Program description (README)

Prepared for **Price Stickiness Heterogeneity and Equilibrium Determinacy**
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The zipped file contains computer programs to generate the figures in the paper. The code to generate each figure can be found in the folder with the same name as the figure. The code is to be run in Matlab. For Figures 1-3, you need gensys by Chris Sims, which can be obtained on his website. Change the relevant line in run files to add a path to gensys. For Figure 4, you need Dynare.

Figure 1 (a)

Run file: run_boundary_J002_ppsi00.m
Output: graph_nokink_trend_inflation_2s_boundary.eps

Figure 1 (b)

Run file: run_boundary_J002_ppsi11.m
Output: graph_kink_trend_inflation_2s_boundary_ppsi11.eps

Figure 2

Run file: nokink_2s_SS.m
Output: graph_nokink_2s_SS_outputslope.eps

Figure 3

Run file: kink_2s_SS.m
Output: kink_2s_SS_psi11_outputslope.eps

Figure 4 (a) and (b)

Before running the following file and generating the graphs, you need to run codes to get the boundary for all the models considered in the paper. Each code can be found at the end of each node in the following structure. Run each mod file by Dynare.

J272_empirical	contemporaneous2	post-Volcker	kink_trend_inflation	homogeneous
				regular
			nokink_trend_inflation	homogeneous
			nokink_zero_trend_inflation	homogeneous
				regular
		pre-Volcker	kink_trend_inflation	homogeneous
				regular
			nokink_trend_inflation	homogeneous

		nokink_zero_trend_inflation	homogeneous
			regular
forward	post-Volcker	kink_trend_inflation	homogeneous
			regular
		nokink_trend_inflation	homogeneous
		nokink_zero_trend_inflation	homogeneous
	pre-Volcker	kink_trend_inflation	homogeneous
			regular
		nokink_trend_inflation	homogeneous
		nokink_zero_trend_inflation	homogeneous
			regular
CG	kink_trend_inflation	homogeneous	regular_post1982
			regular_pre1979
		regular_post1982	
		regular_pre1979	
	nokink_trend_inflation_homo	regular_post1982	
		regular_pre1979	
	nokink_zero_trend_inflation		
	nokink_zero_trend_inflation_homo	regular_post1982	
		regular_pre1979	

Run file: graph_J272_empirical_both_periods.m
Output: graph_graph_boundary_J272_empirical_CES.eps,
graph_graph_boundary_J272_empirical_Kimball.eps