



Satuan Acara Pengajaran

ECEU601303 - Pengantar Game Theory

Pengajar

Minggu 1

Materi Introduction, history Game Theory, application Game Theory

1. Rational Decision Making: The Single Person Decision Problem
2. PD, HD, SH, BoS, MP

Media Powerpoint

Referensi

1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)

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Minggu 2

Materi Static Games of Complete Information

1. Preliminaries & Rationality and Common Knowledge
2. Solution Concepts

Media Powerpoint

- Referensi**
1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
 2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)

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Minggu 3

- Materi** Nash Equilibrium: Theory
1. Strategic Games Pure Equilibria
 2. Nash Equilibrium
 3. Best response function
 4. Dominated actions

Media Powerpoint

- Referensi**
1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
 2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)

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Minggu 4

- Materi** Mixed Strategy Equilibrium:
1. Mixed Strategy Nash Equilibrium
 2. Dominated actions
 3. Example: mixed strategy equilibrium: Zero Sum Game

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- Referensi**
1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
 2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)
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Minggu 5

- Materi**
- Nash Equilibrium: Example Game Theory
1. Cournot's model of oligopoly
 2. Bertrand's model of oligopoly and Bertrand Paradox
 3. Electoral Competition
 4. Tragedy of Commons
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Media Powerpoint

- Referensi**
1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
 2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)
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Minggu 6

- Materi**
- The extensive-Form Game
1. Nash Equilibrium and Paths of Play
 2. Sequential Rationality and Backward Induction
 3. Subgame Perfect equilibrium and Backward Induction: Concept
 4. Subgame Perfect equilibrium and Backward Induction:
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Media Powerpoint

- Referensi**
1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)
 2. Osborne, J. Martin, An Introduction to Game Theory, Oxford University Press. (OJM)
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Minggu 7

Materi Repeated Games:
1. Finitely repeated games
2. Infinitely repeated games
3. Bargaining Games

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Referensi 1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)

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Minggu 8

Materi Auction and Competitive Bidding:
1. Strategic Representation of Bayesian Games
2. Auctions:

Media Powerpoint

Referensi 1. Tadelis, S, Game Theory: An Introduction, Princeton University Press. (ST)

Aktivitas Experiment, group play

Minggu 9

Materi Proposal Final Paper

Media Powerpoint

Referensi

Aktivitas Presentasi

Minggu 10

Materi Proposal Final Paper

Media Powerpoint

Referensi

Aktivitas Presentasi
