

Rational Inattention, Misallocation, and Asset Prices

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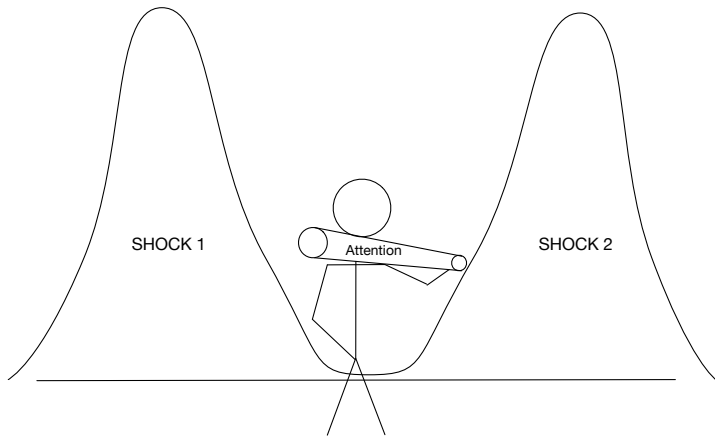
Discussion by Savitar Sundaresan
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June 3, 2018

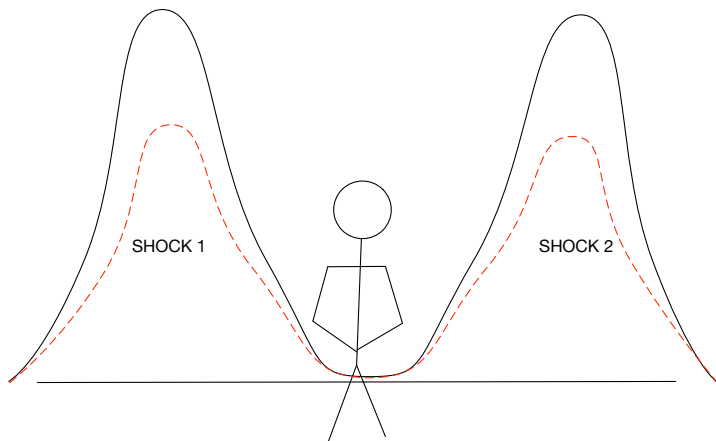
Motivation

- What drives sectoral comovement and investment decisions?
- Can intuitive results come from using rational inattention?

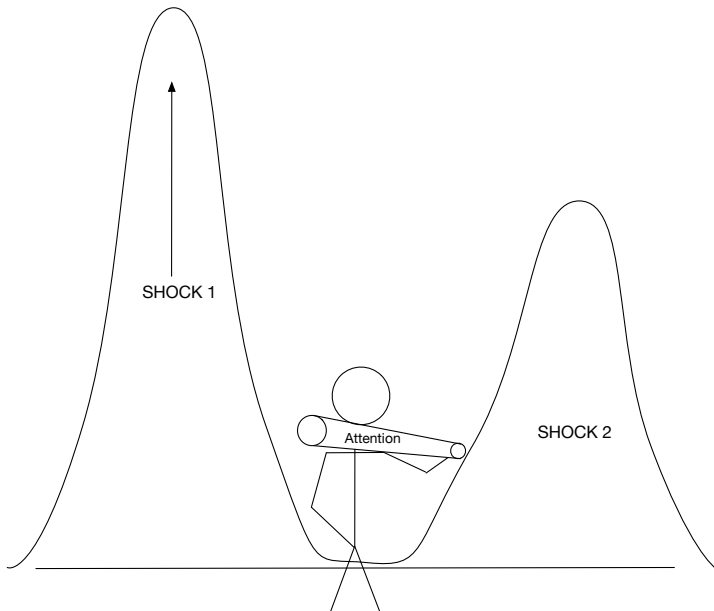
Modeling - Attentional Whack-A-Mole



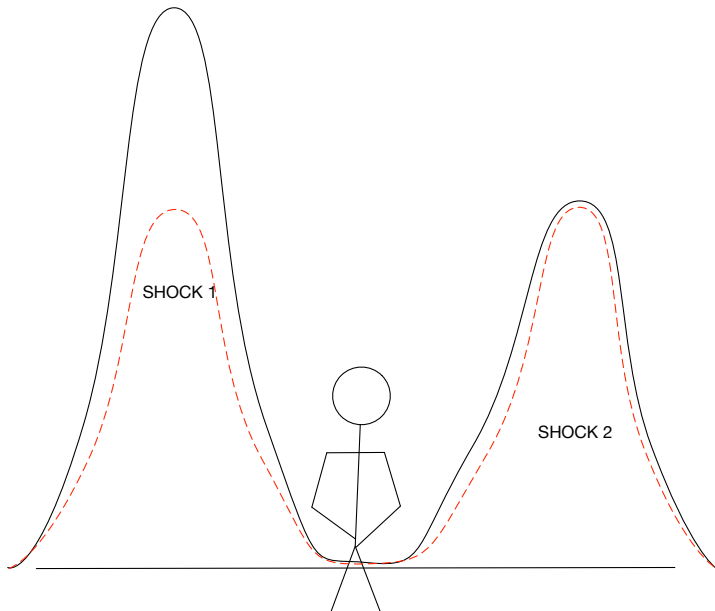
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Contribution

- This has been used (fruitfully) before!
 - Mondria and Quintana-Domeque (2012) - Contagion
 - Kaceperczyk, Nosal and Stevens (2016) - Financial Investing
- So what's new?

Contribution

- This has been used (fruitfully) before!
 - Mondria and Quintana-Domeque (2012) - Contagion
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- So what's new? One variable is aggregate; one idiosyncratic.
 - More attention to aggregate increases comovement, decreases dispersion.
 - More attention to idiosyncratic decreases comovement, increases dispersion.
 - Welfare implications due to real effects.

Stuff I Like

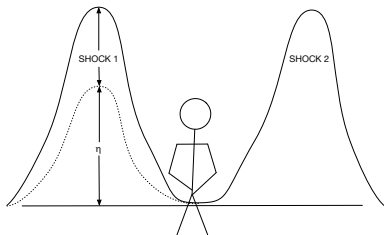
- Cool application to aggregate vs idiosyncratic tradeoff.
- Intuitive ties to comovement and dispersion results.

Comment 1 - What's up with η ?

- What does it represent?
 - Noise shock?
 - Confidence Shock?
 - Commonality in Information?
- Exogenous wedge slows aggregate learning.
- Crucial for beta results, as well as relative comovements.
- Public information model? More costly aggregate info?

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Comment 2 - What is a recession? Cyclicity?

- Assumption: Recessions have high aggregate uncertainty.
- Result: Aggregate uncertainty is countercyclical.
- Aggregate shock's variance spikes
 - ⇒ agents turn attention towards aggregate shock
 - ⇒ aggregate uncertainty declines.

Comment 2 - What is a recession? Cyclicity?

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But by how much?

- If it declines unconditionally, then aggregate uncertainty (net) decreases, so comovement (net) increases.
- If it declines conditionally, then aggregate uncertainty (net) increases, so comovement (net) decreases.

Comment 3 - Marginal Cost

- Keeping capacity fixed alters *relative* effects of shock variance.
- Under marginal cost, Theorem 5 says results are the same.
- But this implies the *absolute* effects are the same!
- Very surprising result - needs a lot more discussion.

Comment 4 - How do you think about firms vs sectors?

- In the model, agents are firms.
- Empirically, agents are sectors.
- Empirical tie is tenuous: signal acquisition is entropy reduction.
- Plausible for firms, less so for sectors.

Comment 5 - How necessary is the idiosyncratic shock?

- Comovement results come only from aggregate shock.
- Isolate the idiosyncratic to show importance.
- Characterize reaction to idiosyncratic shock if aggregate is fixed.

Conclusion

- Interesting and intuitive modeling implementation.
- Connection to real sector with aggregate/idiosyncratic split works.