

CURRICULUM VITAE

Name: ARINDAM PAUL

Date of Birth: 03/09/1988.

Current Position: Post Doctoral Fellow (PDF), IISER Bhopal. July 2019 - .

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Academic Qualifications:

(I) Ph.D. in Quantitative Economics

- **Institute:** Indian Statistical Institute (Kolkata), Economic Research Unit, Kolkata, India.
- **Thesis title:** Price vs Quantity: Essays On Strategic Choice in Differentiated Oligopoly.
- **Thesis Supervisor:** Professor Manipushpak Mitra.
- **Focus:** Endogenous strategy choice, Bertrand-Cournot comparison, Differentiated product oligopoly market.
- **Degree Awarded:** June 2019.

(II) M.SC. in Economics

- **University:** University of Calcutta.
- **Specialization:** Equilibrium and Games, Applied Econometric With Computer Applications, Heal Economics.
- **Cumulative Statement:** CGPA-4.215, Grade-A, Result-First Class (64.3%).
- **Year of Award:** July 2011

(III) B.SC in Economics (Hons.)

- **Collage:** DUMDUM Motijheel College, affiliated to The University of Calcutta, Kolkata, West Bengal, India
- **Honours:** Economics (54.125%).
- **Pass Subject:** Mathematics and Statistics.

- **Year of Award:** July 2009

Research Interests:

- Industrial organisation
- Applied micro Theory.
- Game Theory

Paper/s Accepted For Publication:

- *Equilibrium co-existence of public and private firms and the plausibility of price competition.*

With Manipushpak Mitra, Rupayan Paul, P.M. Sharada (Accepted for publication in **Journal of Institutional and Theoretical Economics (JITE)**) on July 2019.

We consider a differentiated product duopoly where a regulated firm competes with a private firm. The instrument of regulation is the level of privatization. First, the regulator determines the level of privatization to maximize social welfare. Thereafter, both firms endogenously choose the mode of competition (that is, whether to compete in price or quantity). Finally, the two firms compete in the market. Under a very general demand specification, we show that when the products are imperfect substitutes (complements), public (strictly partially private) and private firms co-exist. Moreover, in the second stage, the firms compete in prices.

Completed Paper/s

- *Bertrand Vs Cournot: An Oligopolistic Industry with Vertically Integrated Producer (Draft of the manuscript is available on authors request.)*

We consider a differentiated oligopolistic industry which is vertically related. A single Vertically Integrated Producer (VIP) supplies a key input to his own downstream division as well as to all other downstream rivals. In the short run, when the VIP uses a uniform pricing strategy, the profit ranking of each downstream firm (apart from the VIP) under quantity and price competition depends on the number of firms operating in the market. However, in the long run, welfare rankings are sensitive to the entry cost instead. When the VIP employs a two part tariff scheme in the input market, the ranking of the society's short run welfare under quantity and price competition, depends on the number of firms operating in the market while the long run welfare ranking continues responding to the entry cost as under uniform pricing.

- *A strong equivalence result with evolutionary stable conjectural variations* With Arghya Ghosh and Manipushpak Mitra. **(Draft of the manuscript is available on authors request.)**

Equilibrium oligopoly outcomes depend on action space of firms and conjectural variations. We consider, in linear conjectural variations the evolutionary stable solution of conjectural variation equilibrium of a differentiated product oligopoly industry where a combination of both price-setting and quantity-setting firms co-exist. In a linear differentiated product oligopoly model, we show that in evolutionary stable conjectural variation equilibrium, price, quantity and resulting profits are identical across firms. Furthermore, this invariance result is true for all combinations of price-setting and quantity-setting firms.

Working Papers:

- *Sequentiality and order independence in Duopoly Market.*
- *Cournot Vs Bertrand: Optimal level of privatization in the presence of price discriminatory foreign input supplier.* with Parikshit De.

Awards Scholarships

- Qualified for Senior Research Fellowship awarded by Indian Statistical Institute 2014.
- Qualified for Junior Research Fellowship awarded by Indian Statistical Institute 2012.

Workshops and Conference

- Participate in ISI-Warwick in Economics held at ISI Delhi, 24-28 February 2014.
- Presented a paper in First Annual IGIDR-ISIK Doctoral workshop 2014, held at IGIDR, Mumbai, March 2014.
- Presented a paper in Second Annual IGIDR-ISIK Doctoral workshop 2015, held at ISI, kolkata, March 2015.
- Presented a paper in the National Conference on Public Finance, Public Economics and Public Policy organized by CTRPFP, kolkata, March 2019.
- Presented a paper in Research Scholar's Workshop held on 16 March 2019 at Department of Economics and Politics, Visva Bharati, Santiniketan, India.

Teaching interests

- Microeconomic Theory (advance level)
- Mathematical Economics (advance level)
- Game Theory (advance level)
- Optimization (advance level)
- Industrial organisation (advance level) (theory only)
- Trade theory (intermediate level)

- Development theory (intermediate level)
- Public finance (intermediate level)
- Indian Economics (intermediate level)
- Basic econometrics and statistics (intermediate level)
- Probability theory (intermediate level)

Teaching Assistance

- (1) Taught Production Theory for International students (ISEC) for the Economic Development course (2016-2018).
- (2) Work as guest lecturer from July 2018 to December 2018 in Ramakrishna Mission Vidyamandira, Belur Math. I had conducted following courses in Economics:
UG-I Mathematics for Economics Honours students.
UG-II Mathematics for Economics Honours students and Microeconomics-II Group B includes choice under uncertainty and information economics.
UG-III Tutorial for Microeconomics students.

Skills: Stata, TEX, LATEX, Maple, Microsoft Word, Microsoft Excel, Microsoft Power Point.

Languages Bengali: Native language; English: Fluent (speaking, reading, writing); Hindi: Intermediate (speaking).

References

- Prof. Tarun Kabiraj**, Economic Research Unit, Indian Statistical Institute, 203, B.T. Road Kolkata – 700108, West Bengal, India, tarun@isical.ac.in, +91 33 2575 2603 (O)
- Prof. Manipushpak Mitra**, Economic Research Unit, Indian Statistical Institute, 203, B.T. Road Kolkata – 700108, West Bengal, India, mmitra@isical.ac.in +91 (33) 2575 2608.