**Vikas PD Gawai**

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**SUMMARY**

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| * Economists with deep experience 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 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, Aging, Human Capital, Agriculture, Social Security, Causal Inference, Applied Econometrics, Development

**PROFESSIONAL EXPERIENCES**

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| **Researcher, University of Wisconsin-Madison**   * Co-authored a paper with my advisor estimating the wage gap between foreign-born and US-born academic faculty by developing a framework to identify and test sources of the wage gap; used Kitagawa-Oaxaca-Blinder decomposition to identify the explained and unexplained (discrimination) part of the wage gap; conducted analysis in Stata with the novel survey data; conference presentation- AAEA * Led two papers with co-authors estimating the causal effect of an increase in agriculture productivity in early life on later-life health, aging, and the next generation’s human capital (funded by NIA grant); crosswalked the historical agricultural data with the contemporary health and education data; used various applied econometrics tools; produced geospatial maps and visualization that show the spatial and temporal variation in agricultural productivity; conference presentation- PAA, APPAM * Co-authored a paper with interdisciplinary co-authors from sociology, economics, and public policy; contributed better data on the proxy for the 1939 Great Depression in the US and studied how the Great Depression affected later life mortality   **Research Assistant, University of Wisconsin-Madison**   * Assisted a project of Profs. Lauren Schmitz and Valentina Duque that evaluates 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. | **2018-** |
| **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

**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)

* Used census of administrative data and DID method to find a significant spillover effect of a bicycle policy on girl’s enrollment

**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 |