

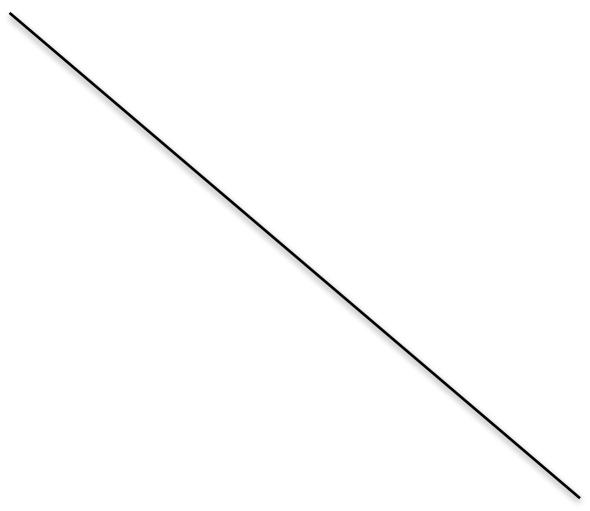
To calculate the amount of liquid balances (cash and deposits) needed for the entire U.S. economy, we need to know:

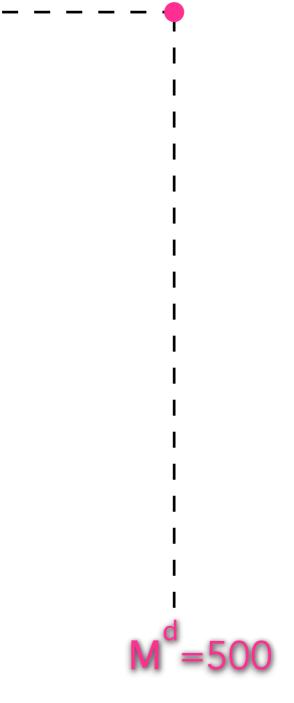
The prices of all that is purchased and

The total number of units purchased

For prices we will use the CPI

For quantity we will use real GDP







This line represents the need for liquid balances for a given price level (P_0) and a given GDP_0



































































































































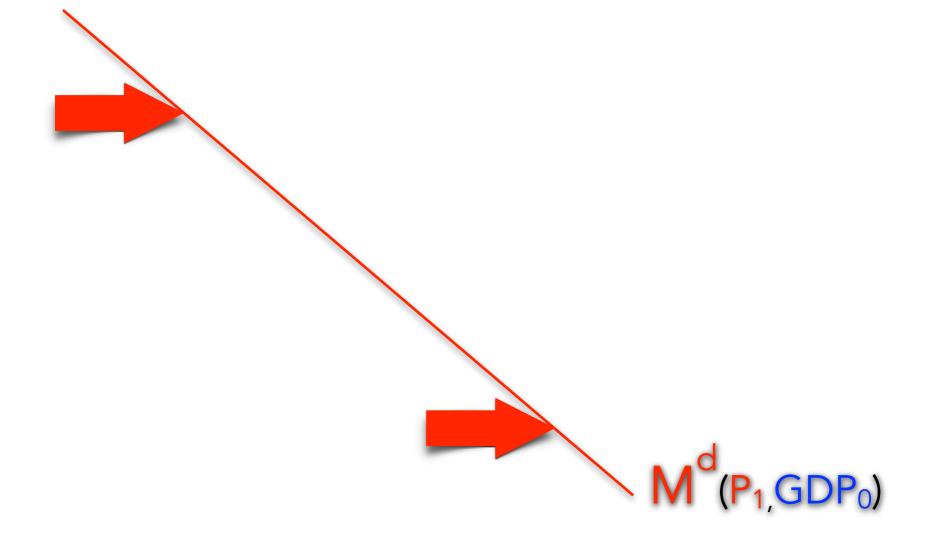




For all interest rates, the demand for liquid balances will be higher











































































































































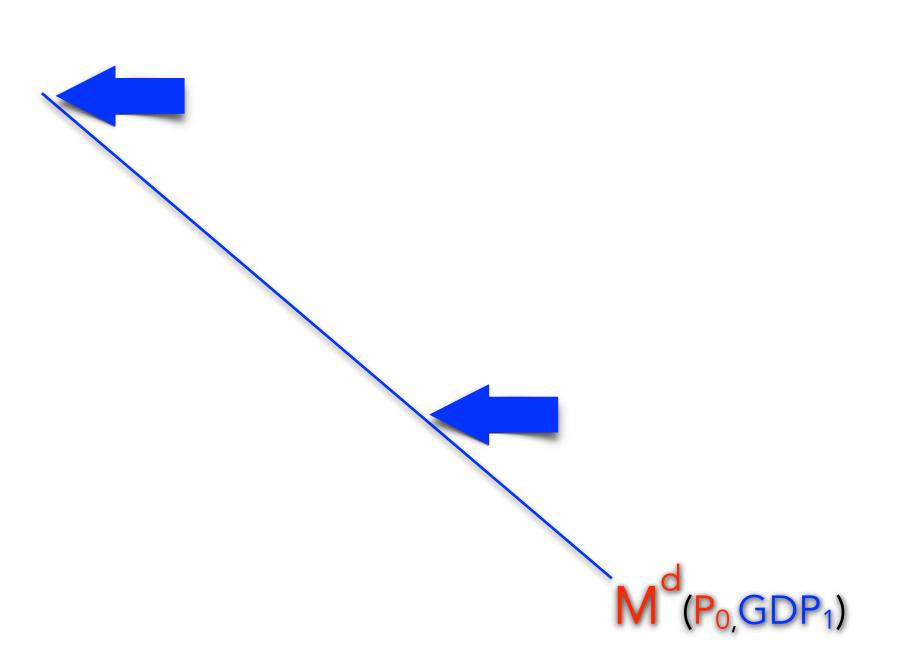






For all interest rates, the demand for liquid balances will be lower





How much money is needed for transactions?

If lunch is more expensive: price is \$20/lunch, then I need to have 7x20 = \$140 in cash or check

If I buy lunch only 5 days a week, then I only need to have $5 \times 15 = 75 in cash or check

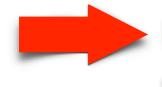
If prices increase (inflation) the public will need larger liquid balances

If GDP decrease (fewer transactions) the public will need lower liquid balances

How much money is needed for

If prices increase (inflation) the public will need larger liquid balances

transactions?



For all interest rates, the demand for liquid balances will be higher

A rightward shift in the Demand for Money

If GDP decrease (fewer transactions) the public will need lower liquid balances

For all interest rates, the demand for liquid balances will be lower

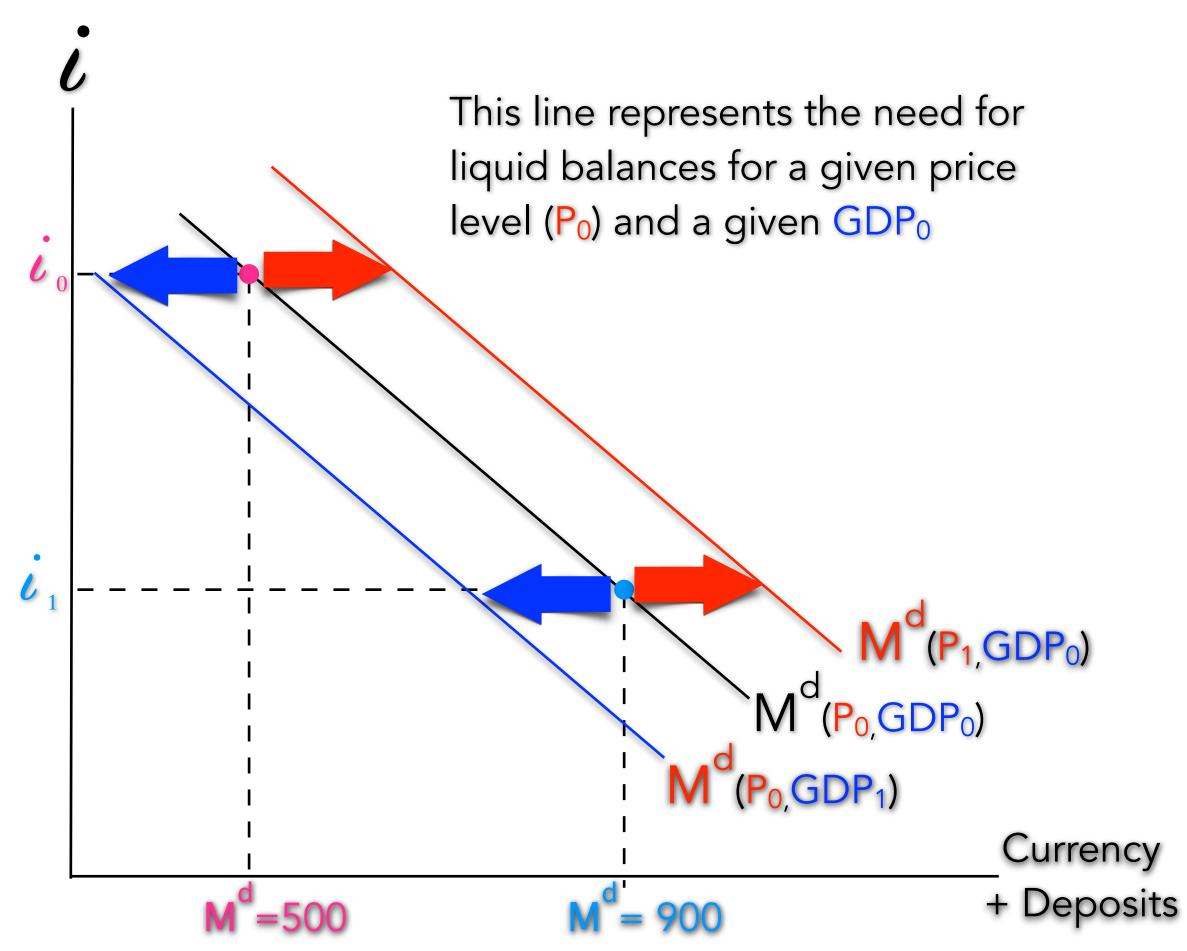


To calculate the amount of liquid balances (cash and deposits) needed for the entire U.S. economy, we need to know:

- The prices of all that is purchased and
- The total number of units purchased

For prices we will use the CPI

For quantity we will use real GDP



Understanding the Supply and Demand for Money

