The Behavior of Interest Rates BFI Lecture 3.1.

Petar Stankov

petar.stankov@cerge-ei.cz

09 Oct. 2008

Outline

The Demand-Side of the Debt Market

2 Equilibrium on the Debt Market

The interest rate is a price on the debt market.

The interest rate is a price on the debt market. What are the factors influencing the demand for assets, in general:

expected return

- expected return
- risk (the degree of uncertainty)

- expected return
- risk (the degree of uncertainty)
- liquidity

- expected return
- risk (the degree of uncertainty)
- liquidity
- wealth

The interest rate is a price on the debt market. What are the factors influencing the demand for assets, in general:

- expected return
- risk (the degree of uncertainty)
- liquidity
- wealth

How is every one of these factors influencing demand for assets?

The interest rate is a price on the debt market. What are the factors influencing the demand for assets, in general:

- expected return
- risk (the degree of uncertainty)
- liquidity
- wealth

How is every one of these factors influencing demand for assets?

SUMMARY Table 1 Response of the Quantity of an Asset Demanded to Changes in Wealth, Expected Returns, Risk, and Liquidity		
Variable	Change in Variable	Change in Quantity Demanded
Wealth Expected return relative to other assets Risk relative to other assets Liquidity relative to other assets	↑ ↑ ↑	↑ ↑ ↓

The interest rate (IRR) calculation of a discount bond.

The interest rate (IRR) calculation of a discount bond. What was a discount bond?

The interest rate (IRR) calculation of a discount bond. What was a discount bond?

Face Value 950



The interest rate (IRR) calculation of a discount bond. What was a discount bond?





The interest rate (IRR) calculation of a discount bond. What was a discount bond?

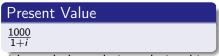
Face Value
950
Solve for i...

Present Value

1000
1+i

The interest rate (IRR) calculation of a discount bond. What was a discount bond?





Solve for i... Now substitute numbers with symbols to derive relationships.

The interest rate (IRR) calculation of a discount bond. What was a discount bond?

Face Value 950 Present Value

 $\frac{1000}{1+i}$

Solve for i... Now substitute numbers with symbols to derive relationships.

$$i = \frac{C - P}{P}$$

The interest rate (IRR) calculation of a discount bond. What was a discount bond?

Face Value 950

Present Value

 $\frac{1000}{1+i}$

Solve for i... Now substitute numbers with symbols to derive relationships.

$$i = \frac{C - P}{P}$$

How does i change with P?

The interest rate (IRR) calculation of a discount bond. What was a discount bond?

Face Value 950 Present Value

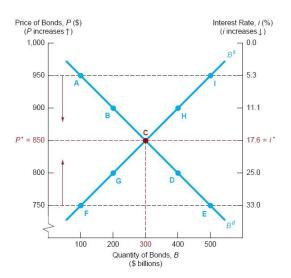
 $\frac{1000}{1+i}$

Solve for i... Now substitute numbers with symbols to derive relationships.

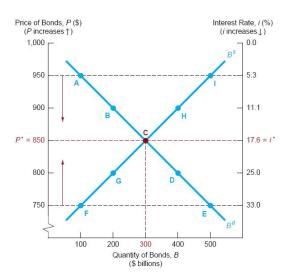
$$i = \frac{C - P}{P}$$

How does i change with P? How does P change with i? The Supply-Side of the Discount Bond Market. Equilibrium.

The Supply-Side of the Discount Bond Market. Equilibrium.

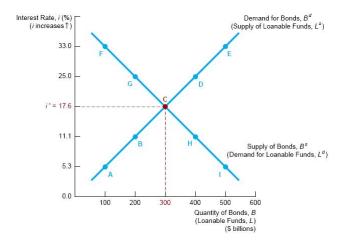


The Supply-Side of the Discount Bond Market. Equilibrium.



09 Oct. 2008

The Loanable Funds Framework for Analyzing Equilibrium



The Loanable Funds Framework for Analyzing Equilibrium

