

Two-sided Markets, Pricing, and Network Effects

Theoretical and Empirical Study

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Outline

Introduction

Benchmark Model

Comments and Insights

Summary

Introduction

- A central aspect of platform is the role of network effects:
 - **Network effect** refers to any situation in which the value of a product, service, or platform depends on the number of buyers, sellers, or users who leverage it
 - **Direct network effects** occur when the value of a product, service, or platform increases simply because the number of users increases, causing the network itself to grow
 - **Indirect network effects** occur when a platform or service depends on two or more user groups, such as producers and consumers, buyers and sellers, or users and developers

Introduction

- Indirect network leads to feedback loops between the two sides of the market, thus increasing efficiencies and also potential market power
- Pricing is one of the key tools that platforms can manage to success

Main Focus: indirect network effects and pricing strategies in two-sided markets

Introduction

- Two-sided market: at least two distinct sets of agents interact through an intermediary and in which the behavior of each set of agents directly impacts the utility, or the profit of the other agents
- **Two-sided market** vs **Two-sided strategies**
- Treating two-sidedness as a market concept

Now let's proceed to the benchmark model in Armstrong(2006)

Armstrong(2006): Monopoly Pricing

Important Block

Key information goes here

- Method 1
- Method 2

Armstrong(2006): Competition for the Market

Important Block

Key information goes here

- Method 1
- Method 2

Armstrong(2006): Competition on the Market

Important Block

Key information goes here

- Method 1
- Method 2

Results

- Result 1
- Result 2

[Your figure here]

Conclusion

- Main finding 1
- Main finding 2
- Future work