

Venkatesh Subramanian

[Email](#) • [Website](#) • [LinkedIn](#) • [Github](#)

Data Analyst | Policy Wonk | PhD Candidate at UTD

EDUCATION

The University of Texas at Dallas, Dallas, TX, USA.

PhD in Public Policy and Political Economy, *May 2027*

MS in Social Data Analytics and Research, *Dec 2025*

Graduate Archer Fellowship, *Summer 2023*

- Dissertation: *Pushing and Pulling Antibiotic Innovation: Evidence from the National Institutes of Health and the Centers for Medicare & Medicaid Services*
- Combined data from NIH's RePORTER and Marx & Fuegi's patent-to-paper dataset to analyze ROI from NIH funding to antibiotic innovation
- Developed a data pipeline using SureChEMBL to map insurance categories to patents, and analyzed if higher public insurance reimbursements to bacterial infections via Medicare affected related patenting levels employing a two-stage DiD
- Awarded an \$1800 grant for my research via the Office of Graduate Education Dissertation Research Award at UTD
- Presented the work at the American Society of Health Economists in 2026 both in a talk and a poster

National Institute of Technology Karnataka, Mangaluru, KA, India.

Master of Science in Physics, *May 2019*

- Thesis project: Identified the best fit random graph model using a Python implementation of Graphlet algorithms

University of Madras, Chennai, TN, India.

Bachelor of Science in Physics, *May 2017*

- Awarded "Best outgoing student of BSc Physics"

EXPERIENCE

School of Economic, Political and Policy Sciences, The University of Texas at Dallas, Dallas, TX, USA

Course instructor, *Aug 2026-Present*

Teaching Assistant, *Aug 2023 –Present*

- As instructor, lectured weekly on American National Government (Fall 2026) for 129 freshmen from various majors
- As TA, assisted students in Research Design II (Spring 2024, 2025, 2026), Research Design in the Social and Policy Sciences (Fall 2025), Topics in Science, Technology and Institutions (Fall 2024), and Approaches to Peace (Fall 2023)

Center for Global Development, Washington DC, USA

Summer delegate, *June 2023 – Aug 2023*

- Co-published a working paper. See below.
- Tidied, analyzed, and visualized the text data of project descriptions from Creditor Reporting System (CRS) of the OECD using Python, and implemented a mapping mechanism from CRS projects to DCP3 interventions using keyword frequencies

Cartesian Consulting, Bengaluru, KA, India

Senior Analyst, *Jul 2020 – Jan 2022*

Analyst, *June 2019 – Jul 2020*

- Developed an ETL pipeline with Bash and SQL alongside a Quality-Check pipeline for a daily Point-Of-Sale dataset
- Visualized retail store closures across India using a Choropleth, and deployed with Plotly dash during COVID19 pandemic
- Analyzed and visualized behavior of 10M+ customers to assist in redesigning a retail client's customer loyalty program
- Consulted with stakeholders from a 10+ person cross functional team via verbal and written communications
- Awarded 'Rookie of the year 2019' and 'Employee of the year 2020'

NOTABLE PUBLICATION

Fan, V. Y., Webster, B. S., Subramanian, V., Grépin, K. A., Watkins, D. A., & Dieleman, J. L. (2024). *The Cost-Effectiveness of Health Aid: An Exploratory Quantitative Analysis* (No. 700). <https://ideas.repec.org/p/cgd/wpaper/700.html>

SKILLS

Computational skills: R (Data analysis & visualization), Python (Web scraping), SQL, Git, Linux Bash, Latex, Microsoft Excel

Languages: English (Full professional proficiency), Tamizh (Native or bilingual proficiency), Hindi (Limited working proficiency)

CITIZENSHIP

Indian citizen with US F1 VISA; Eligible to work in the US (internships and full time) for up to 36 months