

ANEESH ARORA

Stony Brook, New York

+1-9293187212 aneesharora97@gmail.com aneesharora Website

EDUCATION

Stony Brook University <i>PhD Econometrics and Quantitative Economics(STEM)</i>	August 2019 – Current <i>Stony Brook, New York</i>
Institute for Advanced Computational Science, Stony Brook University <i>Advanced Graduate Certificate in Data and Computational Science</i>	August 2022 – Current <i>Stony Brook, New York</i>
Stony Brook University <i>MA in Economics</i>	August 2018 – May 2020 <i>Stony Brook, New York</i>
Delhi university <i>B.A(Hons) Business Economics</i>	July 2015 – May 2018 <i>New Delhi, India</i>

COURSEWORK / SKILLS

-
- | | | | |
|--|-------------------------------------|--------------------------------------|--|
| • Algorithms and Data Structures | • Empirical Industrial Organisation | • Computational methods in Economics | • Investment and Stock Market |
| • Introduction to Data and Computational Science | • Applied micro-economics | • Applied Econometrics | • Time series Regression |
| | • Game theory | • Statistics & Probability | • Research methods in Business Economics |

RESEARCH FIELD

Empirical Industrial Organisation, Applied Game Theory, Economics of innovation, Applied Microeconomics

PROJECTS

Dynamic Technology Adoption Under Exogenous Technology Shifts JMP: Work in Progress

- In the dynamic environment of technological advancements, firms face the strategic challenge of deciding when to upgrade to the latest technology. In addition to the choice of adoption, this research delves into the critical aspect of timing, wherein the timing of adopting new technology influences firms' payoffs. Employing an empirical structural dynamic model using quarterly data from 2011-2021, within a sequential move game framework, this study investigates firms' behavior in response to the exogenous flow of Spectrum technology, spanning transitions from 3G to 4G and 5G.

'Optimal Pricing in Vertical Mergers' December 2019

- I study the optimal pricing mechanism of a downstream firm in case of a potential foreclosure by upstream firm and how such pricing mechanism can in turn incentivise a merger. I develop a theoretical model of vertical mergers capturing the phenomenon of vertical foreclosure.

TECHNICAL SKILLS

Python(Pandas, Numpy), SQL, R (Econometrics Modelling, Data Modelling, Structural Estimation, Data analysis, Data cleaning, Fixed Effect/ Random Effect Estimation, Multinomial Logit models, Fixed point Algorithms)

Matlab, SPSS, Stata

Teaching Experience

Industrial organisation (ECO 326)	Full Instructor, Summer 2023
Mathematical Statistics (ECO 320)	Full Instructor, Aug 2022-Dec 2022
Intermediate Microeconomic theory (ECO 303)	Teaching Assistant, Summer 2022
Mathematical Statistics (ECO 320)	Teaching Assistant, Jan 2022-May 2022
Demographic Economies of Developing countries (ECO 334)	Teaching Assistant, Jan 2021-May 2021
Mathematical statistics (Eco 320)	Teaching Assistant, Jan 2020- Dec 2020
Introduction to Economics(ECO 108)	Teaching Assistant, Aug 2019-Dec 2019