Advanced Microeconomics

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Chapter 1. Incomplete information games

Adverse selection

Games of incomplete information

Solving Bayesian games

Dynamics

Education as signalling

Cheap talk

Correcting false positive clinical test result

Evidence from a simplified poker

Chapter 2. Theory of Incentives: adverse selection

Model

Complete information optimal contract

Incomplete information optimal contract

Chapter 3. Theory of Incentives: moral hazard

Model

Complete information optimal contract

Incomplete information optimal contract

Chapter 4. Industrial Organization: Static Models of Oligopoly

Bertrand Paradox

Cournot Market Structure

Stackelberg: sequential moves

Capacity and price game

Chapter 5. Industrial Organization: Product Differentiation

Horizontal Differentiation

Vertical differentiation

Chapter 6. Repeated Game applied to Industrial Organization

Solving Prisoner's dilemma

Discounting

Folk Theorem

Collusion in Prices

Collusion and market concentration

Collusion and fluctuating demand

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