

Why the Phillips Curve

$$LS^{SR} = \Phi(\eta - \eta_e)$$

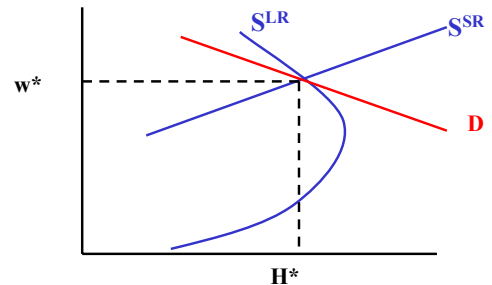
Conclusion

- No Long Run Phillips Curve
- Apparently a Short Run Phillips Curve, when inflation rate differs from expected rate.

Our Task

- How do we Explain these findings?
- And how do we incorporate them into the model?

Long Run and Short Run LS

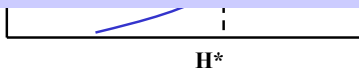


Long Run and Short Run LS

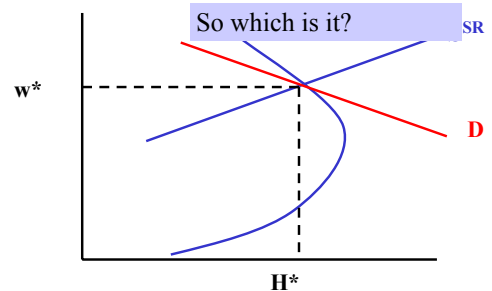
You are currently making \$10 an hour, ^{SR} and are suddenly offered \$15 an hour. ^D

^{w'} If it is a temporary wage increase, move along the short run LS curve. ^D

If it is simply due to inflation, ignore it.



Long Run and Short Run LS



Imperfect Information

$$\Delta w_R = \omega \Delta w$$

$$0 \leq \omega \leq 1$$

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History will be the guide to the value of ω .

Imperfect Information

If you expect a lot of variability in inflation rates and little variability in real wage rates, set ω very low

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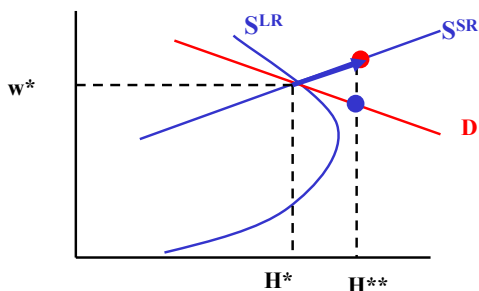
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Imperfect Information

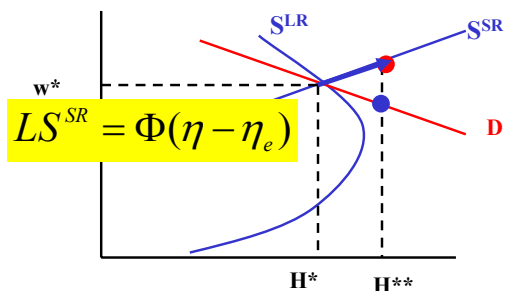
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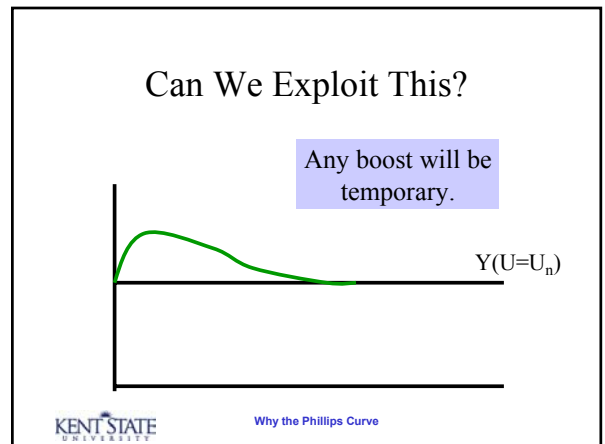
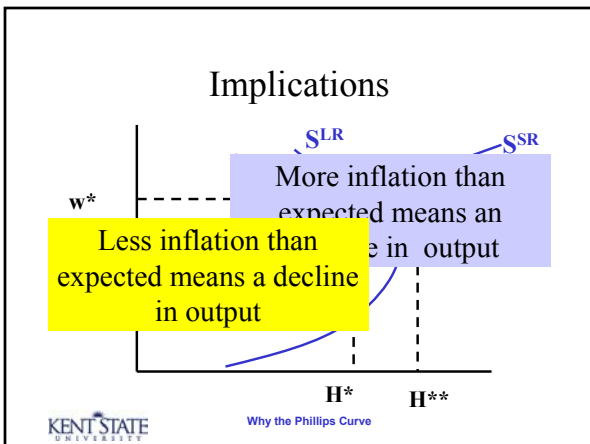
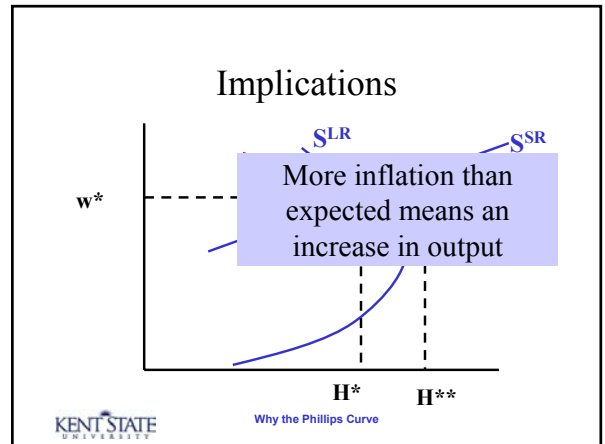
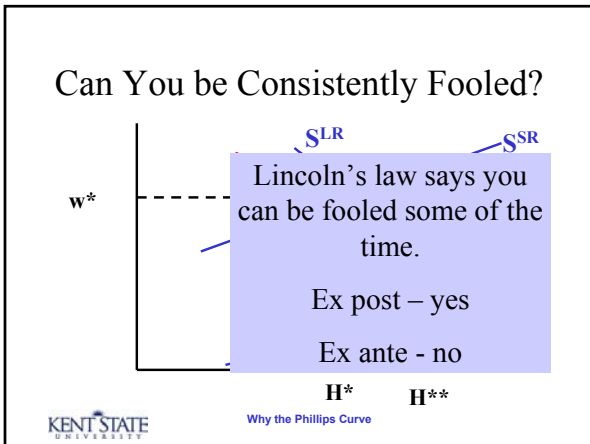
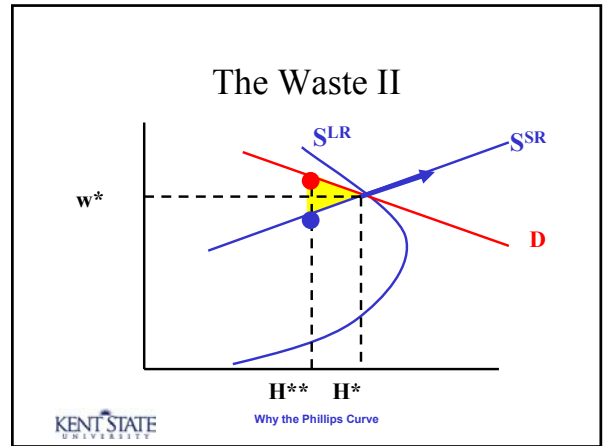
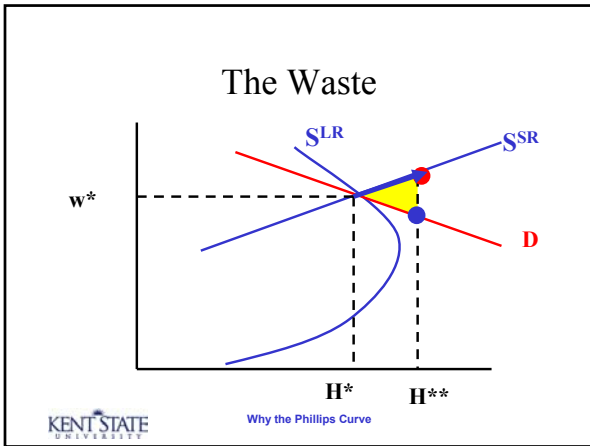
If you expect little variability in inflation rates but a lot of variability in real wage rates, set ω high

The Response

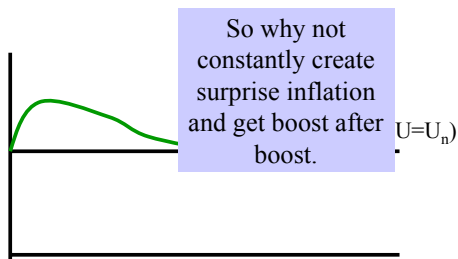


The Equation

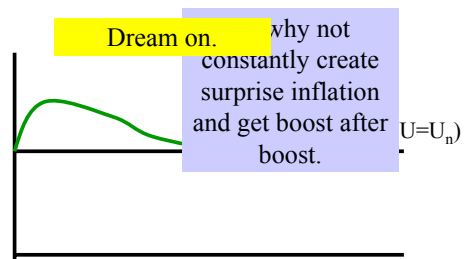




Can We Exploit This?



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Can We Mismanage This

- In Pleasantville, the inflation rate is always as expected. Information is always perfect

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Can We Mismanage This

- In Pleasantville, the inflation rate is always as expected. Information is always perfect
- In Mudville, monetary policies are quixotic, and the inflation rate is highly uncertain.
 - A lot of business cycles due to a lot of imperfect information.

Can We Mismatch This

- In F as e
 - In M and
- Moral: Mudville should do a better job of monetary policy so as to reduce inflationary surprises.**
- always perfect
quixotic, tain.

An Important Caveat

- We tell the story in terms of workers getting surprised.
- We could just as well tell it from the perspective of firms getting surprised.

An Important Caveat

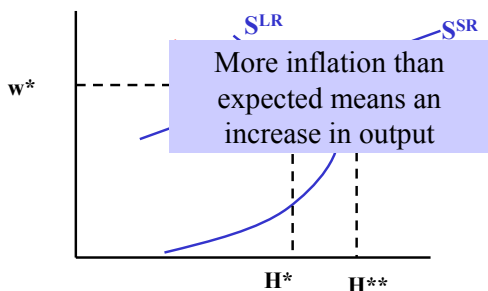
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Surprising Firms

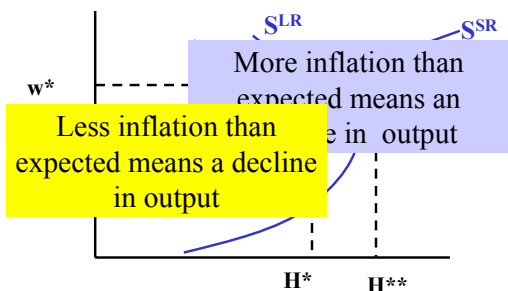
- You are selling your product for \$10 but the price jumps to \$15.
- So which is it?**
- If it is a price jump, take advantage of it.
 - If it is simply due to inflation, ignore it.

H*

Implications



Implications



End

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