence from Historical County-Level Bank Deposit Data** *with Valentina Duque, Jason Fletcher, Hamid Noghanibehambari, Lauren Schmitz* (funded by NIA, Center for Retirement Research Steven H. Sandell Grant Program pursuant to a grant from the U.S. Social Security Administration (BC20-S2), and the Center for Demography of Health and Aging (CDHA)) * A major contribution by discovering the bank deposit data, which is arguably the best available data on the proxy for the Great Depression in the US; * Worked with interdisciplinary co-authors from sociology, economics, and public policy; * Produced geospatial maps and visualization * **Does giving bicycles to grade-9 girls motivate grade-6 girls to continue schooling?- Spillover effect of a bicycle policy** *(Best paper award scholarship during Masters of Economics)* * 100% contribution; used universe of school administrative data from two states in India on enrollment with over 30,000 schools and over 750,000 grils’ enrollment in grade 6 * Used difference-in-differences estimation strategy to find a significant spillover effect of a bicycle policy on girl’s enrollment * **Research Assistant** * Assisted a project of Profs. Lauren Schmitz and Valentina Duque evaluate early exposure to the Great Depression in the US on later life mortality; data analysis using the restricted HRS data. * Assisted Andra Ghent (Wisconsin School of Business) in a project that uses the WRDS data to plot time series of Treasuries, corporate debt, common stock, residential real estate, and commercial real estate. | September 2018- Present |
| **Assistant Manager (Sub-contracts, Business Development, and Planning), L&T, ITDC, VEL, Gammon India Ltd**   * Worked in various leadership positions in top construction firms in India; supervised about 40 construction workers and 3 supervisors; led a building foundation (deep foundation) project with over 100 manpower including engineers, supervisors, and workers; led a planning department to achieve a 32% profit on a project; achieved a saving of over 6 million INR under the sub-contract negotiations. | **2008-16** |

**ONGOING PROJECTS**

**Does the availability of better broadband improve the social security disability applications after the social security administration (SSA) field office closures?-** (funded from an award from the RDRC, CFS at UW-Madison, in collaboration with SSA)

* Working on getting the restricted SSA administrative data; developing a proposal using the advanced econometrics method

**Does the minimum teacher rule affect students’ test scores?- A Multiple Regression Discontinuity Approach**

* Revisited the common question in the economics literature in the uncommon setting with the unique econometric method of multiple RD design for the largest education system in the world

**ADDITIONAL TRAINING**

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| * Junior Scholar Intensive Training (CFS, UW-Madison, with SSA) | 2022 |
| * Affiliated with interdisciplinary departments (Center for Demography of Health and Aging (CDHA), Institute of Research on Poverty (IRP), Retirement and Disability Research Center (RDRC) | Various years |