PubPol/Econ 541

Class 5

Exchange Rates

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Pause for News

News

- Trump on currency use:
 - "Many countries are leaving the dollar. You're not going to leave the dollar with me. I'll say, 'You leave the dollar, you're not doing business with the United States, because we're going to put 100 percent tariff on your goods, sir. We would like very much to get back to the dollar immediately. Thank you very much.' It's so easy."
 - Quoted in NYT by Krugman from Sep 7 Trump rally.

Quiz 2

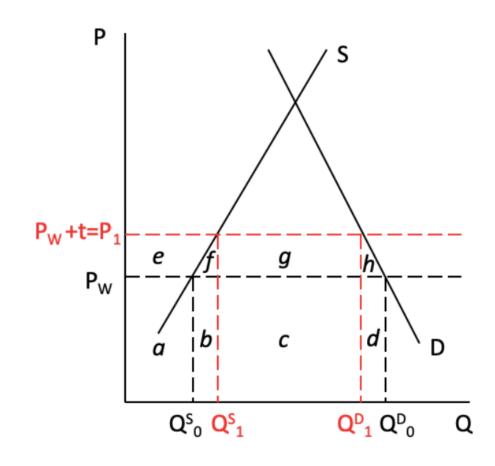
• Quiz results:

Mean	7.66	7.83
Median	7.5	8
Max	10	9
Min	5	6
Standard deviation	1.37	0.85

Quiz 2

Question 9:

- Suppliers' revenue = price times quantity,
 PQ.
- Change due to tariff is e+f+b
- Almost all answered just e, which is the change in producer surplus, or profit, not revenue.



Outline

- Exchange markets: What they are
- Supply and Demand
- Two Simple Theories
- Pegged Exchange Rates

Exchange Market

- Exchange rate is
 - Price of one currency in terms of another
 - E.g., \$/£ or £/\$

Representative Exchange Rates for Selected Download this file **Currencies**

TSV -- TSV tips

Last update: August 19, 2024, 14:08:11 ET

Exchange Rate Archives

Representative Exchange Rates			
Currency	Note	Value as of August 19, 2024	
Chinese yuan		7.14080000	
Euro	(1)	1.10410000	
Japanese yen		147.86000000	
U.K. pound	(1)	1.29495000	
U.S. dollar		1.00000000	

Notes:

These representative exchange rates, which are reported to the Fund by the issuing central bank, are expressed in terms of currency units per U.S. dollar, except for those indicated by

(1) which are in terms of U.S. dollars per currency unit.

Pause for Discussion

Questions on KOM, Ch 14

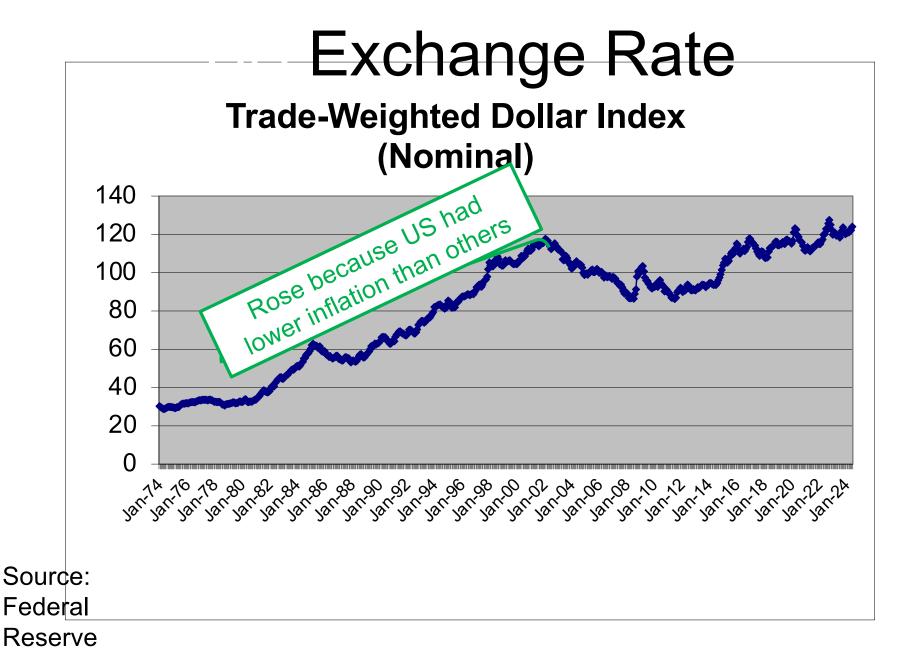
- Is an exchange rate the price of one country's goods in terms of another's, or the price of one country's assets in terms of another's?
- On what transactions are reported rates based?
- What hours of the day are the exchange markets open?

Exchange Market

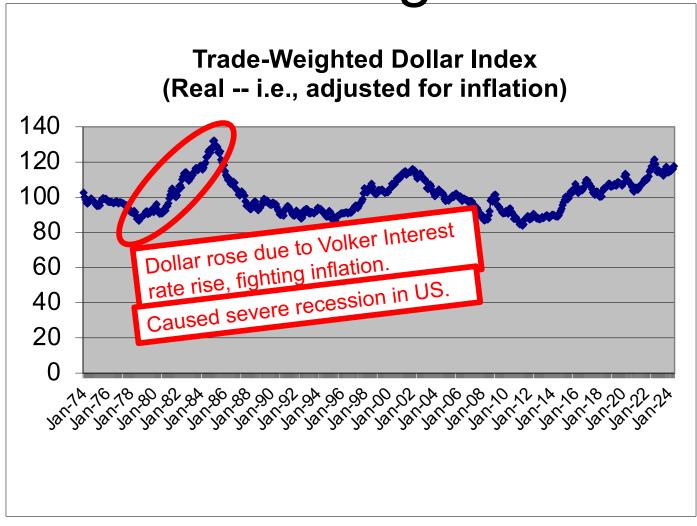
- Types of exchange rate
 - Spot
 - For exchange of currencies today
 - Forward
 - Contracts for exchange of currencies 30, 60, 90 etc. days from the present
 - Both payment and receipt happen then, not now
 - Futures
 - Like forward market, but for specific calendar dates in future

Exchange Market

- Types of exchange rate, continued
 - Bilateral
 - For exchange of 2 currencies
 - Trade weighted
 - For one currency relative to multiple others
 - An average, or index
 - Real
 - Adjusted for inflation, both at home and abroad



Exchange Rate



Source: Federal Reserve

Exchange Market

- Who uses the exchange market
 - Traders in both goods and services
 - Also travelers (but that's trade)
 - International borrowing, lending, and asset trade
 - Speculators
 - Buyers or sellers who hope to profit from future exchange-rate change
 - Hedgers
 - Arbitragers

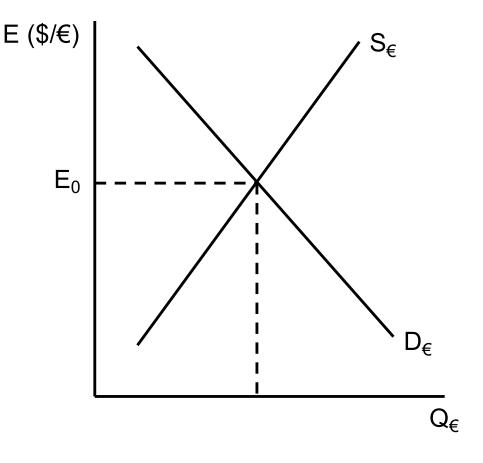
Pause for Discussion

More Questions from KOM

- What is "arbitrage" in the foreign exchange market?
- What is "hedging" in the foreign exchange market?
- What role does the US dollar play in international finance?

Supply and Demand for Foreign Exchange

Market Model:



Questions:

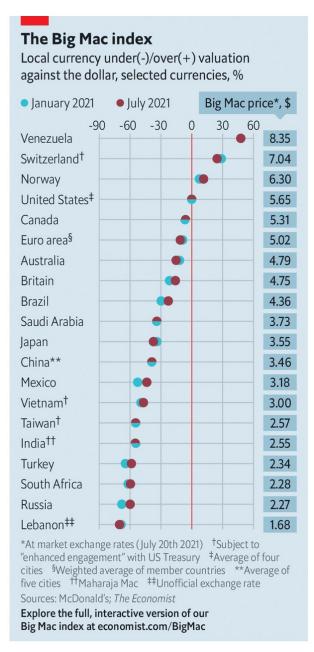
- Who demands
 - €?
- Who supplies €?

Exchange Market

- Traders respond to
 - Prices of goods
 - Rise in home prices causes currency to fall
- Capital movements respond to
 - Interest rates
 - Rise in home interest rate causes currency to rise
 - Expectations
 - Expectation of any change causes that change

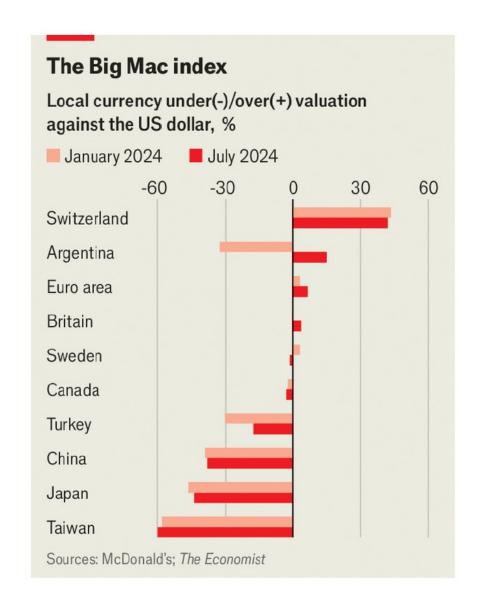
Two Simple Theories

- Asset Theory
 - Simple: E is whatever it is expected to be
 - If it were not, its expected change would drive capital flows that would swamp the market
 - Works best in short run (but not useful)
- PPP = Purchasing Power Parity
 - Exchange rate reflects the prices of goods
 - See Big Mac Index
 - Works best in long run



From July 2021

Class 5: Exchange Rates



From August 2024

Class 5: Exchange Rates

Pause for Discussion

Questions on Economist, "Big Mac index"

- On what basis does this article rank countries?
- Why does this article focus on the Vietnamese currency, the dong?
- What criteria does the US Treasury use to identify an undervalued currency?
- Is Vietnam's poverty relevant to this?

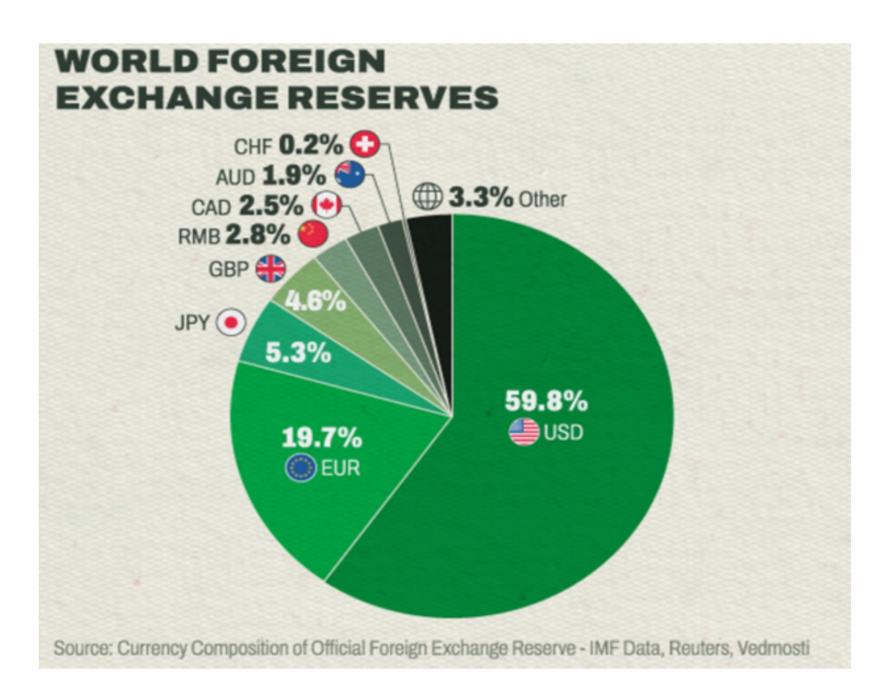
Questions on Economist, "Burgernomics"

- Why is the Big Mac hamburger a good choice to measuring PPP, if one needs to do it with only a single good?
- What currencies are most under- and over-valued among those reported here?
- Why has Argentina's position changed so much since January?
- Is this a good measure of PPP? What would be better, and why not use it?

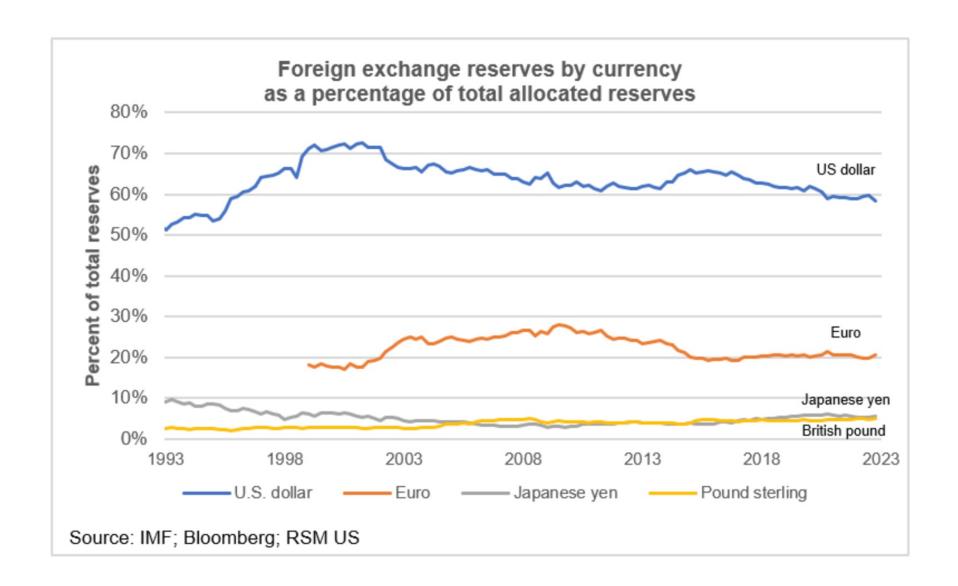
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Pegged Exchange Rates

- Bretton-Woods System
 - Successor to the Gold Standard
 - Most currencies pegged to US \$
- How to peg
 - Need "reserves" of foreign currency
 - Use them to buy or sell own currency as needed
- Does it work? Yes and no



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Pause for Discussion

Questions on Economist, "...Bretton Woods..."

- What names and characteristics describe the three international monetary regimes that the *Economist* article describes, the last of which may be coming to an end?
- Why did the world not shift to using dollars, euros, and renminbi more equally for transactions and reserves?
- Why is currency stability so hard to achieve?

Questions on McDougall, "US Dollar to Maintain..."

- Why do central banks hold foreigncurrency reserves?
- Has holding of US dollar reserves by central banks declined over time, and what is expected in the near and farther future?
- Who is mentioned as wanting reduced reliance on the dollar?
- What currency is most likely to expand being held?

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Questions on Eichengreen, "The fate of dollar ..."

- How did Biden's policies in his first term effect the dollar, and why?
- What does the author expect from a second Biden term?
- How did Trump's election effect the dollar in 2016?
- Why might the dollar rise in a Trump second term?
- Why might the dollar fall in a Trump second term?

Some Recent Exchange Rate Movements

- Most from X-rates.com
- Most are US \$ per country currency
- Showing
 - Major currencies last year and this
 - This year only for currencies of current students in the course
- If you have comments on yours, I'd welcome them

Recent Rate Movements: Euro

Last Year:

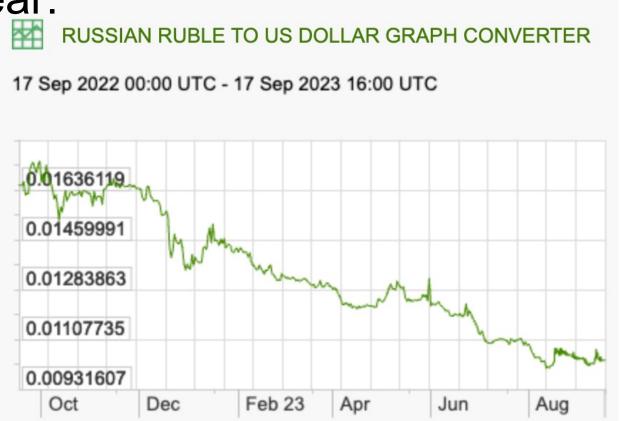


Recent Rate Movements: Euro

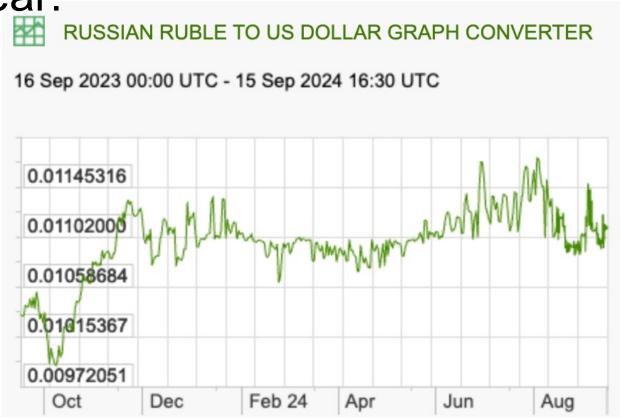


Recent Rate Movements: Russia

Last Year:

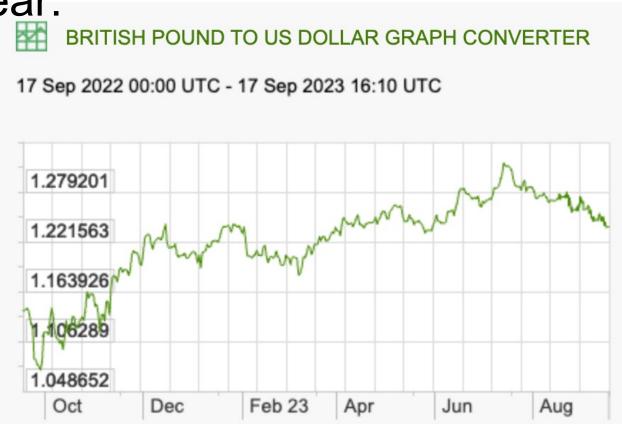


Recent Rate Movements: Russia

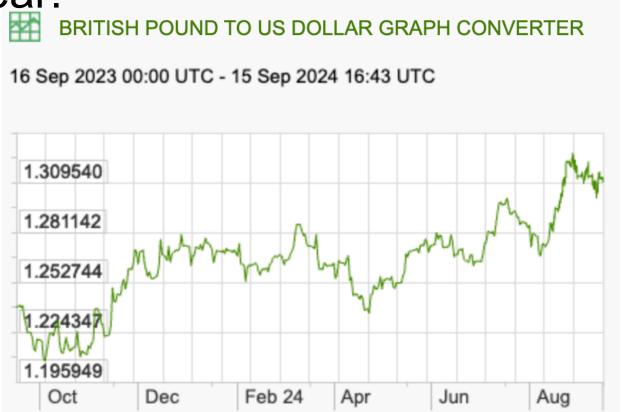


Recent Rate Movements: UK

Last Year:



Recent Rate Movements: UK



Recent Rate Movements: China

Last Year:



Source: X-rates.com Class 5: Exchange Rates

Recent Rate Movements: China

This Year:



Source: X-rates.com

Recent Rate Movements: Japan

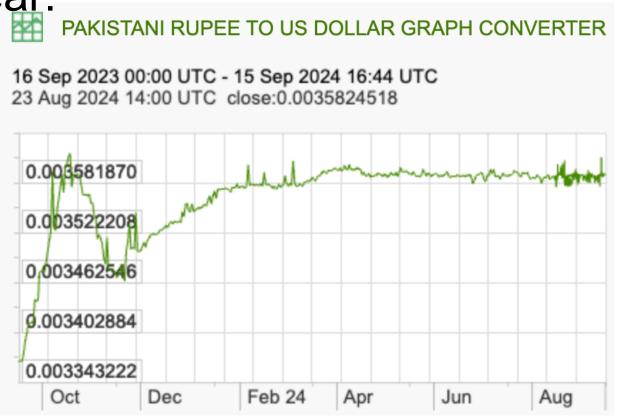
Last Year:



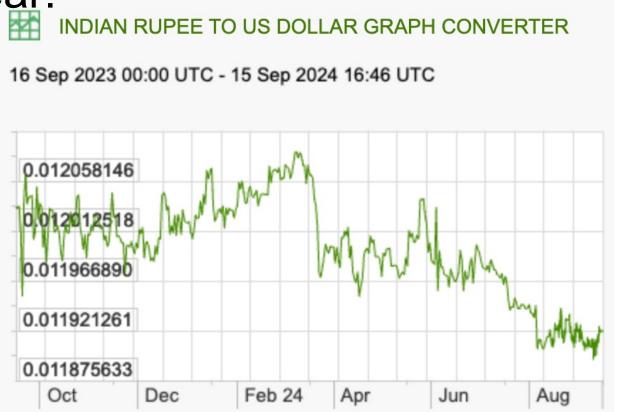
Recent Rate Movements: Japan



Recent Rate Movements: Pakistan



Recent Rate Movements: India



Recent Rate Movements: Taiwan This Year:



Recent Rate Movements: Uzbekistan This Year:



Note: This is Som/\$, not \$/Som

Source: Trading Economics

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