



Tom Clark and Chris Giles APRIL 24, 2018

275

Yes — outdated frameworks still inform policy prescriptions



ECONOMICS & FINANCE WORLD **POLITICS**

ARTS & BOOKS

> MAGAZINE

Rip it up and start again: the case for a new economics

Until we ditch the old textbook, we'll never face up to the challenges of the modern world—or move beyond neoliberalism

by Howard Reed / April 13, 2018 / Leave a comment Published in May 2018 issue of Prospect Magazine









OOKS

> ECONOMICS & FINANCE

In defence of the economists

Our field is not perfect. But the idea that it is so tainted we must "rip it up and start again" isn't just pessimietic—it is based on inaccuracies

by Diane Coyle / April 13, 2018 / Leave a comment









Distributional effects of tax and benef the UK (compared to income-upra

core econ

Free online, go to <u>www.core-econ.org</u>

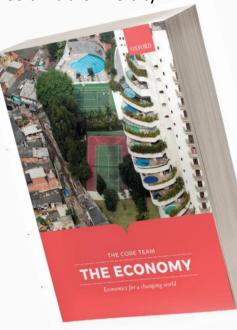




Belinda Archibong, CORE-USA Barnard College, Columbia University

The Econ 101
paradigm is broken
– what is the
alternative?

Wendy Carlin, UCL and CORE
Irish Economic Association Conference 2018
ESR Guest Lecture
May 2018



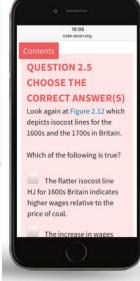




Azim <u>Premii</u> University, Bangalore



Antonio Cabrales CORE-UCL



Yann <u>Algan</u> CORE-Sciences Po, Paris



Economics teaching in trouble

Natalie
Grisales
Student at
Universidad de
los Andes



I hoped economics would give me a way to describe and predict human behaviour through mathematical tools; ... after semesters of study, I had mathematical tools; but all the people whose behaviour I wanted to study had disappeared from the scene

Refik Erzan
Professor at
Boğaziçi
University,
Istanbul



When **economics students** are asked about the economy, their **reasoning** is **no different from** the **wisdom** of **taxi drivers**, and sometimes a bit less well informed

Tim Harford Economics journalist BBC, FT



What we teach in economics today determines what people think tomorrow, it's the analysis of tomorrow, it's the policy advice of tomorrow, it's the political discourse of tomorrow. We can't just ignore this and think it's just a little academic game. It matters.

Economics teaching in trouble

Students

Economics is hard, boring and unrelated to the questions we want to answer

Lecturers

Teaching a standard principles course is easy but student engagement is poor and the content does not reflect advances in economics and the way we do research

Employers/
Public policy

Economics graduates are technically competent but unable to relate their knowledge to other team members or apply it to problems

CORE: A global collaboration of researchers



Yann Algan Sciences Po, Paris



Wendy Carlin UCL



Daniel Hojman University of Chile



Tim Besley **LSE**



Diane Coyle University of Manchester



David Hope King's College London



Samuel Bowles Santa Fe Institute



Marion Dumas Santa Fe Institute; LSE



Arjun Jayadev Azim Premji University



Antonio Cabrales UCL



Georg von Graevenitz Queen Mary University of London



Suresh Naidu Columbia University



Juan Camilo Cárdenas Universidad de los Andes



Cameron Hepburn University of Oxford



Robin Naylor University of Warwick

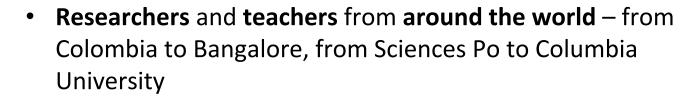
CORE: A global collaboration of researchers



Kevin O'RourkeUniversity of Oxford



Begüm Özkaynak Boğaziçi University







Malcolm Pemberton
UCL



Paul Segal King's College London

• Enabling them to engage in **evaluation and debates** on the pressing **public policy issues** of today



Nicholas Rau UCL



Rajiv SethiBarnard College, Columbia University



Margaret Stevens
University of Oxford



Alex Teytelboym
University of Oxford

Teaching the tools of economics – motivated & disciplined by facts

In this video, Nobel laureate James Heckman and Thomas Piketty explain how collecting data has been fundamental to their work on inequality and the policies to reduce it.

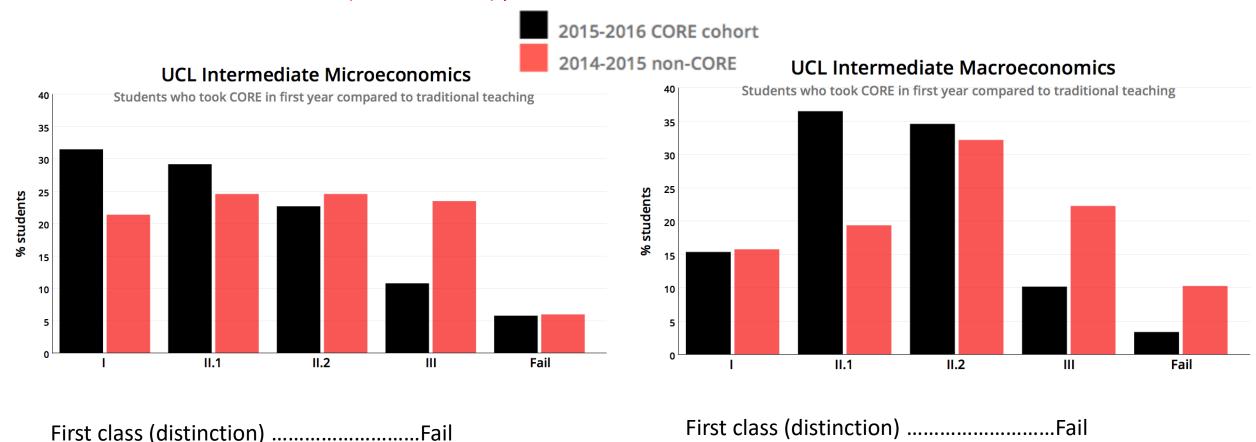


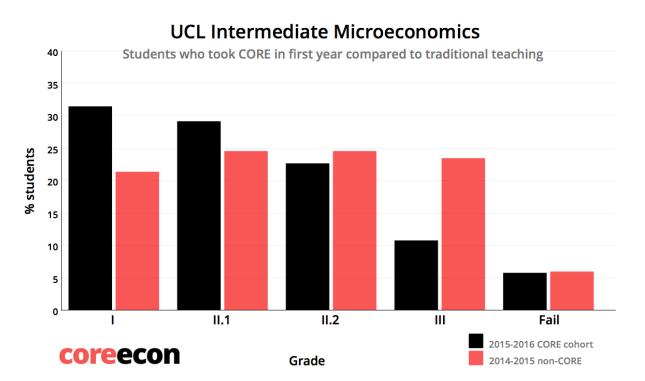
Does it work? UCL replaced 'ECON101' by CORE for all BSc Econ students in 2014

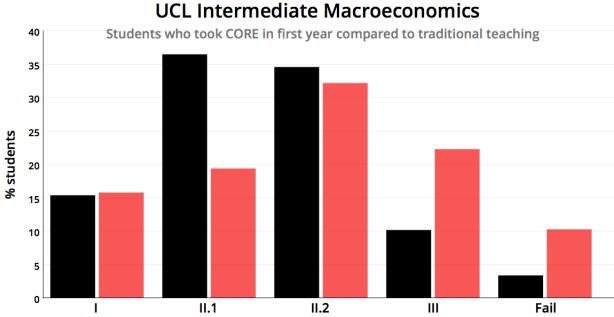
Examination results in 2016 of the first CORE cohort in their conventional second year intermediate micro and macro exams:

Comparison of first CORE cohort (n=269) with last non-CORE cohort (n=288)

Students who had studied CORE (the black bars) performed better in intermediate micro & macro

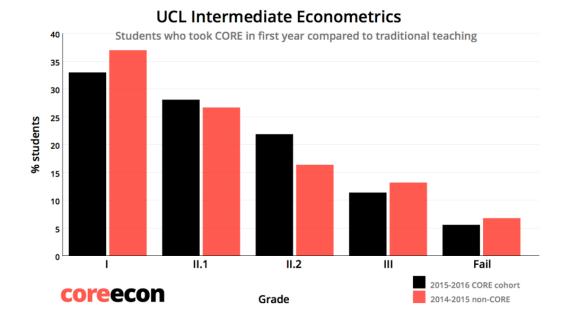






Grade

Just better students that year?
What could explain this?



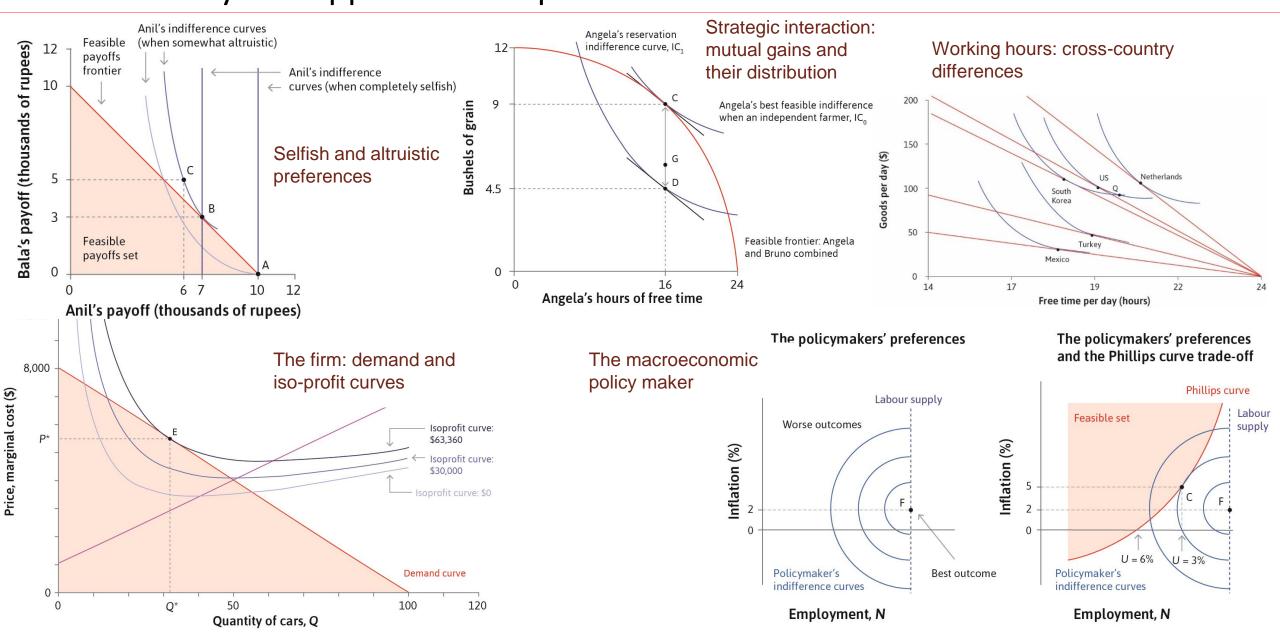
coreecon

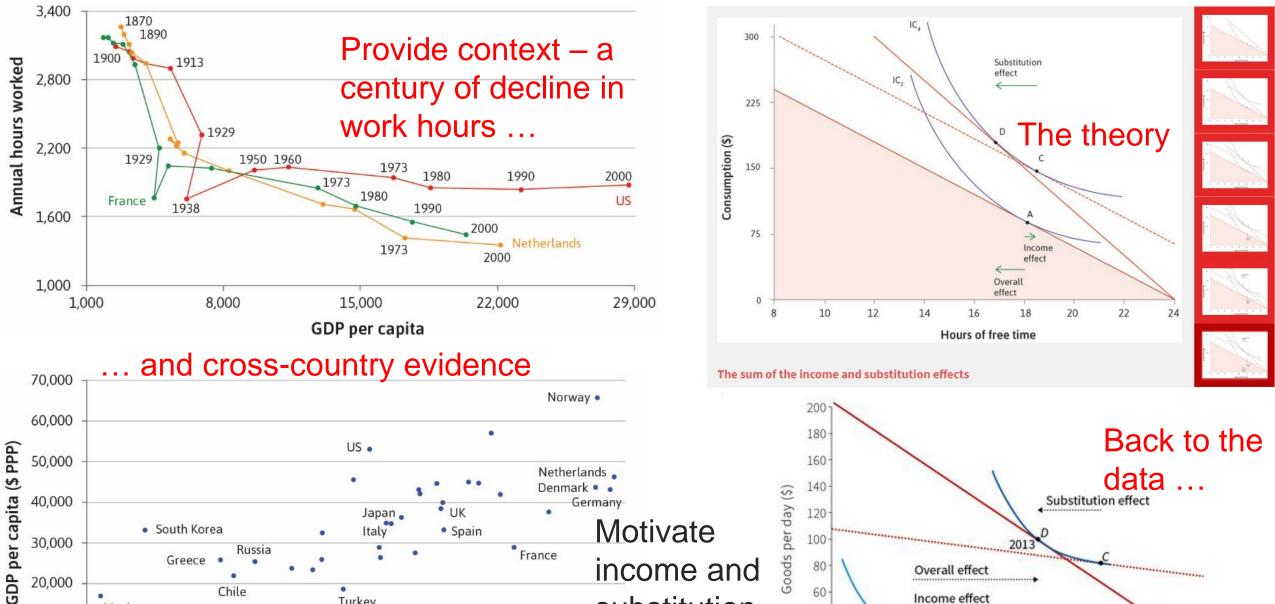


2015-2016 CORE cohort

2014-2015 non-CORE

Why does it work? Teaching the tools of economics – feasible sets and preferences – motivated by and applied to real problems in the world





Mexico

6,600

10,000

6,500

Chile 60 Income effect Turkey substitution effects 1900 20 6,900 7,000 7,100 7,200 7,300 7,400 6,700 6,800 22 18 14 16 20 Average annual hours of free time per worker Free time per day

Why does it work? Developing mathematical understanding in the context of economic problems

LEIBNIZ

4.4.1 Altruistic preferences: Finding the optimal distribution

Anil has won the lottery and must decide what to do with his 10,000 rupees. He has altruistic preferences: while he is pleased to receive the money, he also cares about his neighbour Bala who did not win anything. We can use the technique of constrained optimization to model his decision.

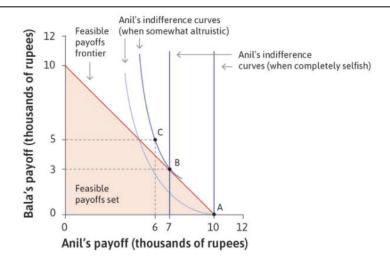


Figure 1 Anil's optimal allocation when he is altruistic.

If we knew Anil's preferences (his utility function), we could solve the constrained optimization problem to determine the point *B* precisely. Let's suppose he has a Cobb-Douglas utility function of the same form as Alexei's in Leibniz 3.5.1:

$$U(x, y) = x^{\alpha} y^{\beta}$$

where α and β are positive constants. Anil's marginal utilities are found as usual by partial differentiation:

$$\frac{\partial U}{\partial x} = \alpha x^{\alpha - 1} y^{\beta} = \frac{\alpha U}{x}, \quad \frac{\partial U}{\partial y} = \beta x^{\alpha} y^{\beta - 1} = \frac{\beta U}{y}$$

His marginal rate of substitution (the absolute value of the slope of the indifference

Motivation and role models



Esther Duflo: Representation for women in India

QUESTION 3.1 CHOOSE THE CORRECT ANSWER(S)

According to the 'Economist in action' video featuring Esther Duflo:

- ☐ The reform of the panchayat (local council) was a natural experiment that enabled economists to attribute the changes in public goods investment to having women representation in the council.
- Duflo learned about villagers' attitudes towards women as policymakers by asking them directly.
- ☐ A medium-term effect of the local council reform is that career aspirations of girls changed.
- A long-term effect of the local council reform is that girls were less likely to drop out of middle school.

Check my answers



Petra Moser: How copyright improved Italian opera

EXERCISE 3.9 EFFECTIVE POLICYMAKING FOR INTELLECTUAL PROPERTY RIGHTS

Watch the 'Economist in action' video, in which Petra Moser discusses copyright protection for nineteenth-century Italian operas.

- 1. Outline Petra Moser's research question, and her approach to answering it.
- 2. What were Petra Moser's findings about patents and copyrights?
- 3. What factors should governments consider when deciding on the effective time period of IPR protection laws, such as patents and copyrights?

EXERCISE 17.9 BANKING REGULATIONS CAN HELP BRING ON FINANCIAL CRISES

An 'Economist in action' video shows Anat Admati, an economist, explaining the problems with the regulation of the banking system.



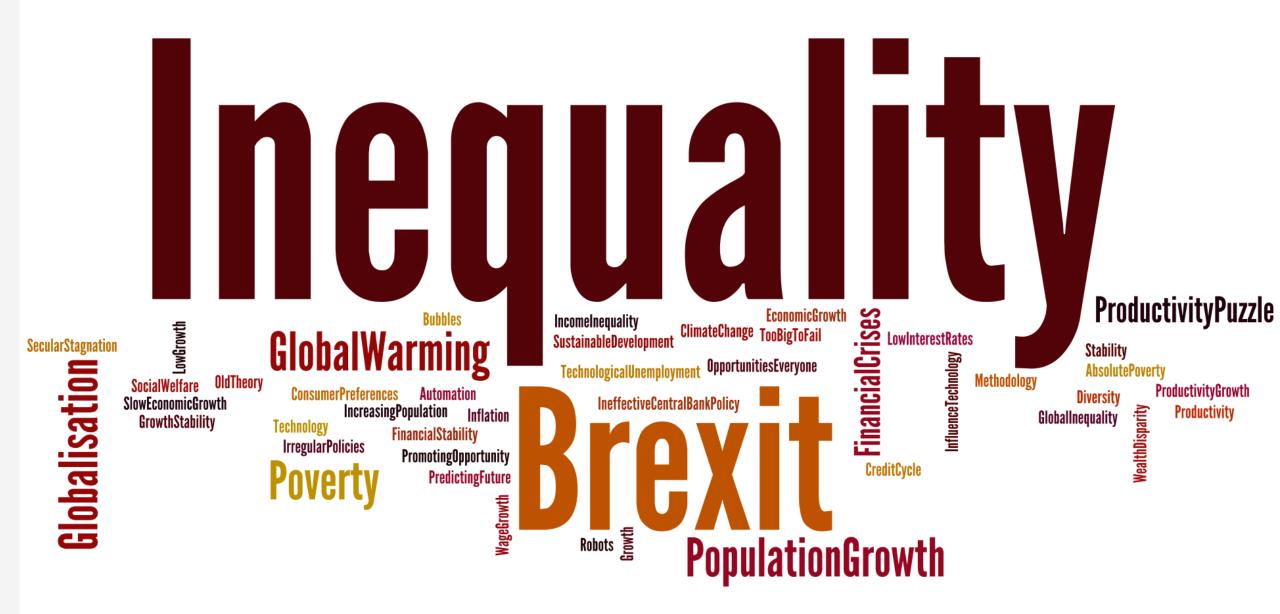
Anat Admati: What's wrong with banking (and what to do about it).

- 1. Using housing prices as an example, explain the upsides and downsides of leverage.
- 2. According to the video, what is the key difference between banks and other corporations, and why is this dangerous for the banking system?
- 3. What are some factors that contribute to the fragility and riskiness of the banking system, and how can we prevent future financial crises from occurring?

What is the most pressing issue that economists today should address?



What is the most pressing issue that economists today should address?



Problems, paradigms and texts

- A paradigm according to Kuhn is what is taught to good undergraduates
- It emerges when researchers have stopped using the previous benchmark model
- New real-world problems sometimes instigate new paradigms in economics
 - e.g. the Great Depression and the "Keynesian revolution"
- And these new paradigms are eventually codified in a new textbook.
 - e.g. the "Keynesian revolution" and Samuelson 1948
- Earlier paradigm setting texts: Marshall 1890, Mill 1848
- The basic content and method of the top intro economics textbooks has changed little in the half century since Samuelson.
- CORE represents a new paradigm based on different first principles and addressed to today's economic challenges.



A paradigm in economics has to take a position on

- What the economy is
- What people are like
- How we interact in the economy
- The economic outcomes of these interactions
- How these are to be evaluated
- How they may be improved by public policy

A paradigm in economics has to take a position on

Benchmark	Econ 101	CORE, and contemporary economics
 What the economy is 	Static, self- contained system	
 What people are like 	Homo economicus	
 How we interact in the economy 	Perfectly competitive markets	
		We'll fill in the right hand column But first:
 The economic outcomes of these interactions 	Static and 'optimal'	How would a benchmark model look if the course began a little differently from the usual?
 How these are to be evaluated 	Unexploited mutual gains	
 How they may be improved by public policy 	Limited to narrowly defined market failures	

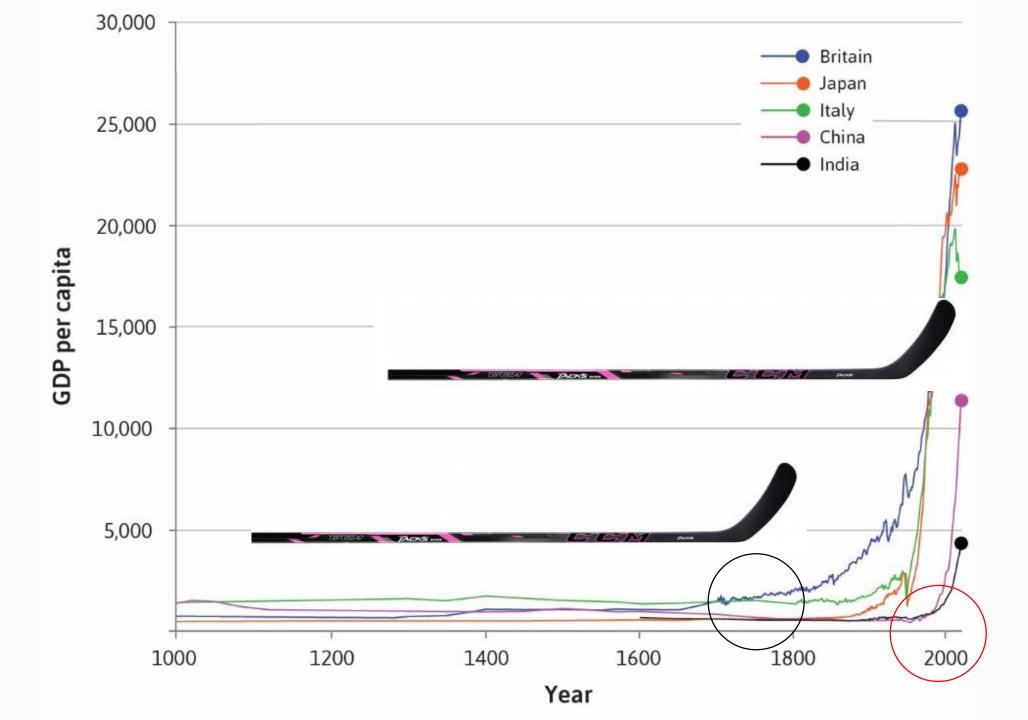


How capitalism revolutionized the way we live, and how economics attempts to understand this and other economic systems

- Since the 1700s, increases in average living standards became a permanent feature of economic life in many countries.
- This was associated with the emergence of a new economic system called capitalism, in which private property, markets and firms play a major role.

THEMES AND CAPSTONE UNITS

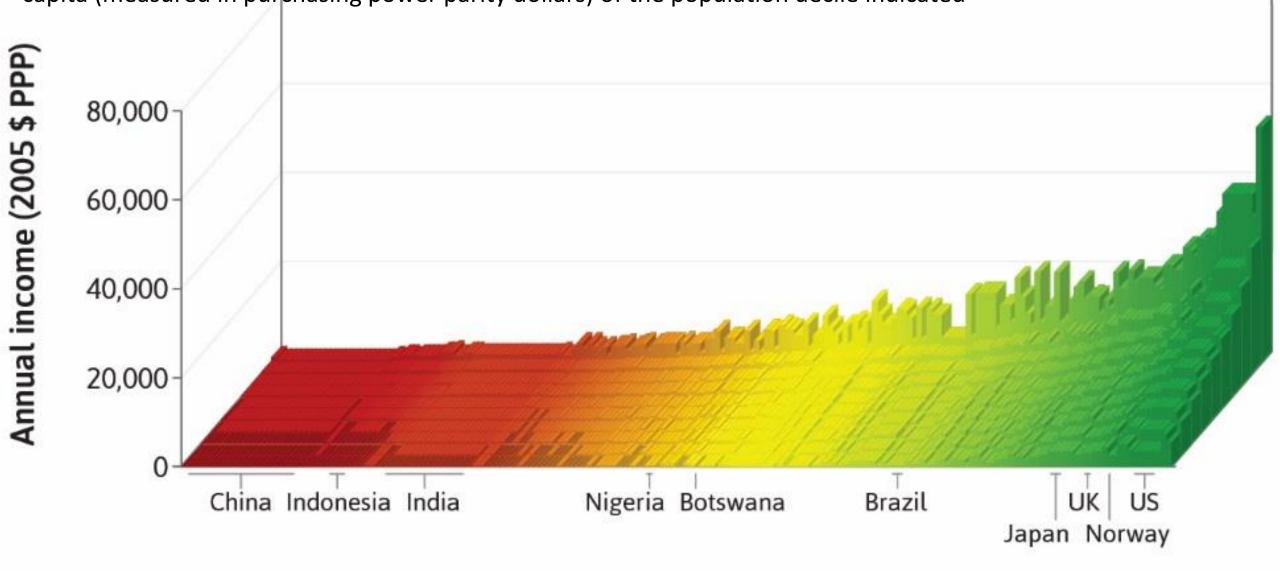
- History, instability, and growth
- Global economy
- Inequality
- Environment
- Innovation
- Politics and policy





The distribution of income in the world. Height of the bars is the gross domestic income per capita (measured in purchasing power parity dollars) of the population decile indicated

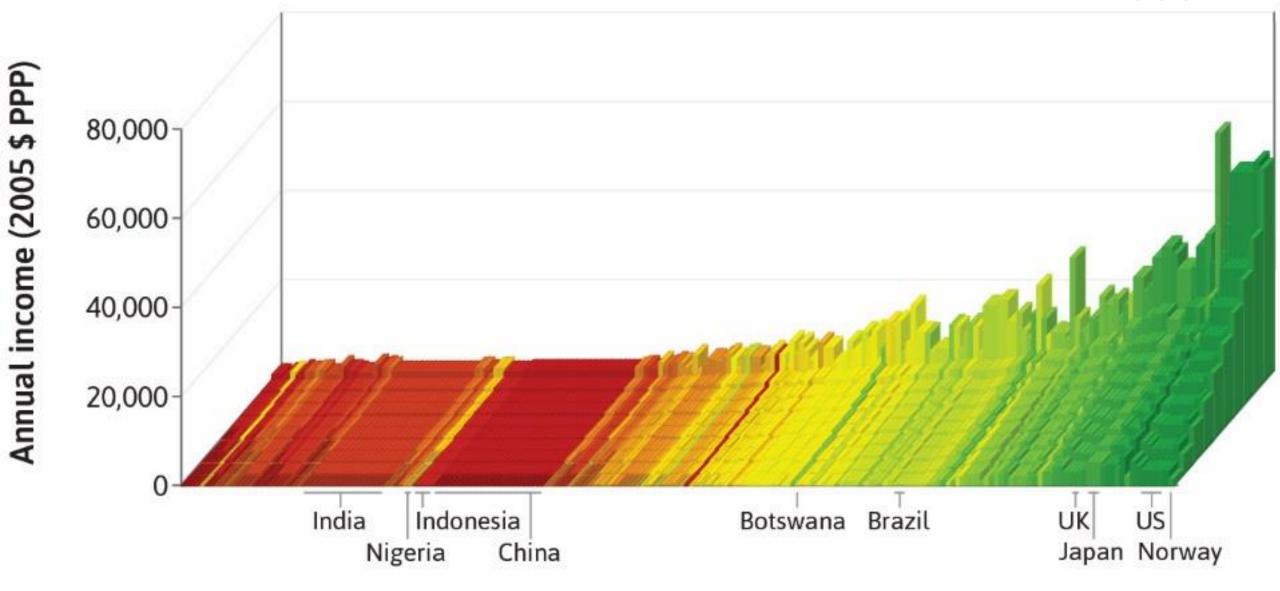
1980



Poorer countries

Richer countries

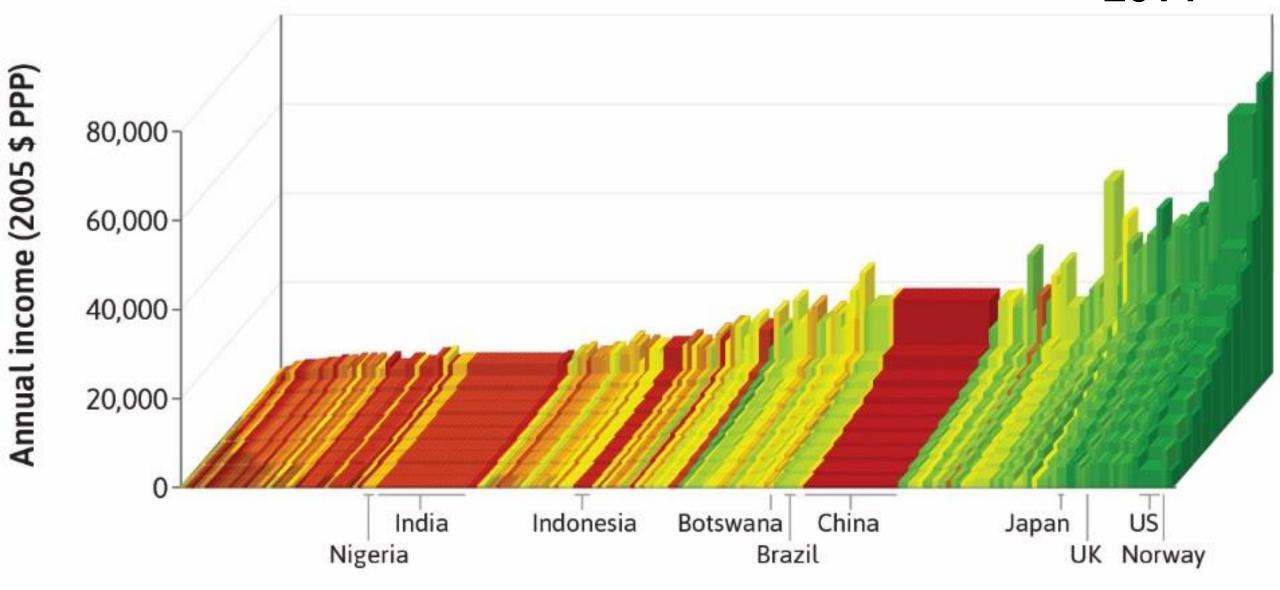




Poorer countries

Richer countries

2014



Poorer countries

Richer countries

If the new problems and questions are not an afterthought but at the front of the book, there will have to be some changes in the **rest** of the book... examples

Problems

• Wealth creation & growth

Environmental problems

Inequality

Unemployment & fluctuations

Instability

Key concepts new to Intro

Schumpeterian rents, disequilibrium

Social interactions / other-regarding preferences

Economic rents, bargaining power, institutions

Incomplete contracts in labour & credit markets

Prices as information & dynamics of price-setting

Motivating learning by complex problems, we focus on actors, stressing

- Game theory Nash equilibrium, multiple equilibria
- Principal agent models
- Price-making and (economically productive) rent seeking
- Social preferences and norms
- Increasing returns, positive feedbacks
- Dynamics

This leads to a novel sequencing of the material taught ... for example, teach game theory, social norms, institutions, and firms *before* markets

... and provides key foundations for understanding the aggregate economy by

- beginning with heterogeneous agents through a set of principal-agent problems and
- leading naturally to a model with involuntary unemployment and fluctuations, endogenous money and bubbles
- and where **inequality** is in the modelling framework's DNA

If the new problems and questions are not an afterthought but at the front of the book, there will have to be some changes in the **rest** of the book... examples

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Economic institutions are the rules of the game – who does what and who gets what on a pirate ship

HOW INSTITUTIONS INFLUENCE THE BALANCE OF POWER IN INTERACTIONS AMONG ECONOMIC ACTORS, AND HOW THIS AFFECTS THE FAIRNESS AND EFFICIENCY OF THE ALLOCATIONS THAT RESULT

- Technology, biology, economic institutions and people's preferences all matter as determinants of economic outcomes
- Interactions between economic actors can result in mutual gains, and also in conflicts over how the gains are distributed
- Power is the ability to do and get the things we want in opposition to others

THE ROBER'S ARTICLES

ARTICLE I

Every Man has a Vote in the Affairs of the Moment; has equal title to fresh Provisions...

ARTICLE III

No person to Game at Cards or Dice for Money.

ARTICLE IV

The Lights and Candles to be put out at eight a-Clock at Night; If any of the Crew after that Hour still remained enclined for drinking, they are to do so on the open Deck...

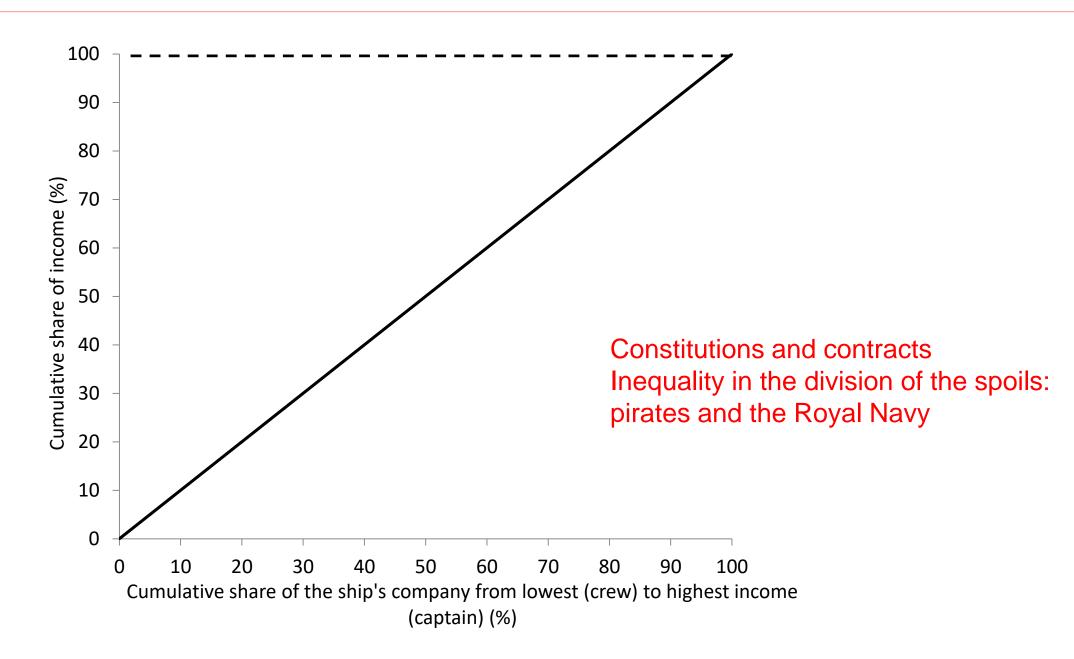
ARTICLE X

The Captain and Quarter Master to receive two Shares of a Prize (the booty from a captured ship); the Master, Boatswain, and Gunner one Share and a half, and other Officers one and a Quarter (everyone else to receive one share, called his Dividend)

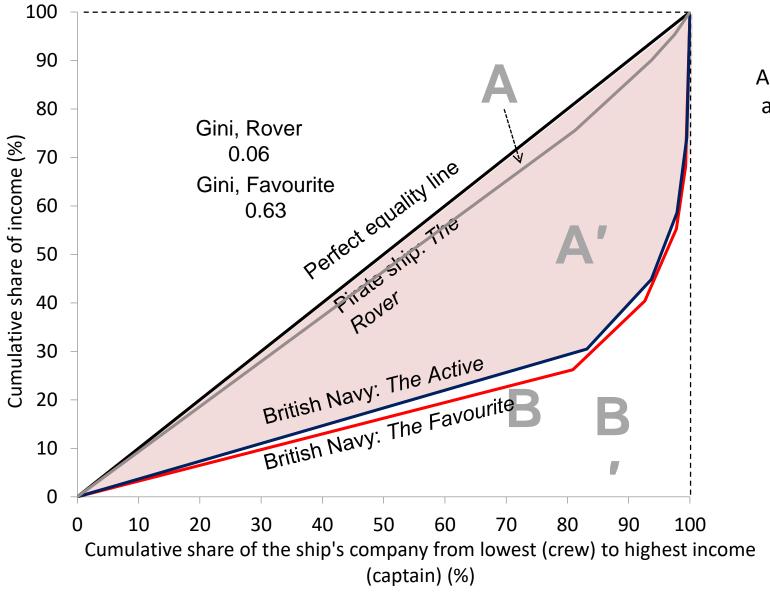
ARTICLE XI

The Musicians to have Rest on the Sabbath Day but the other six Days and Nights none without special Favour.

Connecting institutions to measurement of inequality



Constitutions and contracts Inequality in the division of the spoils: pirates and the Royal Navy



A Pirate Ship Lorenz Curve and Gini Coefficient

A simple parable illustrates basic concepts for the study of inequality

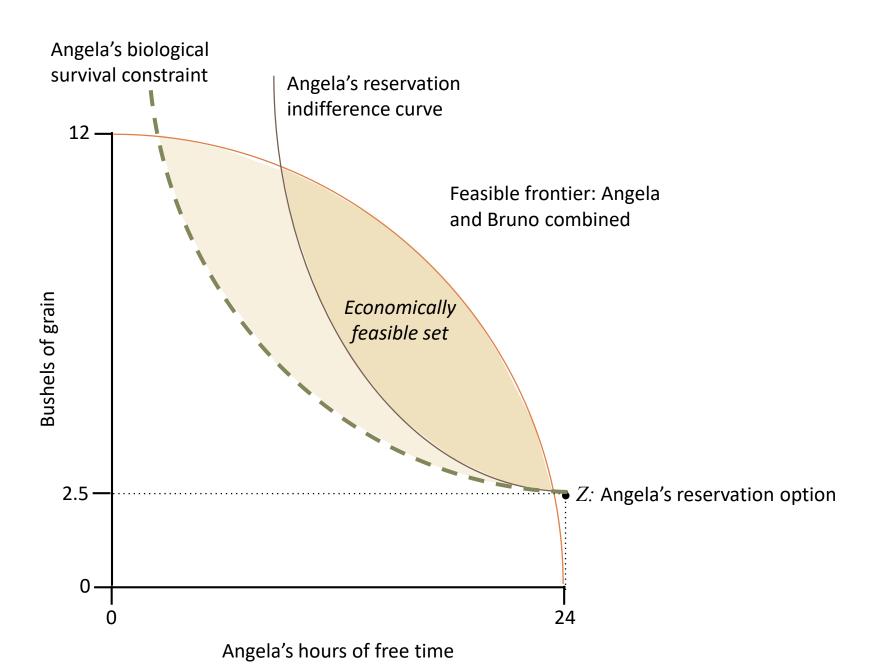
- Introducing: a bargaining model, starring Angela and Bruno...
- People occupy different positions given by economic institutions: structural heterogeneity
- Interactions may be coerced or voluntary
- Where voluntary, there must be (at least weakly) mutual gains possible
- There is therefore a conflict over the distribution of the mutual gains
- Theory and data: Operation Barga (land tenure conflicts and reforms) in India

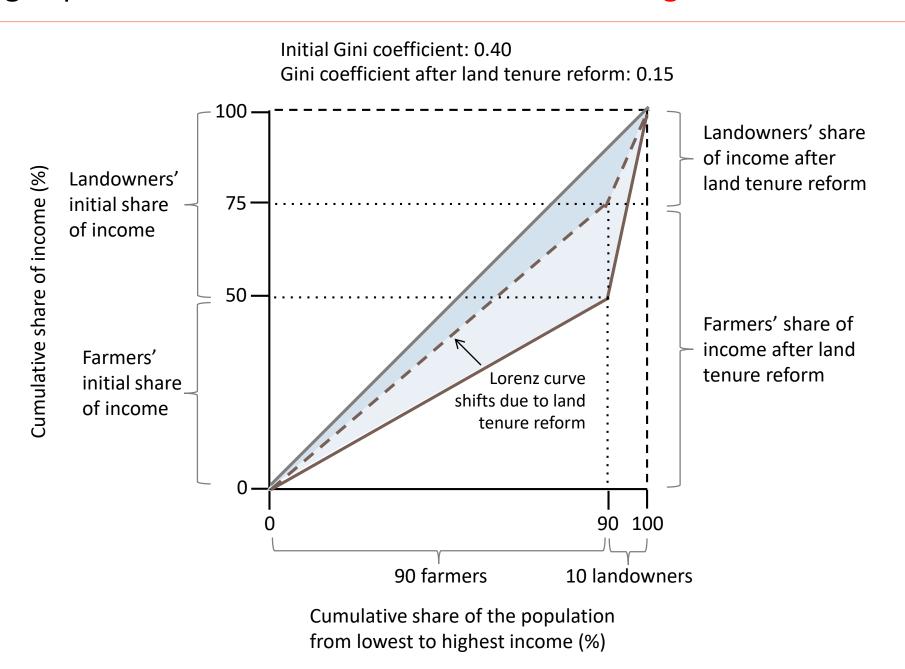
How do institutions matter?

Scenario	The Model:	Real-world examples
	Angela and Bruno's interaction	
A	Independence: Angela works the land on her own, and everything she produces is hers.	Independent farmers with access to land (either free, or because they own it) have been common in history ever since farming began.
В	Rule of force: Slavery. There is a second person, who does not farm, but is able to take some of the harvest. He is called Bruno. Bruno is heavily armed, and Angela is, effectively, his slave.	Also common throughout history: slavery and other forms of coerced labour in mines and plantations was the basis of much of the economy of North and South America after the arrival of Europeans. It persists today — among domestic workers and prostitutes — though in most countries illegally. The UK's Modern Slavery Act was passed in 2015.
C	Property rights and the rule of law: Laws protect Angela from coercion but give Bruno ownership of the land. If she wants to farm his land, she must agree, for example, to pay him some part of the harvest. But she has the right to say no. He has to make her an offer that she will accept.	In manufacturing, farming, and other kinds of work, owners of land and other capital goods employ workers, or make their land available to the landless for rent, a common arrangement today and for thousands of years. The sharecropping in Bengal in India is an example.
D	Property rights, the rule of law, and the right to vote: the rules of the game are a bit more in Angela's favour. She and her fellow farmers achieve the right to vote and legislation is passed that increases Angela's	Capitalism and democracy in the 20 th century and today. Operation Barga in Bengal changed the rules and was the result of political pressure in a democracy.

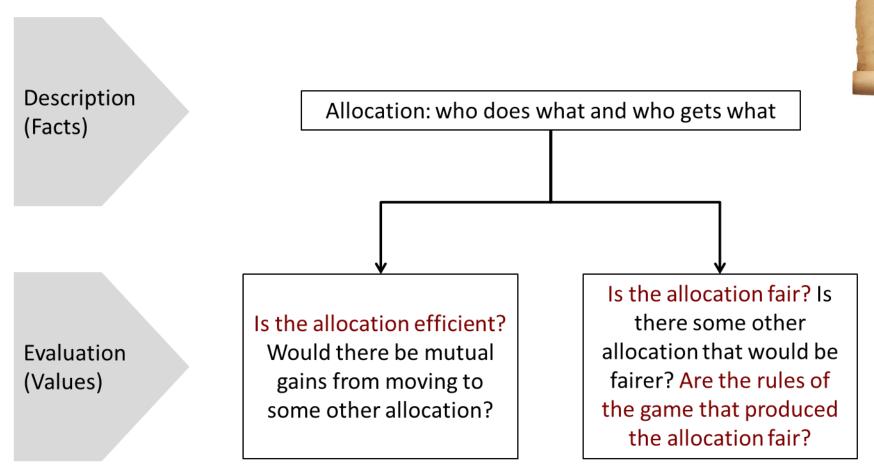
claim on the harvest.

Figure 5.6. Economically feasible allocations when exchange is voluntary.





Evaluation: every economic transaction involves both mutual gains & conflicts of interest



The Rober's articles

ARTICLE

Every Man has a Vote in the Affairs of the Moment; has equal title to fresh Provisions...

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ARTICLE

The Captain and Quarter Master to receive two Shares of a Prize (the booty from a captured ship); the Master, Boatswain, and Gunner one Share and a half, and other Officers one and a Quarter (everyone else to receive one share, called his Dividend.)

ARTICLE N

The Musicians to have Rest on the Sabbath Day but the other six Days and Nights none without special Favour.

A Rawlsian question (used throughout)

EXERCISE 1.11 WHERE AND WHEN WOULD YOU CHOOSE TO HAVE BEEN BORN?

Suppose you can choose to be born in any time period in any of the countries in Figure 1.1a, 1.10 or 1.11, but you know that you would be among the poorest 10% in the population.

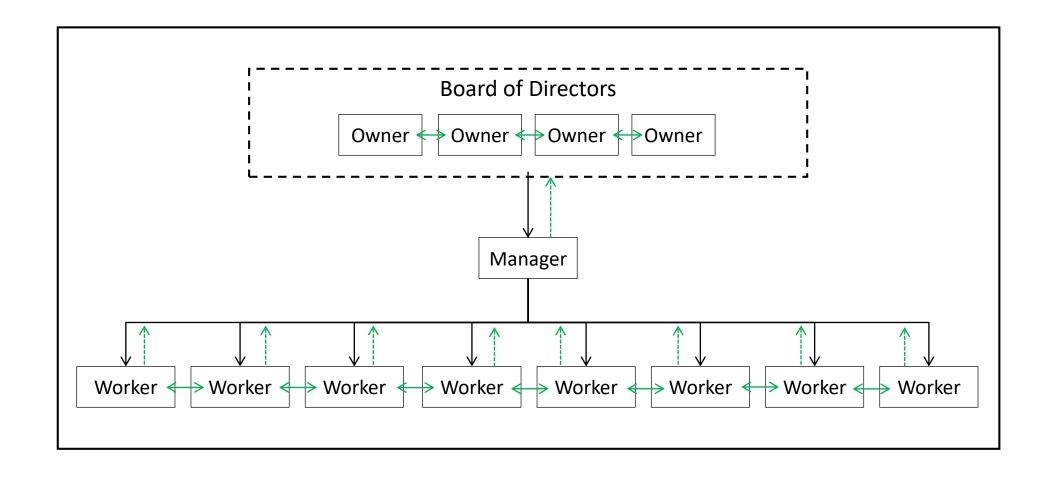
- 1. In which country would you choose to be born?
- 2. Now suppose, instead, you know you would initially be among the poorest 10% in the population, but you would have a fifty-fifty chance of moving to the top 10% of the population if you work hard. In which country would you now choose to be born?
- 3. Now suppose that you can only decide on the country and time period of your birth. You cannot be sure if you would be born in the city or the countryside, would be male or female, rich or poor. In which time and country would you choose to be born?
- 4. For the scenario in (3), in which time and country you would least want to be born?

Use what you have learned from this unit to explain your choices.

We then apply this framework to the modern firm

- The firm as a social organization
- People in different positions have differing (both common and conflicting) interests: structural heterogeneity
- Employment makes possible mutual gains and entails a conflict over their distribution
- The labour contract is incomplete: effort on the job cannot be enforced by a court
- How differences in unemployment affect the worker's fallback position and hence the wage and the effort level
- Theory and data: Why workers speed up when the economy slows down (evidence)

Figure 6.1. The firm's actors and its decision-making and information structures.



The conflicts of interest in the firm

WHEN ECONOMISTS AGREE

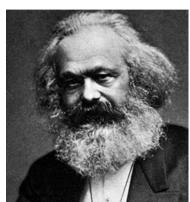
Coase and Marx on the firm and its employees

The writer George Bernard Shaw (1856–1950) joked that 'if all economists were laid end to end, they would not reach a conclusion.'

This is funny, but not entirely true.

Even more striking is that two economists from different centuries and political orientations came up with similar ways of understanding the firm and its employees.





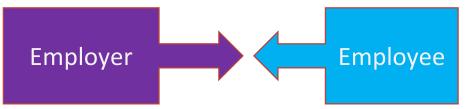
Recall that Coase had also defined the firm by its political structure: 'If a workman moves from department Y to department X, he does not go because of a change in prices but because he is ordered to do so.' He sought to understand why firms exist at all, quoting his contemporary D. H. Robertson's description of them as 'islands of conscious power in this ocean of unconscious cooperation'.

Actors & their interactions – a foundation for understanding the aggregate economy

A principal agent problem ...

- entails conflicts of interest
- arises when information is asymmetric because actions are hidden from principal / not verifiable in court
 - → incomplete contracts
 - → market failures are ubiquitous
 - → institutions and social norms matter

In the labour market, ...



What is the conflict of interest over? What is left out of the contract?



Work effort is not contractually enforceable: An employee's best response to the wage.

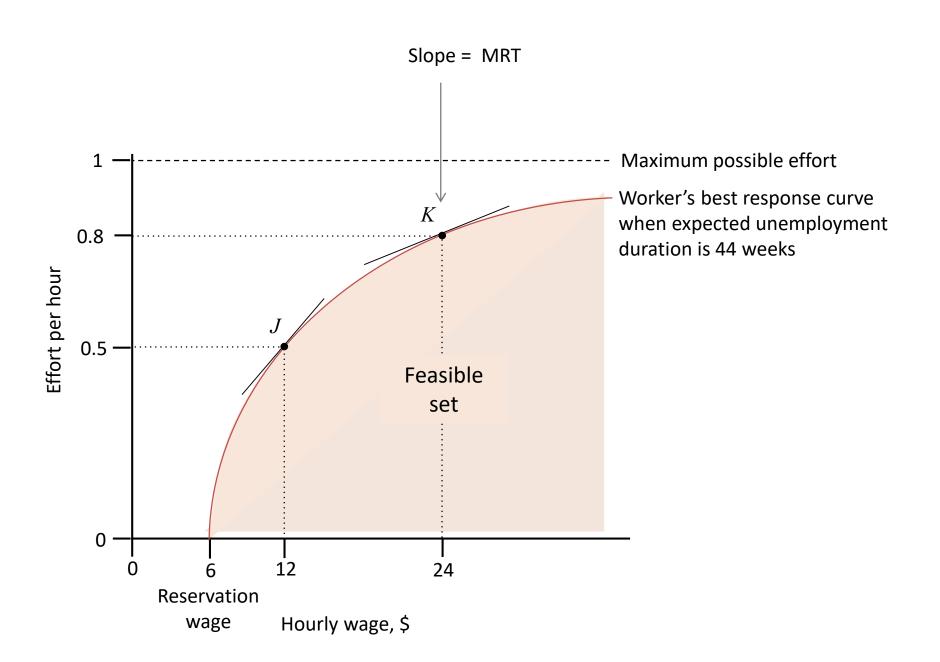
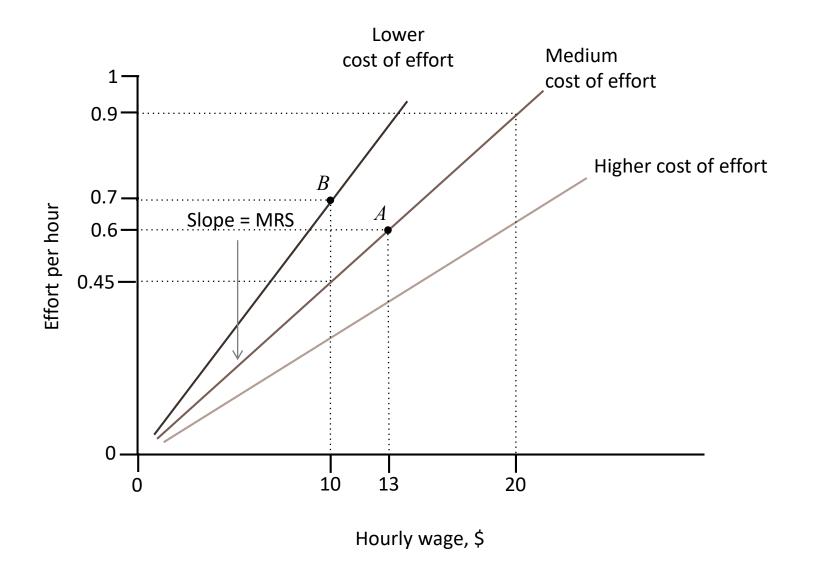
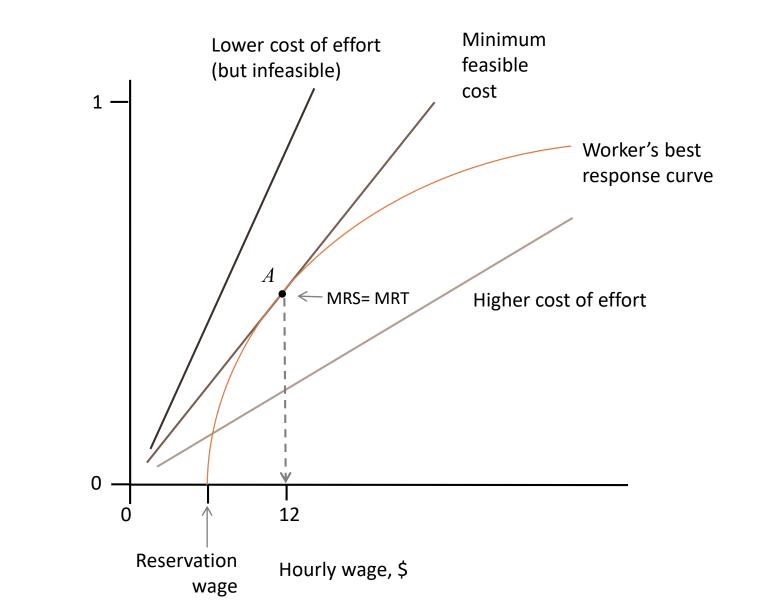


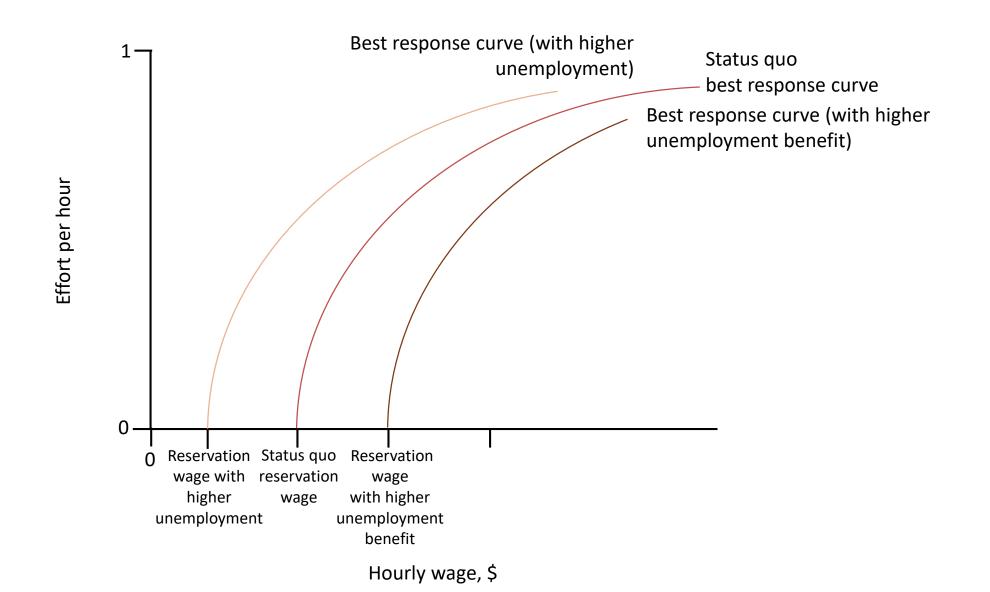
Figure 6.5. The employer's indifference curves: isocost lines for effort.





Effort per hour

Figure 6.7. The best response curve depends on the level of unemployment and the unemployment benefit.



Theory and data: Edward Lazear et. al. on why workers speed up when the economy slows down

HOW ECONOMISTS LEARN FROM FACTS

Workers speed up when the economy slows down

The idea that employment rents are an incentive for em illustrated in a study by Edward Lazear (an economic at President George W. Bush) and his co-authors. They im during the global financial crisis, to see how the manage the turbulent economic conditions. The firm specializes such as insurance-claims processing, computer-based test centres, and operates in 12 US states. The nature of the management of the firm to track the productivity of wo worker effort.

It also allowed Lazear and his colleagues to use the firm analyse the effect on worker productivity of the worst re Depression.

EXERCISE 6.6 LAZEAR'S RESULTS

Use the best response diagram to sketch the results found by Lazear and co-authors in their study of a firm during the global financial crisis.

- 1. Draw a best response curve for each of the following years and explain what it illustrates:
 - a. the pre-crisis period (2006)
 - b. the crisis years (2007-8)
 - c. the post-crisis year (2009)

Assume that the employer did not adjust wages.

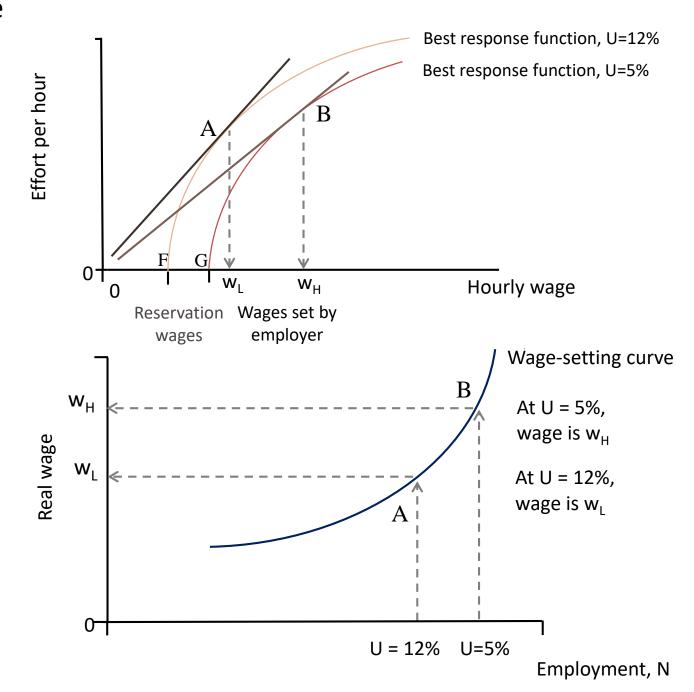
2. Is there a reason why a firm might not cut wages during a recession? Think about the research of Truman Bewley and the experimental evidence about reciprocity in Unit 4.

When unemployment rose, workers could expect a longer spen or unemployment in they lost their job. Firms did not use their increased bargaining power to lower wages as they could have, fearing the reaction of their employees.

From conflicts within the firm to economy-wide unemployment and inequality

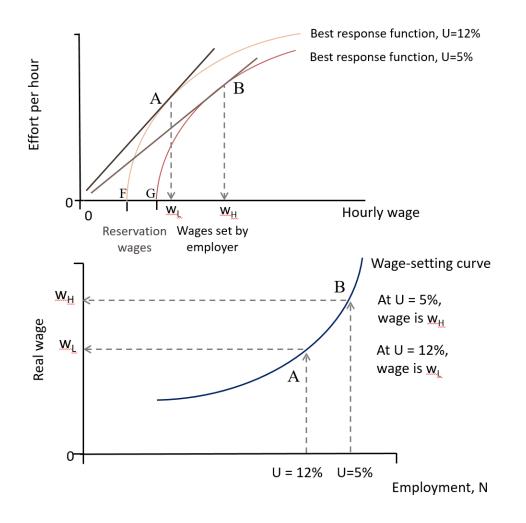
- The model of the firm gives us an economy-wide wage curve
- This is the basis of later macroeconomic model: goodbye to the micro-macro schizophrenia
- Theory and data: the US wage curve
- The labour market, the Lorenz curve and income inequality.
- Evaluation: efficiency and fairness.

Figure 9.5. Deriving the wage-setting curve:
Varying the unemployment rate in the economy.



Micro ←→ Macro→ Data

Figure 9.6. A wage-setting curve estimated for the United States economy (1979-2013).



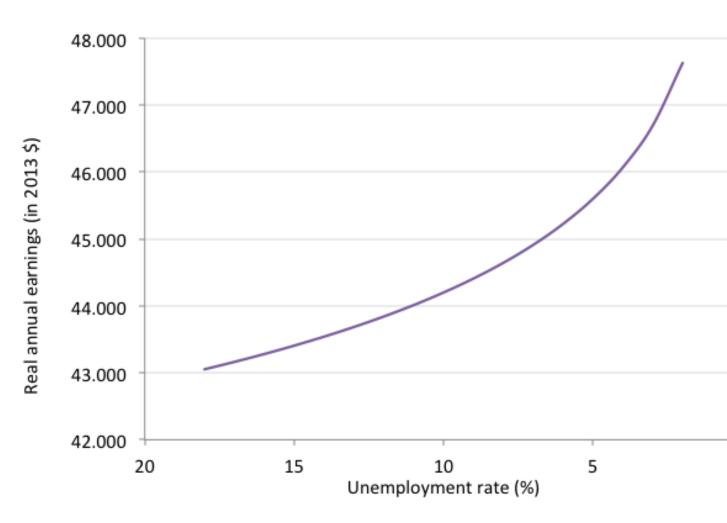
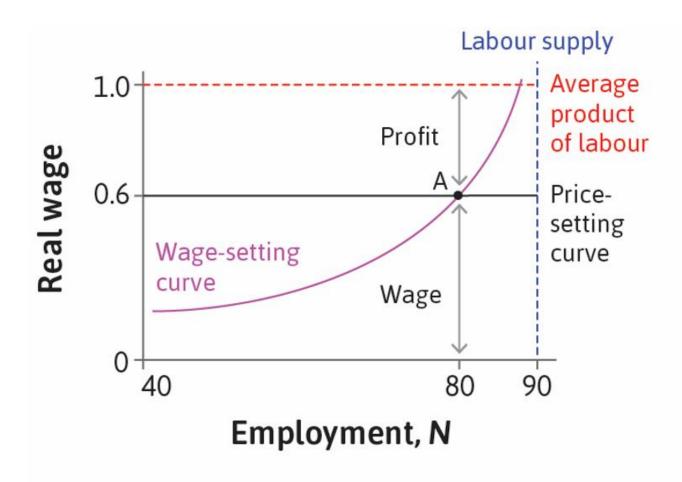
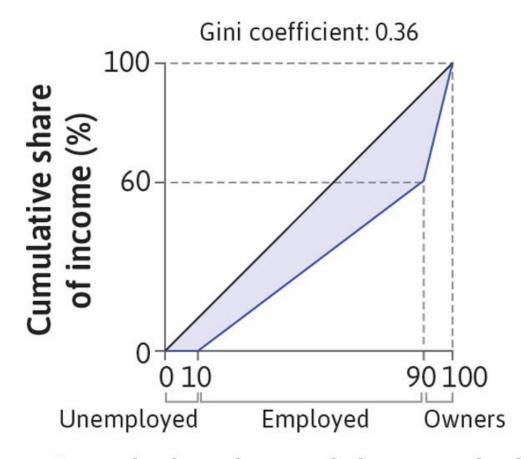


Figure 9.16. The distribution of income at labour market equilibrium. (right panel)

Micro ←→ Macro→ Inequality





Cumulative share of the population from lowest to highest income (%)

Aggregate demand and fluctuations – a second principal-agent problem

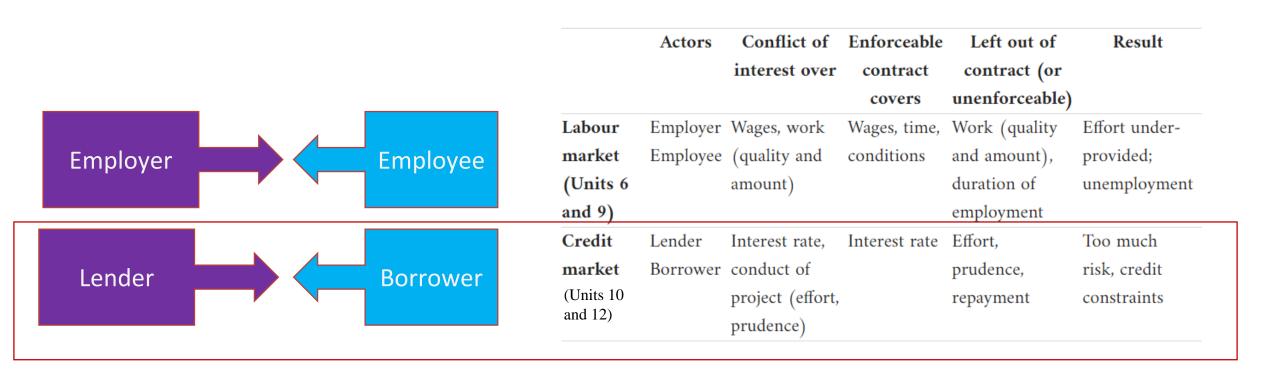


Figure 10.19 Principal-agent problems: The credit market and the labour market.

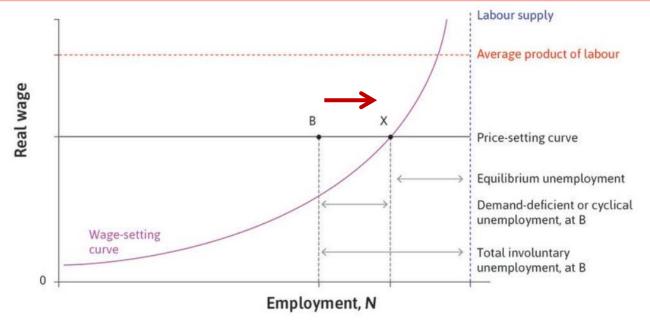
→ Heterogeneous agents, credit-constrained households, and multiplier effects in the aggregate economy

Cyclical unemployment and aggregate demand – using the model of the price-setting firm

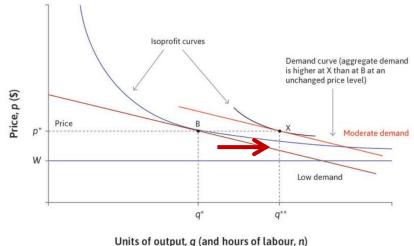
9.7 How changes in demand for goods and services affect unemployment

Politics and policy

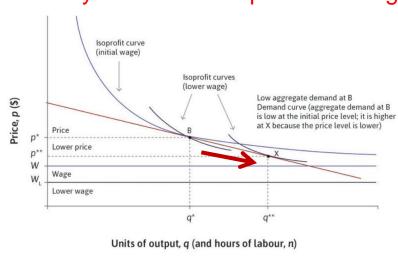
The problem: demand-deficient unemployment at B



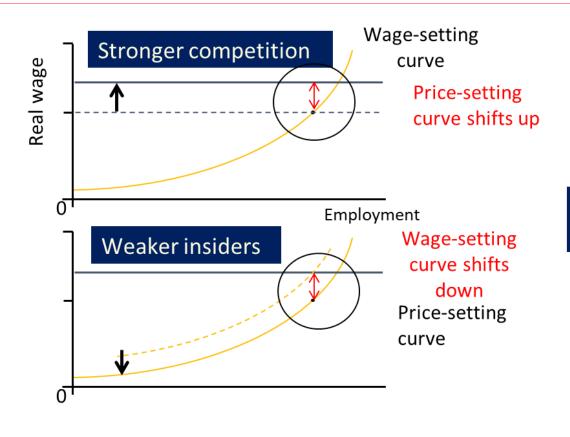
Solution #1. Use aggregate demand policies



Solution #2. Rely on downward price and wage flexibility



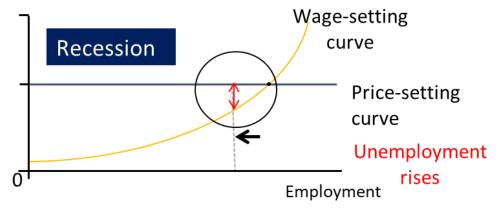
Why is inflation falling?



1. Owners' power falls relative to consumers

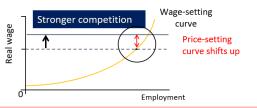
Always ask: what has happened to the bargaining gap?

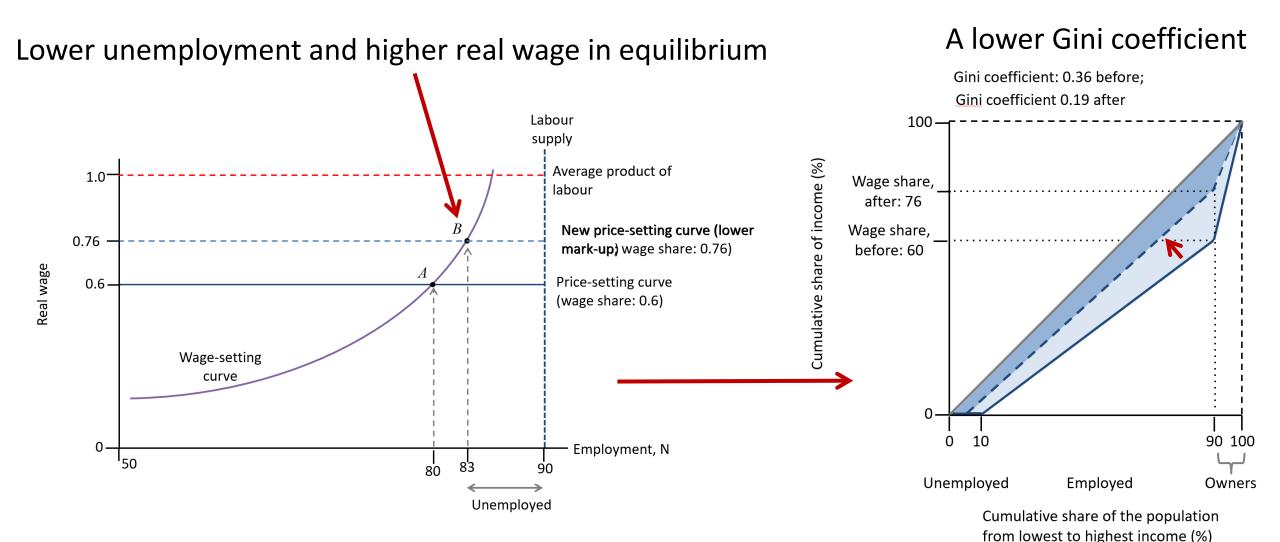
2. Employees' power falls relative to owners



3. Employees' power falls relative to owners in a recession

Inequality in the aggregate economy – using Lorenz curves The effect of an increase in the degree of competition





Government and central bank as actors – using constrained optimization

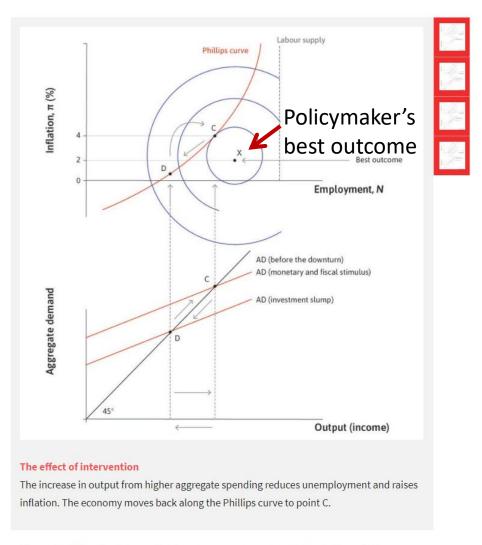
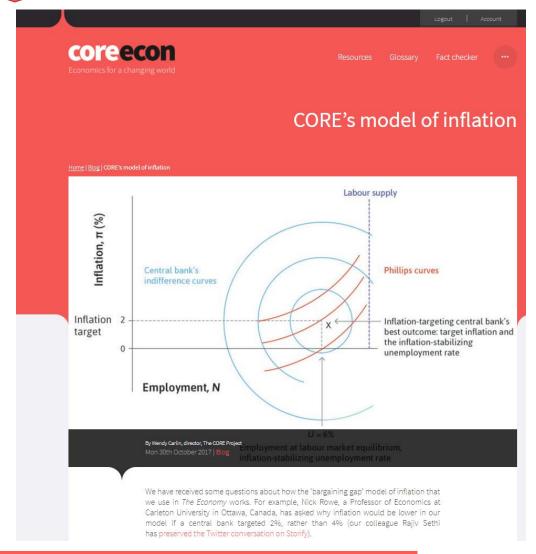


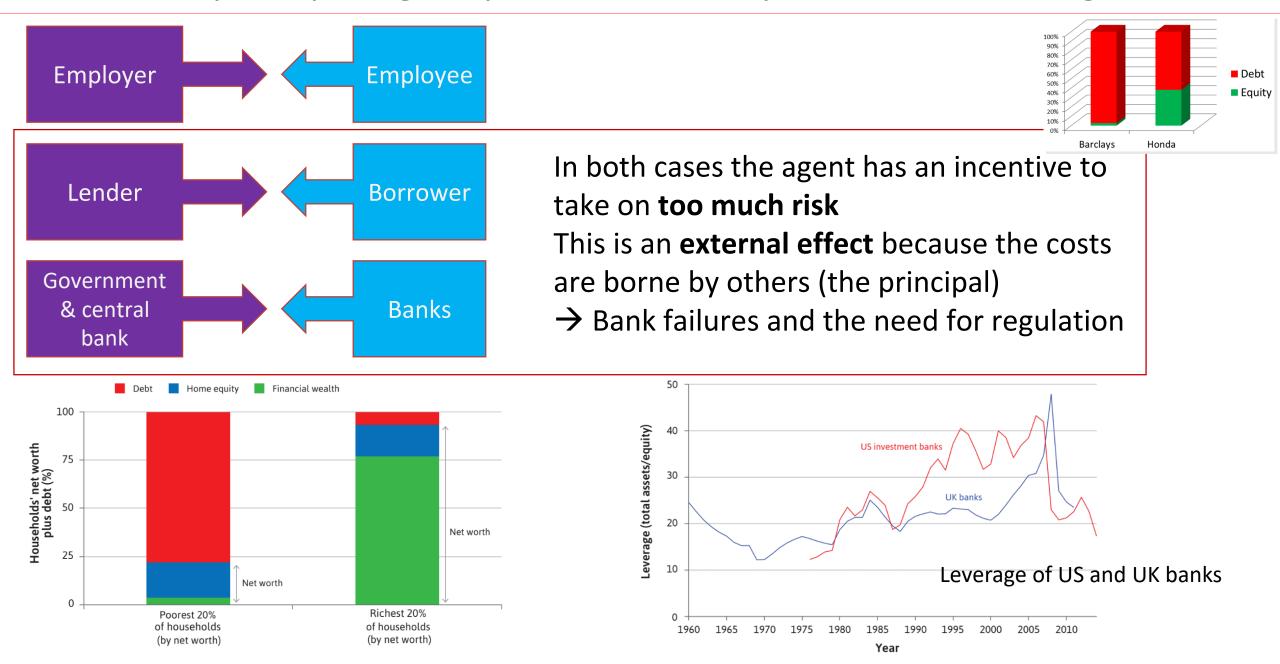
Figure 15.18 A policy intervention to restore employment and output after a fall in investment.

Read more here on the CORE blog





And a third principal-agent problem to analyze bank risk-taking



If the new problems and questions are at the front of the book there will have to be some changes in the **rest** of the book...examples.

Problems

Wealth creation & growth

Environmental problems

Inequality

Unemployment & fluctuations

Instability

Key concepts new to Intro

Schumpeterian rents, disequilibrium

Social interactions / other-regarding preferences

Rents, bargaining power, institutions

Incomplete contracts in labour & credit markets

Prices as information & dynamics of price-setting

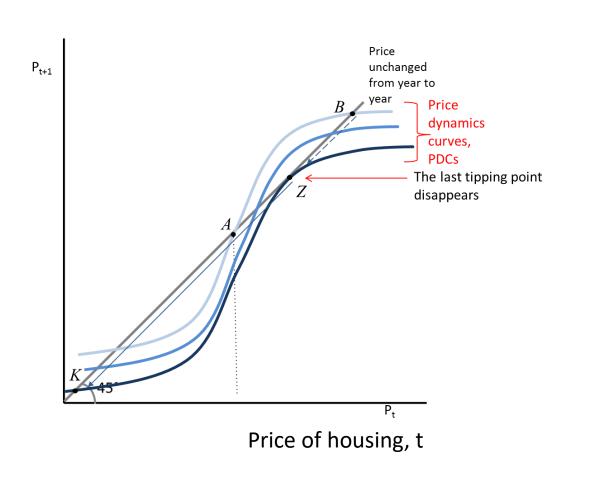
Learn tools that can be applied to different problems in the real world

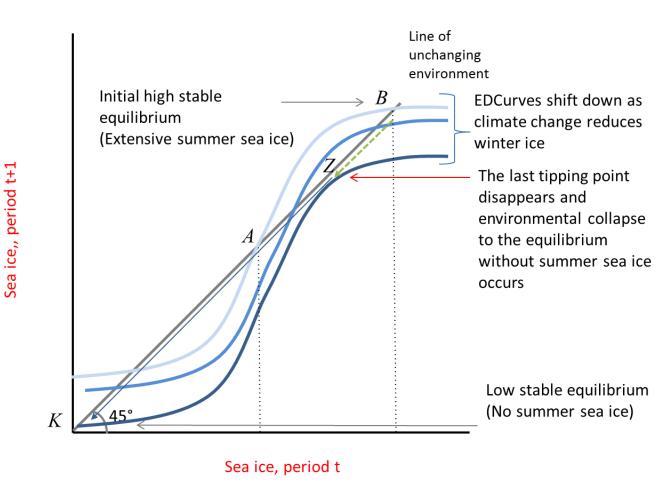
A bubble in the housing market

An environmental tipping point

Figure 20.24. Climate change and irreversible loss of summer Arctic sea ice.

A tipping point in the housing market.





A paradigm in economics has to take a position on

Benchmark	Econ 101	CORE, and contemporary economics
 What the economy is 	Static, self- contained system	
 What people are like 	Homo economicus	
 How we interact in the economy 	Perfectly competitive markets	
 The economic outcomes of these interactions 	Static and 'optimal'	
 How these are to be evaluated 	Unexploited mutual gains	
 How they may be improved by public policy 	Limited to narrowly defined market failures	

A paradigm in economics has to take a position on

	•	
Benchmark	Econ 101	CORE, and contemporary economics
What the economy is	Static, self- contained system	Always-changing process embedded in society & biosphere
What people are like	Homo economicus	Also, have social preferences, respond to norms; are principals and agents
 How we interact in the economy 	Perfectly competitive markets	Also, price-making, strategic and non- market interactions associated with static & dynamic economic rents
 The economic outcomes of these interactions 	Static and 'optimal'	Include dynamic responses and pervasive external effects
 How these are to be evaluated 	Unexploited mutual gains	Also, fairness
 How they may be improved by public policy 	Limited to narrowly defined market failures	Of central concern

Back to problems, paradigms and texts: Samuelson incorporates aggregate demand



Aggregate demand

Samuelson 1948 = Marshall + Keynes

Strategic interaction

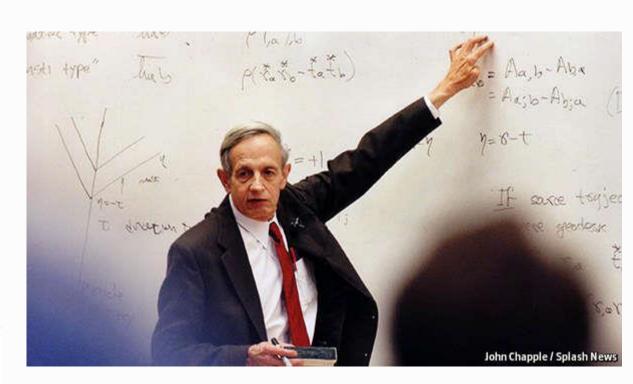
Information is scarce and local

Back to: Problems, paradigms and texts



Aggregate demand





Strategic interaction

Information is scarce and local

Back to: Problems, paradigms and texts – integrating insights



The entrepreneur, creative destruction Joseph Schumpeter The Economy Units 2, 16, 21



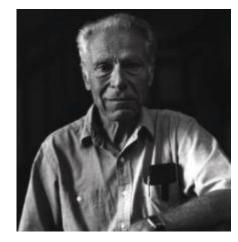
Instability and risk

Hyman Minsky

The Economy Units 10, 17



Power, human motivation and organizations Herbert Simon
The Economy Units 4, 5, 6, 20, 22



Exit, voice, and loyalty in the economy, society & politics Albert Hirschman The Economy Unit 22



Social norms and managing common property Elinor Ostrom

The Economy Units 4, 12, 20

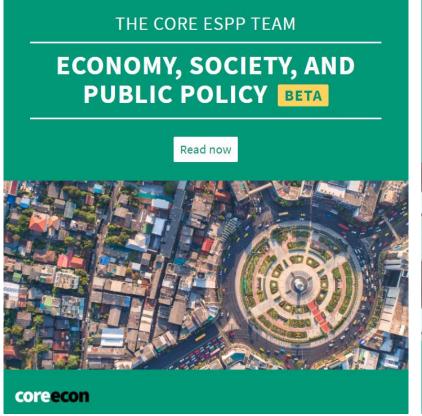
The CORE ebooks

Replaces traditional Econ101 Micro and macro Calculus supplements (Leibniz)

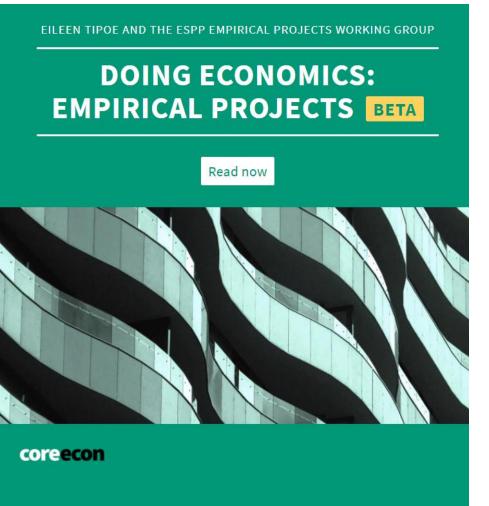
+ 6 capstone units

Aimed at non-economics specialists Public policy orientation Undergrad or public policy masters Hands-on step-by-step data handling and analysis projects
Using Excel or R
Linked to ESPP (& The Economy)









1 Measuring climate change

Learning objectives Introduction Working in Excel Working in R

2 Collecting and analysing data from experiments

Learning objectives Introduction Working in Excel Working in R

3 Measuring the effect of a sugar tax

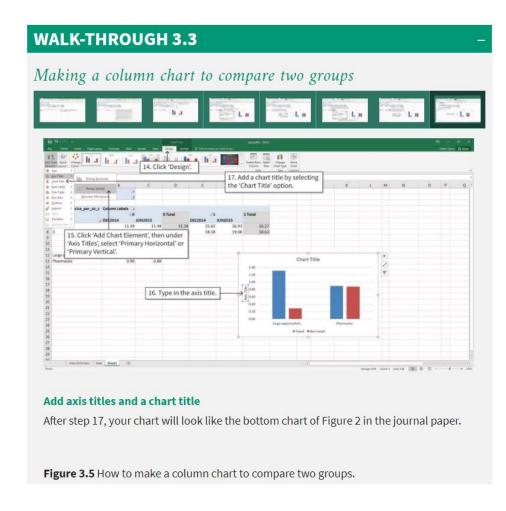
Learning objectives Introduction Working in Excel Working in R

4 Measuring wellbeing

Learning objectives Introduction Working in Excel Working in R

5 Measuring inequality

Learning objectives Introduction Working in Excel Working in R



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- 1—Capitalism: affluence, inequality, and the environment
- 2—Social interactions and economic outcomes
- 3—Public policy for fairness and efficiency
- 4—Work, wellbeing, and scarcity
 5—Institutions, power, and
- inequality

3 Public policy for fairness and efficiency

Introduction

- 3.1 Goals of public policy
- 3.2 Fairness and efficiency in the ultimatum game
- 3.3 Evaluating institutions and outcomes: Is it efficient?
- 3.4 Evaluating institutions and outcomes: Is it fair?
- 3.5 What's wrong with inequality? Procedural and substantive judgements of fairness
- 3.6 Implementing public policies
- 3.7 Unintended consequences: Policies affect preferences
- 3.8 Unintended consequences of a redistributive tax
- 3.9 How do we find out if a policy will work?
- 3.10 Economic models: How to see more by looking at less
- 3.11 Conclusion
- 3.12 Doing Economics: Empirical Project 3
- 3.13 References

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Belinda Archibong, CORE-USA Barnard College, Columbia University

The Econ 101 paradigm is broken - what is the alternative?

Wendy Carlin, UCL and CORE Irish Economic Association Conference 2018 **ESR Guest Lecture** May 2018



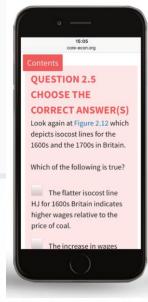




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