CREDIT MARKETS

MPA 612: Economy, Society, and Public Policy March 11, 2019

Fill out your reading report on Learning Suite

PLAN FOR TODAY

Money and time

Barriers to smoothing

Monopoly practice

Capitalism, markets, and public policy

Growth Social dilemmas

Measurement Fairness



Scarcity, power, and inequality

Preferences Institutions Rights



ECONOMY, SOCIETY, AND PUBLIC POLICY

Evaluating and implementing policies

Cost-benefit analysis Experiments

Causal inference Politics



Market failures, governments, and politics

Externalities Public goods Rent seeking Monopolies Government intervention



Economic models

Firms and markets Credit markets

Labor markets Macroeconomics

MONEY AND TIME

What is money?

Something that stores value

Something that can be converted into goods and services

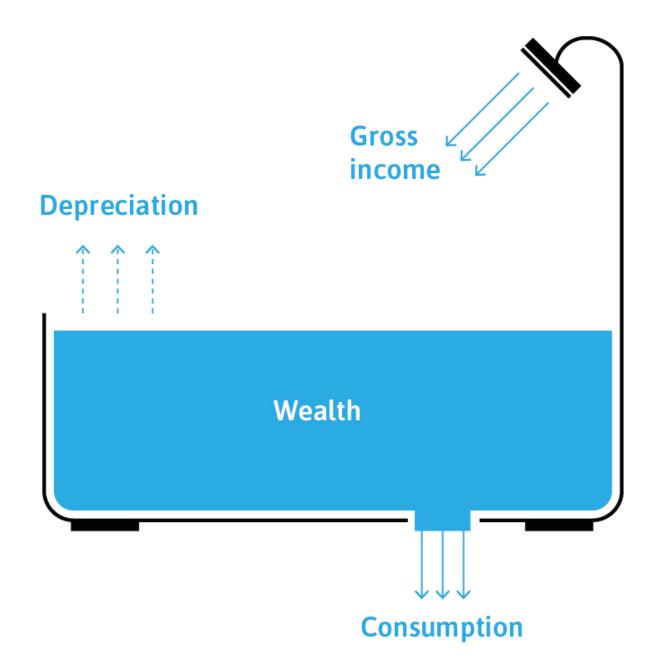
STOCKS AND FLOWS

Wealth Stock

Income Flow

Depreciation Flow

Consumption Flow



UNEVEN FLOWS

What should we do with money when flows aren't steady?

Consumption smoothing



UNEVEN FLOWS

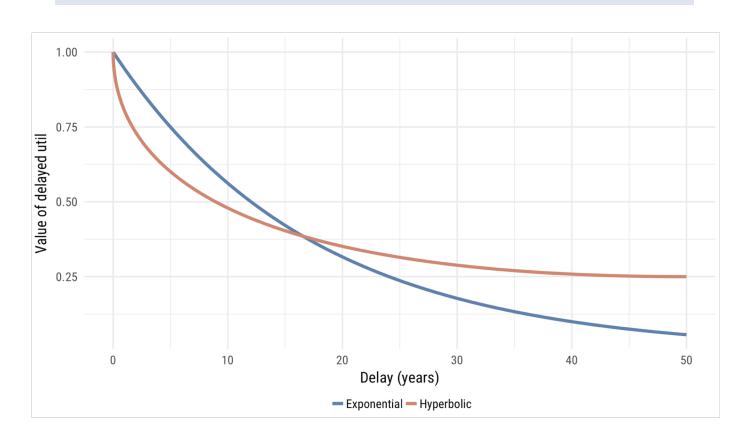
What should we do with money when flows aren't steady?

Consumption smoothing

Why do we like smooth flows?

Hyperbolic discounting

We prefer immediate payoffs more than future payoffs



FIXING UNEVEN FLOWS

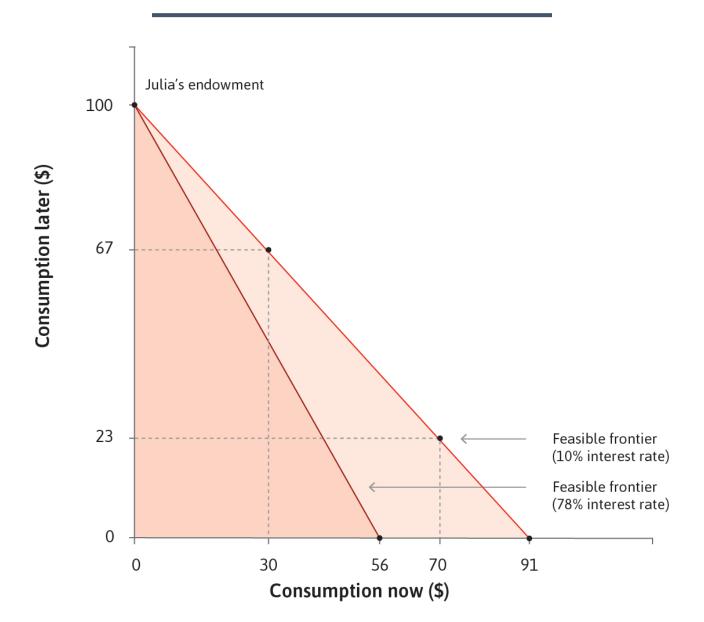
Move future consumption to the present

Credit; borrowing

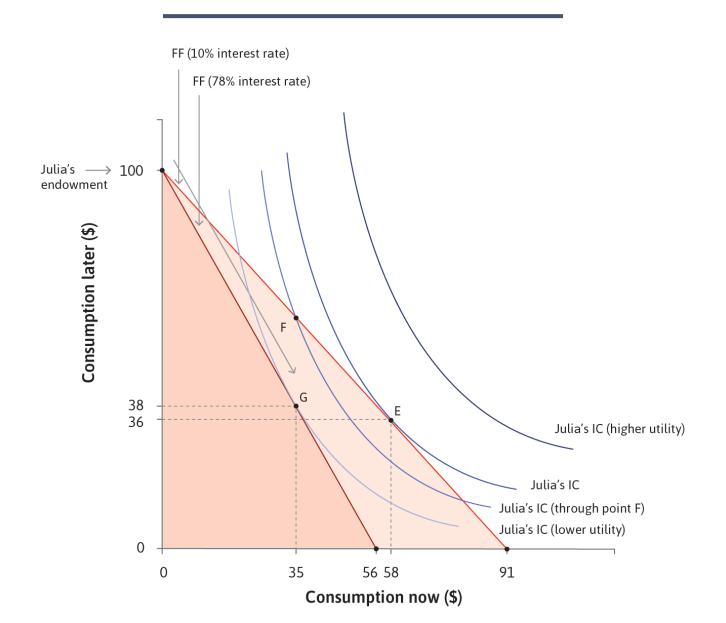
Move present consumption to the future

Saving and investing; storing

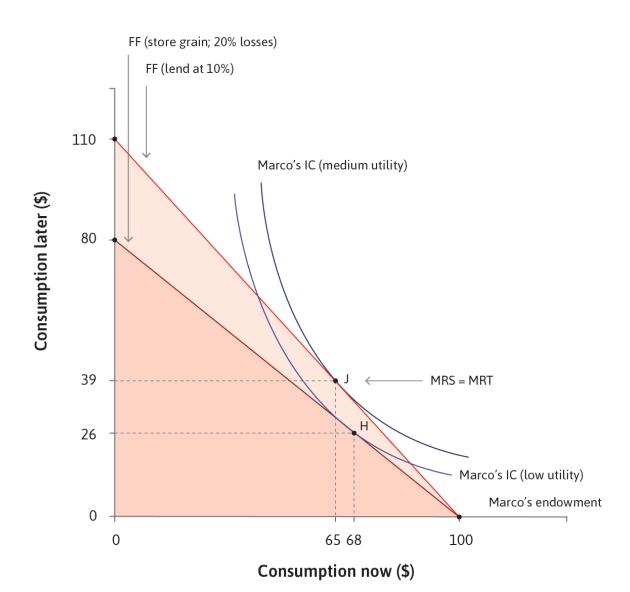
BORROWING



BORROWING



SAVING AND LENDING



Do we save too little?

Do we spend too little?

BARRIERS TO SMOOTHING

BARRIERS TO SMOOTHING

Principal agent problems

Institutional barriers

ASYMMETRIC INFORMATION

Lenders face risk of non-repayment

Adverse selection? Moral hazard?

Equity

Collateral

WEALTH BEGETS WEALTH

Having wealth makes it easy to provide equity and collateral

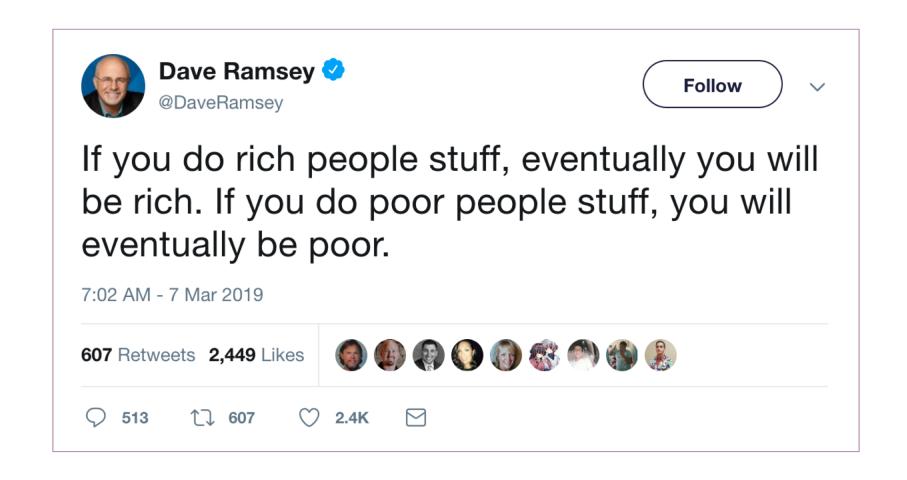
What happens if you don't have enough wealth to provide equity or collateral?

Credit rationing

Credit-constrained

Credit-excluded

Lack of wealth begets lack of wealth



But nope. Causal arrows are backwards





PLANET MONEY

Episode 466: DIY Finance

February 10, 2016 · 6:06 PM ET





DOWNLOAD

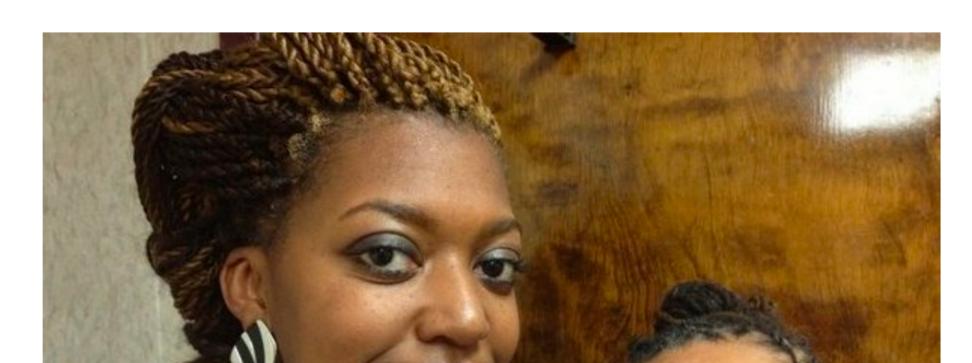
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TRANSCRIPT



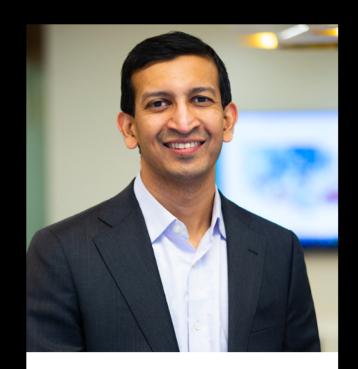






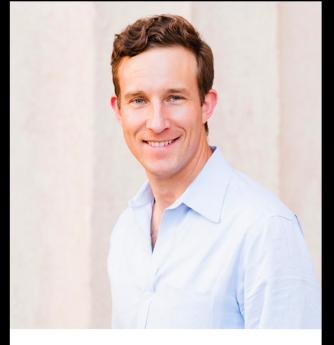
LEADERSHIP

OPPORTUNITY INSIGHTS



Raj ChettyDirector

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John Friedman Co-Director

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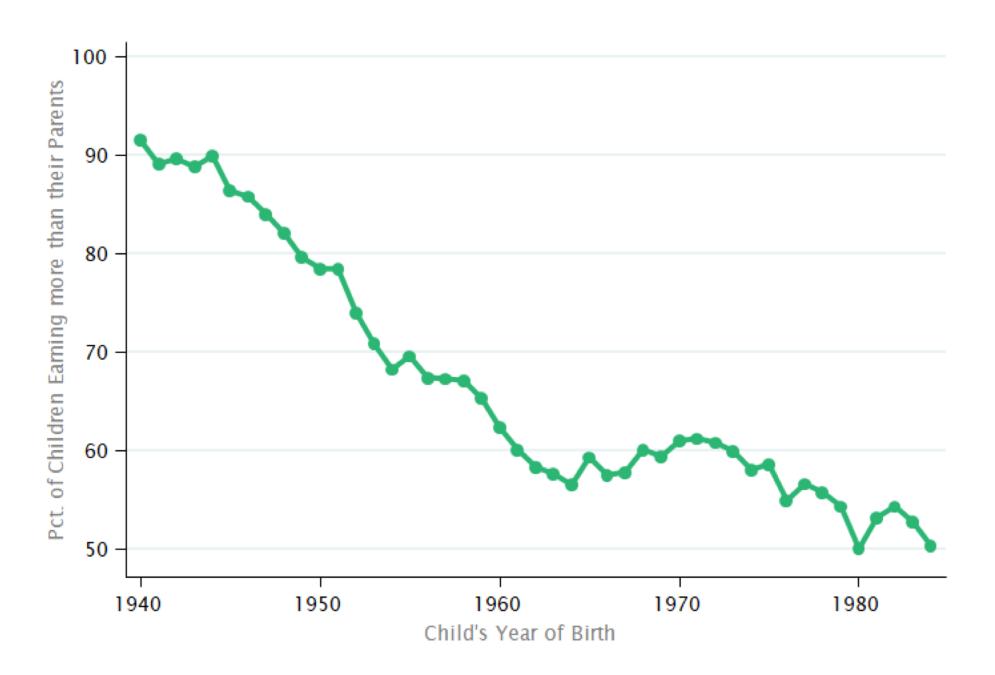


Nathaniel Hendren

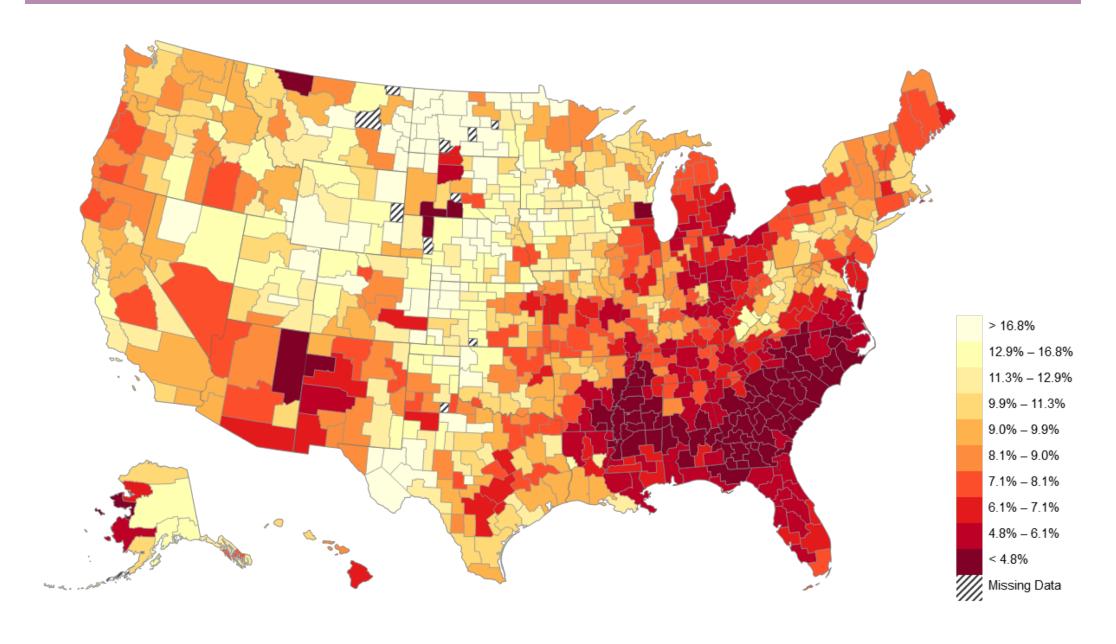
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Percent of Children Earning More than Their Parents, by Year of Birth



Probability of reaching top 20% income if parents are in bottom 20%





BILL CHAPPELL

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Results also vary depending on where children are raised. As their map of metro and rural areas in the U.S. shows, the researchers found large areas where kids had markedly better chances of moving from the bottom fifth of income levels to the top fifth.

The study also found that children who are moved to a better environment get a sharp boost in their chance to reach economic success — and that the earlier such a move takes place, the greater the effect.

Some cities have been able to buck the trend, with researchers citing Salt Lake City and Minneapolis as two places where children have a good chance to emerge from poverty. Such cities tend to share important qualities, the economists say: "lower levels of residential segregation, a larger middle class, stronger families, greater social capital, and higher quality public schools."

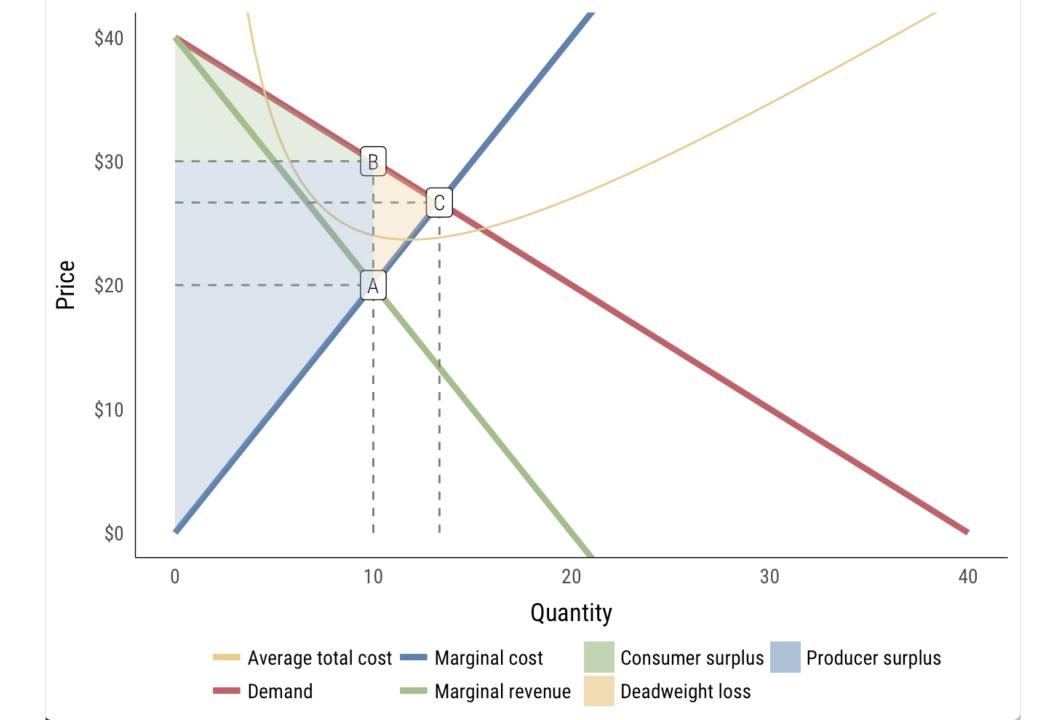
MONOPOLY PRACTICE

Firms should set MR to MC to maximize profit (π)

Under perfect competition, MR is the preexisting price

Market power lets firms use their own MR curve

Monopolies will underproduce and overcharge



THINGS YOU NEED TO FIND

Demand P = -0.25Q + 50

Total revenue (TR) TR = PQ

$$TR = PQ$$

$$TR = (-0.25Q + 50)Q$$

$$TR = -0.25Q^2 + 50Q$$

Marginal revenue (MR) TR = -0.5Q + 50

$$TR = -0.5Q + 50$$

Total cost (TC) $P = 0.1Q^2 + 3Q + 10$

$$P = 0.1Q^2 + 3Q + 10$$

Marginal cost (MC) MC = 0.2Q + 3

SPECIAL POINTS

Maximum revenue MR = 0

Social Q and P MC = Demand

Maximum π MR = MC

Max π for monopolist

Q from max π ; P from demand

ELASTICITY

$$\varepsilon = -\frac{\% \text{ change in demand}}{\% \text{ change in price}} \quad \varepsilon = -\frac{\Delta Q}{\Delta P} \times \frac{P}{Q}$$

Coefficient for P if demand curve is written as Q = aP + b

Demand : P = -2Q + 60

Total cost : $P = 0.25Q^2 + 10Q + 100$

Max revenue Q and P

Social Q and P

Max π Q and P

 ϵ at P = 20 ϵ at P = 5

Producer/consumer surplus & DWL

Demand :
$$P = -\frac{1}{3}Q + 25$$

Total cost :
$$P = 0.1Q^2 + 3Q + 50$$

Max revenue Q and P

Social Q and P

Max π Q and P

 ϵ at P = 20 ϵ at P = 5

Producer/consumer surplus & DWL