ntro Papers

Macro Financial Modeling Intro

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Schedule to the end

Day	Time	Description
Today	8-10am	Nonlinear Opt
	10am-noon	MFM Intro
	noon-1:30pm	RA jobs
Mon	8-10am	Nonlinear Opt
	10am-noon	MFM model
Tue	8am-noon	HPC/Parallel
Wed	8-10am	Nonlinear Opt
	10am-noon	MFM model
Thur	8am-noon	HPC/Parallel
Fri	10-11am	Survey fill out
	11am-noon	concluding remarks

Macro Financial Modeling

Definition:

"Macro-finance studies the relationship between asset prices and economic fluctuations." (John Cochrane, "Macro-Finance", Review of Finance, 21:3, pp. 945-985, May, 2017) [RoF blog post summary]

MFM characteristics

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Characteristics	Research questions	
Macroeconomic, dynamic, GE	Connect bus. cycle and financial sector	
Endog asset prices (risky v. riskless)	Equity premium, risk aversion	
Aggr. shocks/risk, incomplete markets	Firm regulation/capital requirements	
Firm/household heterogeneity	House prices and recessions	
Financial capital requirements	Yield curve and recessions	
	Default, bailouts, bankruptcy	

Cochrane piece

- John Cochrane, "Macro-Finance", Review of Finance, 21:3, pp. 945-985, May, 2017)
 - RoF blog post summary
- Key mechanisms:
 - Habits, persistence: Epstein-Zin prefs, minimum consumption
 - Long-run risk, rare disasters
 - Idiosyncratic risk
 - Heterogeneous preferences
 - Intermediary asset pricing/borrowing constraints
 - Investor irrationality and belief heterogeneity

Brunnermeier reading list and BFI

- Brunnermeier Macro-finance reading list
- BFI Macro Financial Modeling Initiative
 - starting repository of macro-finance models

4 papers

- Richard W. Evans, Laurence J. Kotlikoff, and Kerk L. Phillips, "Game Over: Simulating Unsustainable Fiscal Policy," Fiscal Policy After the Financial Crisis, eds. Alberto Alesina and Francesco Giavazzi, National Bureau of Economic Research, University of Chicago Press (2013).
- Richard W. Evans and Scott Condie, "Bailouts and Regulation" (2011).
- Markus K. Brunnermeier and Yulih Sannikov, "A Macroeconomic Model with a Financial Sector," American Economic Review, 104:2, pp. 379-421 (2014).
- Viktor Tsyrennikov, Discrete time version of Brunnermeier-Sannikov (2014)
 - See also Rappaport and Walsh, "A Discrete-time Macroeconomic Model with a Financial Sector," (2012).