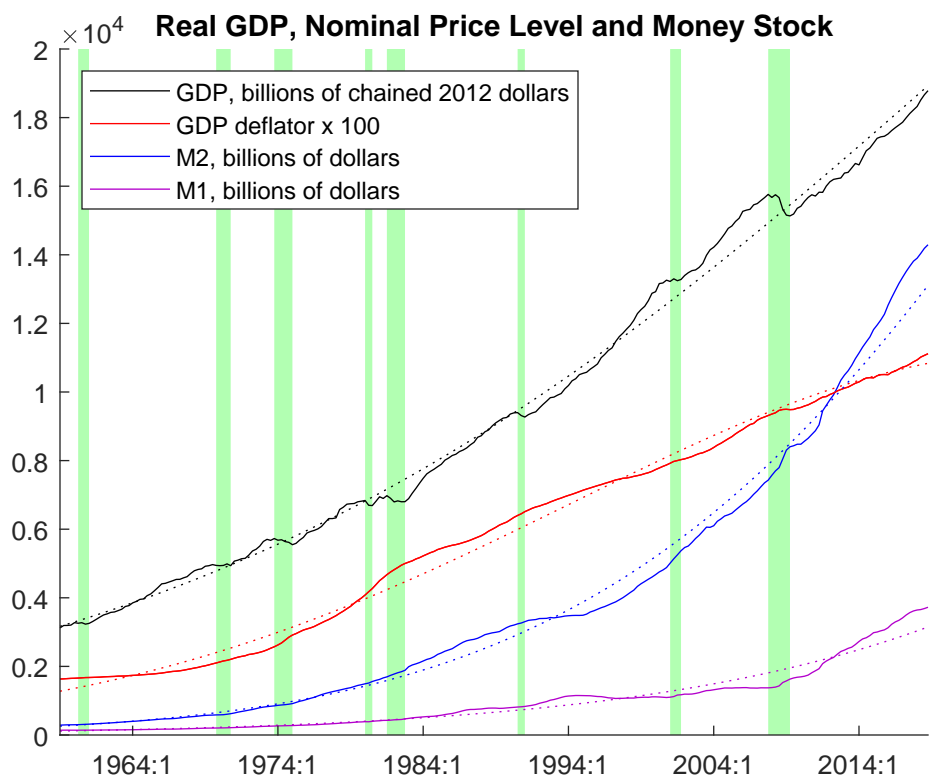


Lecture Slides 4

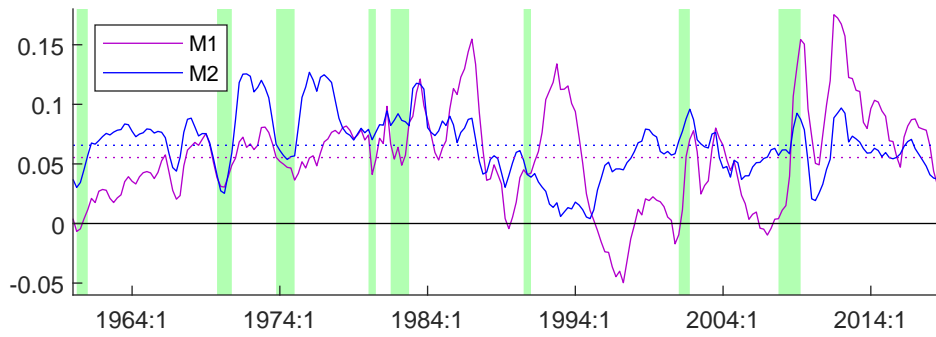
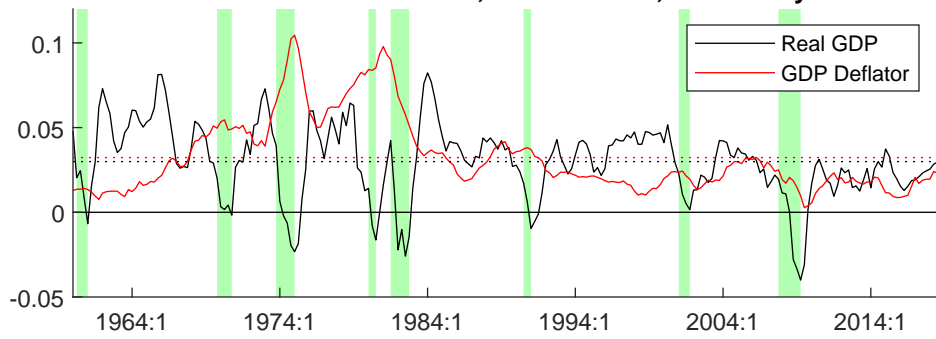
Economics 210C – Macroeconomics

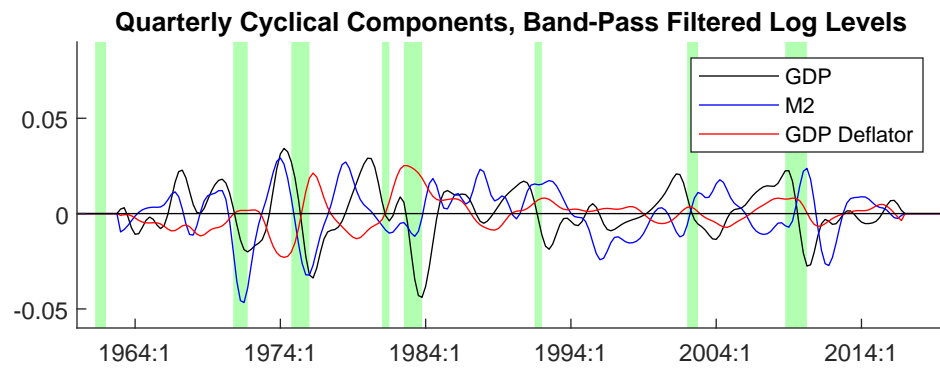
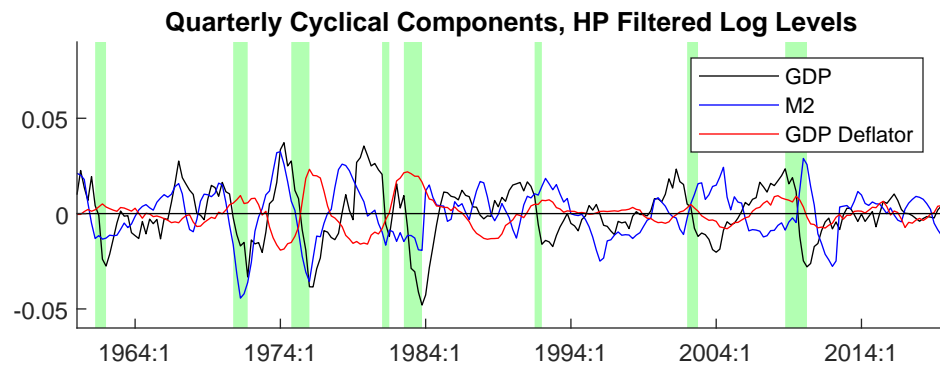
Spring 2019

Prof. Garey Ramey - UCSD



Annual Growth Rates of GDP, GDP Deflator, and Money Stocks



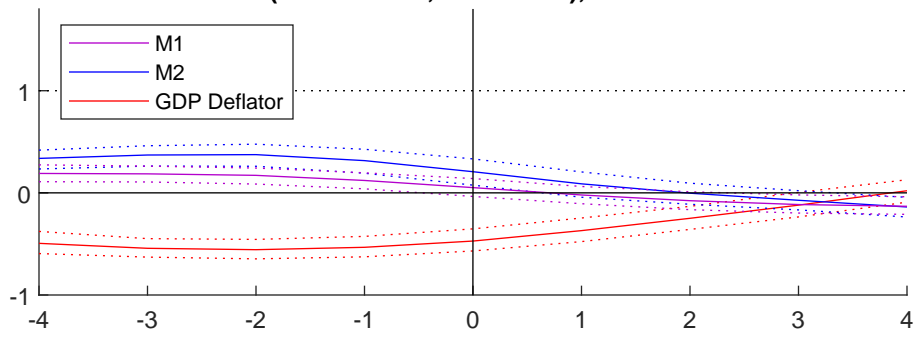


Standard Deviations of Quarterly Cyclical Components

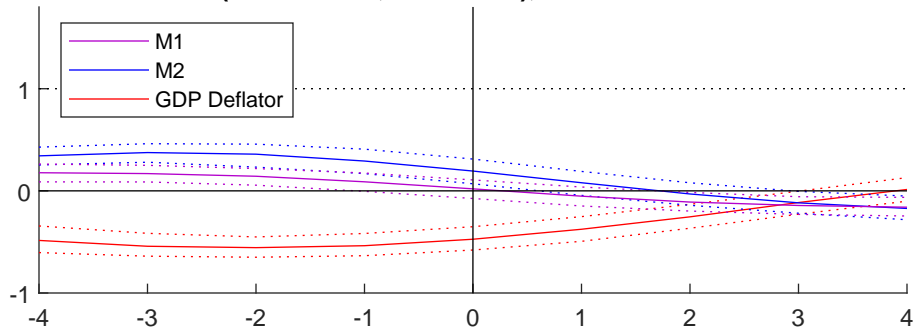
	GDP	M2	GDP Defl.
First Diff.	0.0082	0.0082	0.0058
HP Filtered	0.0145	0.0131	0.0076
BP Filtered	0.0131	0.0128	0.0079

	M2 Growth	GDP Defl. Growth	T-Bill Rate
HP Filtered	0.0062	0.0026	0.0112
BP Filtered	0.0047	0.0021	0.0100

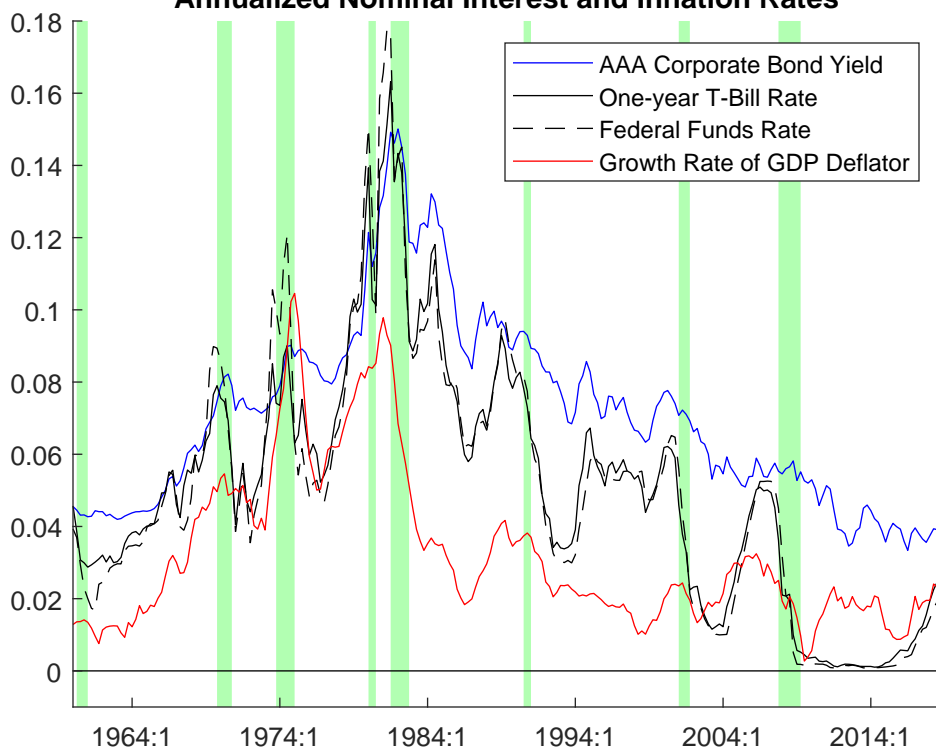
Corr(Variable at t, GDP at t-k), HP Filtered



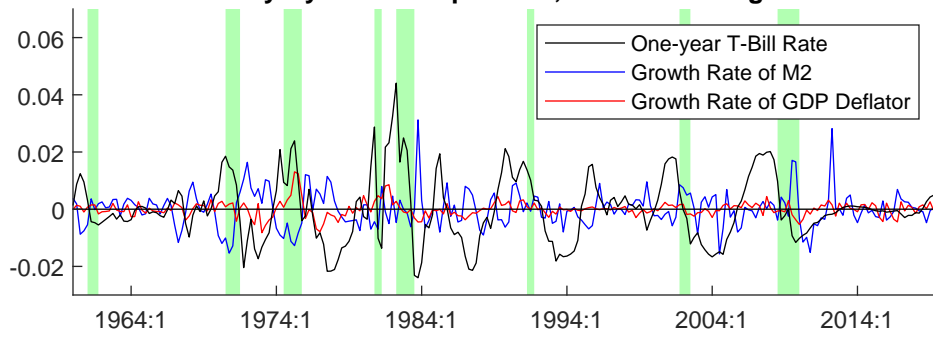
Corr(Variable at t, GDP at t-k), Band Pass Filtered



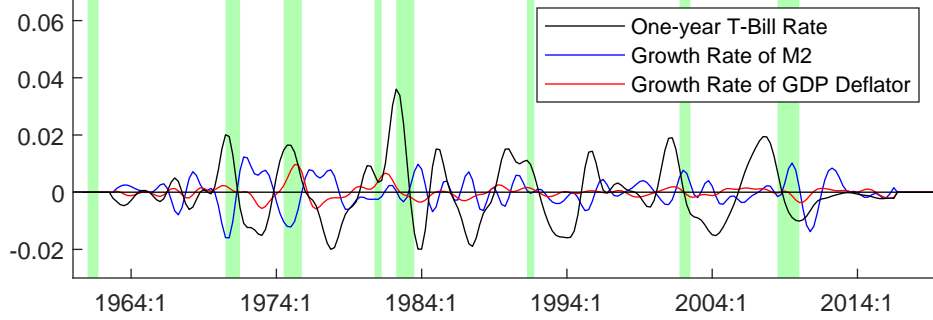
Annualized Nominal Interest and Inflation Rates



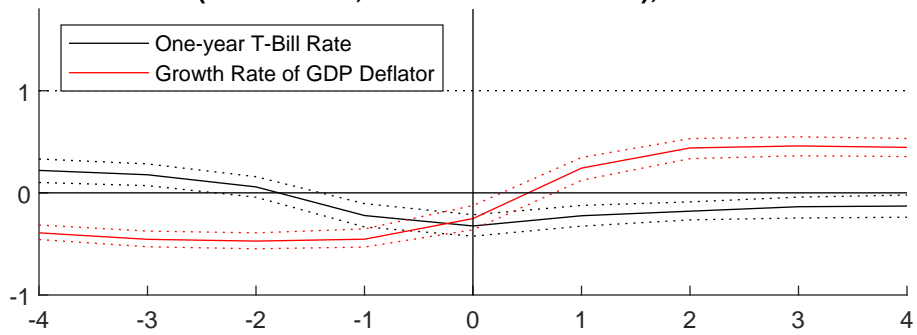
Quarterly Cyclical Components, HP Filtered Log Levels



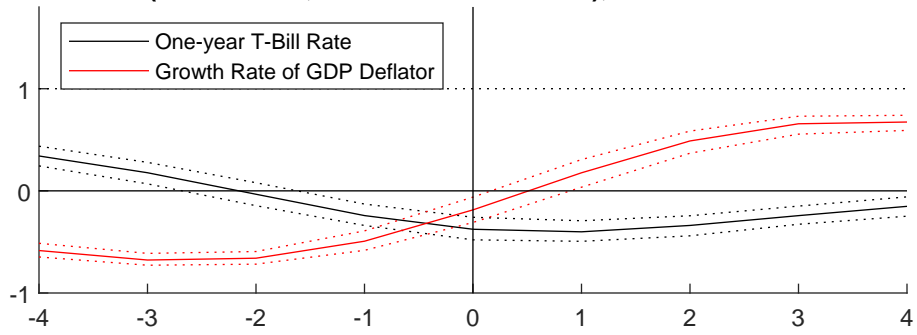
Quarterly Cyclical Components, Band Pass Filtered Log Levels



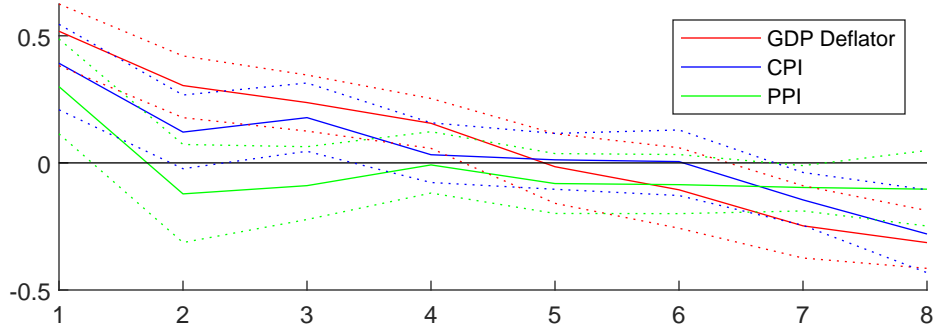
Corr(Variable at t, M2 Growth Rate at t-k), HP Filtered



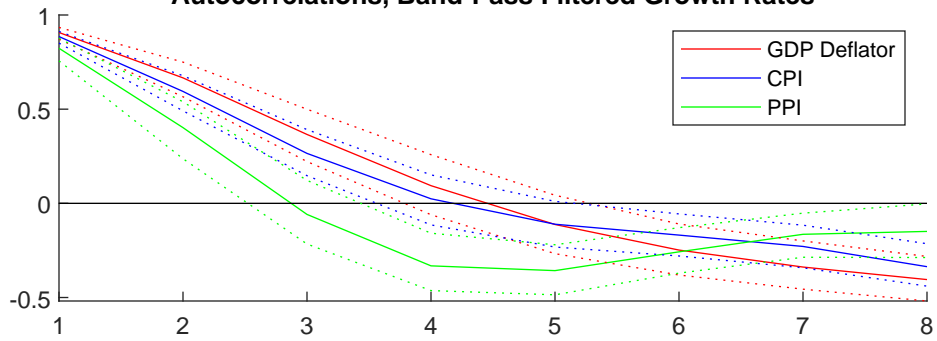
Corr(Variable at t, M2 Growth Rate at t-k), Band Pass Filtered



Autocorrelations, HP Filtered Growth Rates



Autocorrelations, Band-Pass Filtered Growth Rates



Responses to M2 Shock

