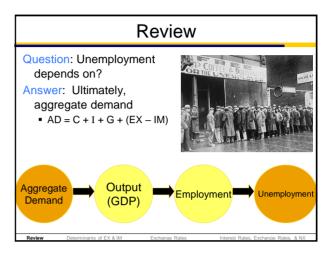
OUTLINE — November 4, 2019

- International Trade
 - Determinants of EX & IM
- International Finance: Exchange Rates
 - Demand & Supply of Foreign Currency
- Interest Rates in an Open Economy

Today's material is not on MT2 (outage adjustment)

Midterm 2 on Wed., Nov 6, 7-8:30 pm Rooms posted on Piazza Same rules as MT1



Determinants of Aggregate Demand

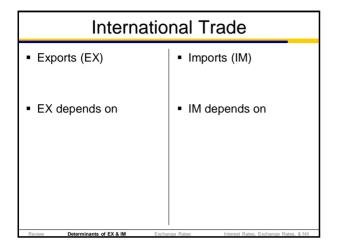
- Consumption spending by households (C)
 - YD, wealth, credit availability, ? i ?, expectations
 - YD changes when TA or TR change
- Investment spending by businesses (I)
 - Interest rates, expected rates of return, credit availability
- Government spending (G, Nov. 6)
 - Direct fiscal policy (G)
- Net exports (EX & IM) today!
 - Exchange rates, health of world economy

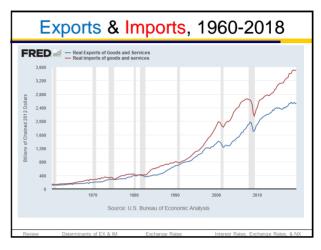
teview Determinants of EX & IM Exchange Rates Interest Rates, Exchange Rates, & NX

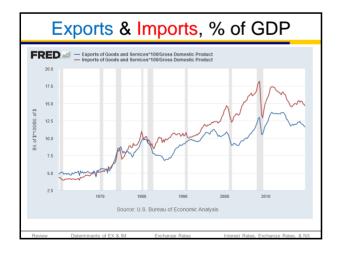
Organizing today's info

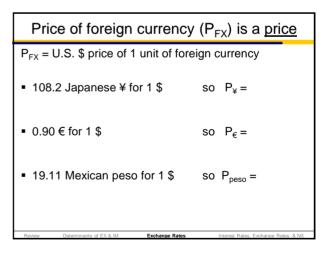
- Three take-aways
 - 1. Using model of D&S to understand exchange rates
 - 2. Interest rates affect exchange rates
 - 3. Exchange rates affect IM & EX
 - And of course remember . . . And then there are multiplier effects

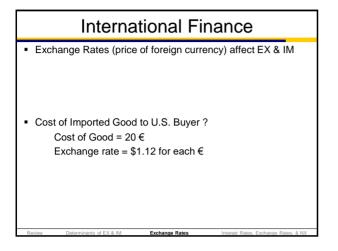
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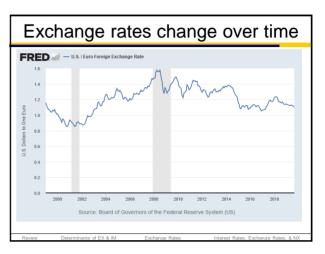


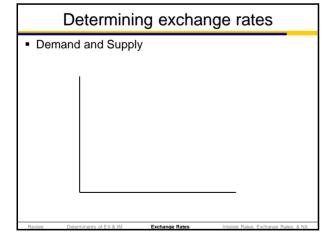


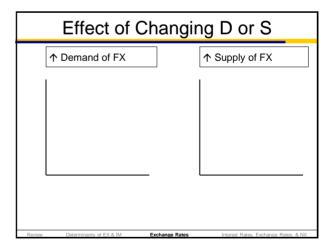












| Terminology | | | | |
|---------------------|-------------------|------------------------|--------------------------|-------------|
| ↑ P _{FX} | | Ψ P _{FX} | | |
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| | | | | |
| Review Determinants | of EX & IM Exchan | ge Rates | Interest Rates, Exchange | Rates. & NX |

| Demand & Supply of Foreign Currency (FX) | | | | |
|--|--|--|--|--|
| • D _{FX} | ■ S _{FX} | | | |
| ■ D _{FX} depends on | ■ S _{FX} depends on | | | |
| | | | | |
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| | | | | |
| | | | | |
| Review Determinants of EX & IM Exchar | nge Rates Interest Rates, Exchange Rates, & NX | | | |

■ Put yourself in shoes of lenders (wealth-holders) when thinking about interest rates & exchange rates ■ Interest rates ■ For borrower: cost of borrowing ■ For lender: return from lending ■ Higher interest rates ■ Deter borrowers (more costly borrowing) ■ Entice lenders (higher return from lending)

| Interest rates affect P _{FX} | | | | |
|---|----------------|--------------------------------------|--|--|
| Suppose interest ra Europe) | | 177 | | |
| Review Determinants of EX & IM | Exchange Rates | Interest Rates, Exchange Rates, & NX | | |

| and P _{FX} affect EX & IM | | | | | |
|------------------------------------|-------------------------|----------------|--------------------------------------|--|--|
| • ↓ P | r _X → | | | | |
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| Review | Determinants of EX & IM | Exchange Rates | Interest Rates, Exchange Rates, & NX | | |

Interest Rates in Open Economy Suppose ↓ interest rates in U.S. [Closed economy]: ↑ I [Open economy]: Also ↑ NX [1] Effects reinforce each other [2] You should be able to explain "Why?"