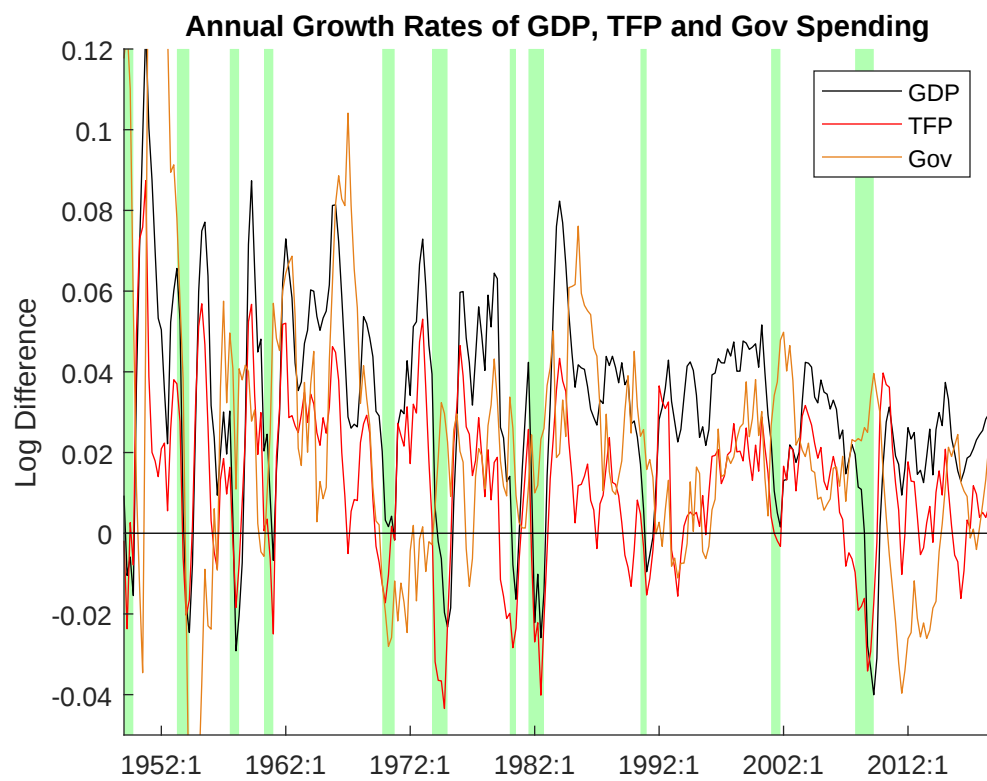


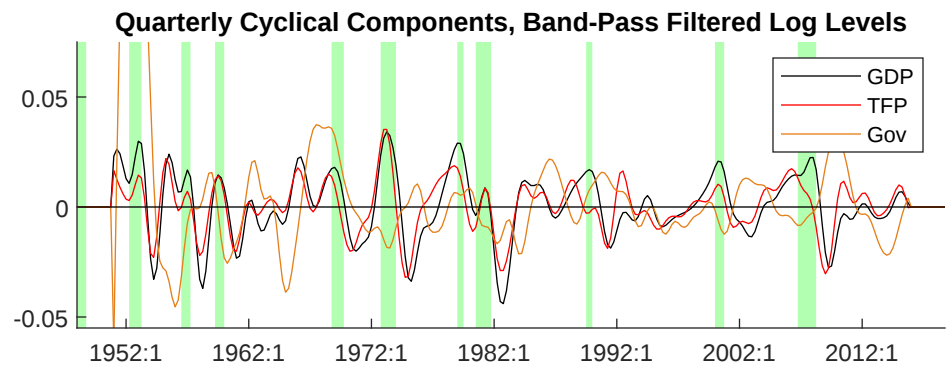
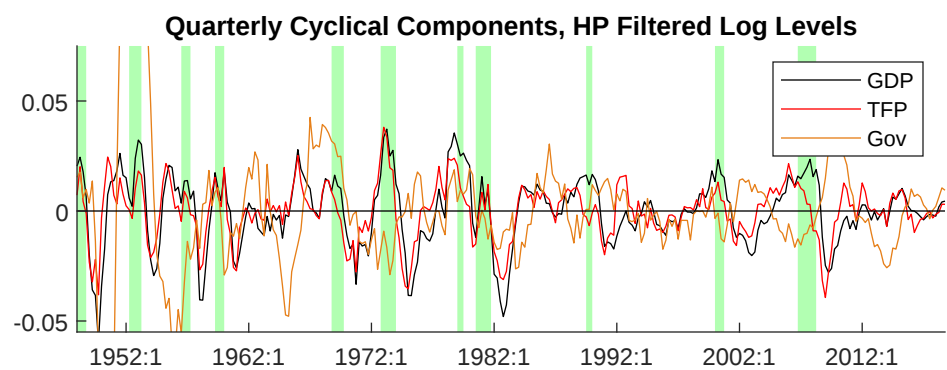
Lecture Slides 3

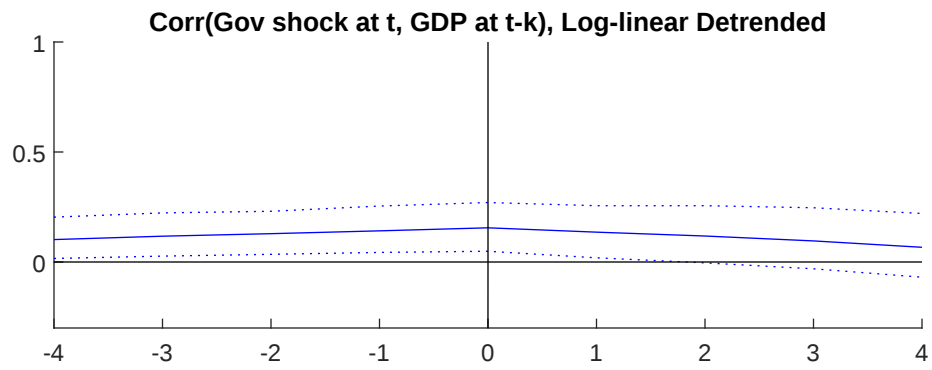
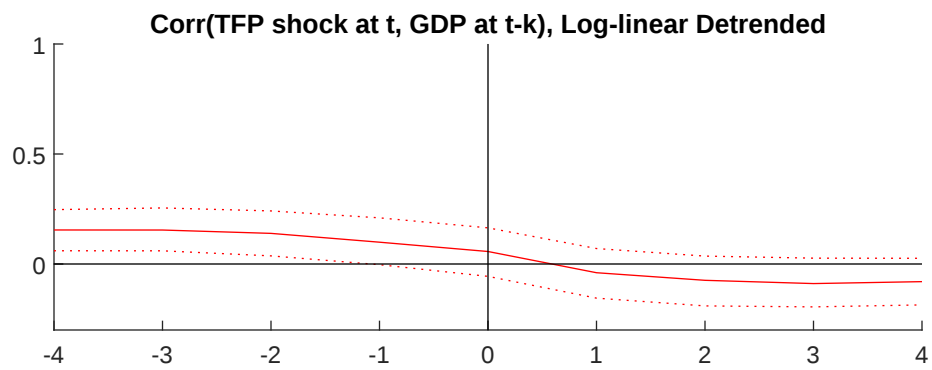
Economics 210C – Macroeconomics

Spring 2019

Prof. Garey Ramey - UCSD







Standard Deviations of HP-Filtered Cyclical Components

	Quarterly	No Gov			With Gov		
	Data	$\eta = .25$	$\eta = 1$	$\eta = 10$	$\eta = .25$	$\eta = 1$	$\eta = 10$
GDP	0.016	0.010	0.012	0.017	0.010	0.012	0.017
Cons	0.012	0.003	0.004	0.005	0.005	0.005	0.005
Inv	0.072	0.034	0.042	0.060	0.052	0.060	0.084
Hours	0.015	0.001	0.004	0.012	0.002	0.005	0.013
Prod	0.008	0.009	0.008	0.006	0.009	0.008	0.006
Gov	0.032	0.000	0.000	0.000	0.032	0.032	0.032

Standard Deviations Relative to GDP

	Quarterly	No Gov			With Gov		
	Data	$\eta = 0.25$	$\eta = 1$	$\eta = 10$	$\eta = 0.25$	$\eta = 1$	$\eta = 10$
Cons	0.77	0.31	0.30	0.27	0.48	0.35	0.28
Inv	4.57	3.44	3.50	3.60	5.27	4.49	4.94
Hours	0.96	0.14	0.37	0.70	0.16	0.37	0.76
Prod	0.50	0.86	0.64	0.33	0.86	0.57	0.33
Gov	2.00	0.00	0.00	0.00	3.26	2.41	1.89

Second Moments of Hours and Productivity

	Quarterly	No Gov			With Gov		
	Data	$\eta = .25$	$\eta = 1$	$\eta = 10$	$\eta = .25$	$\eta = 1$	$\eta = 10$
Corr(Hrs,Prd)	-0.166	0.980	0.964	0.865	0.832	0.809	0.645
SD(Hrs)/SD(Prd)	1.906	0.169	0.579	2.127	0.188	0.640	2.342

Histogram of St Dev of GDP Across 1000 Simulations
 $\eta = .25$, No Government Sector

