Table 1: Aggregate Consumption Dynamics in Rep Agent Markov Economy (11 states)

$$\Delta \log \mathbf{C}_{t+1} = \varsigma + \chi \Delta \log \mathbf{C}_t + \eta \mathbb{E}_t[\Delta \log \mathbf{Y}_{t+1}] + \alpha A_t + \epsilon_{t+1}$$

Expectations : Dep Var			OLS	2nd Stage	KP p-val
Independent Variables			or IV	$\bar{R}^2$	Hansen J p val
Frictionless : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \mathbf{C}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.016			OLS	0.000	
(0.070)					
	0.455•••		IV	0.024	0.512
	(0.128)				0.543
		0.88e-4	IV	−0.000	0.000
		(2.24e-4)			0.483
0.080	0.447••	−0.62e-4	IV	0.000	0.673
(0.321)	(0.175)	(1.76e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =-0.000					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ (no measurement error)					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.786•••			OLS	0.618	
(0.044)					
Sticky : $\Delta \log \widetilde{\mathbf{C}}^*_{t+1}$ (with measurement error); $\widetilde{\mathbf{C}}^*_{t+1} = \widetilde{\mathbf{C}}_{t+1} \times \xi_t$					
$\Delta \log \widetilde{\mathbf{C}}^*_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.397•••			OLS	0.167	
(0.064)					
0.771•••			IV	0.174	0.002
(0.139)					0.544
	0.603•••		IV	0.119	0.097
	(0.168)				0.180
		−0.73e-4	IV	0.071	0.000
		(0.59e-4)			0.022
0.632•••	0.134	0.07e-4	IV	0.160	0.291
(0.215)	(0.256)	(0.79e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}^*_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =0.176					
var(ξ_t) =0.04e-4					

Notes: Reported statistics are the average values for 100 subsamples of 200 simulated quarters each. Bullets indicate that the average subsample coefficient divided by average subsample standard error is outside of the inner 90%, 95%, and 99% of the standard normal distribution. Instruments $\mathbf{Z}_t = \{\Delta \log \mathbf{C}_{t-2}, \Delta \log \mathbf{C}_{t-3}, \Delta \log \mathbf{Y}_{t-2}, \Delta \log \mathbf{Y}_{t-3}, A_{t-2}, A_{t-3}, \Delta_8 \log \mathbf{C}_{t-2}, \Delta_8 \log \mathbf{Y}_{t-2}\}$.

Table 2: Aggregate Consumption Dynamics in PE/SOE Markov Economy (11 states)

$$\Delta \log \mathbf{C}_{t+1} = \varsigma + \chi \Delta \log \mathbf{C}_t + \eta \mathbb{E}_t[\Delta \log \mathbf{Y}_{t+1}] + \alpha A_t + \epsilon_{t+1}$$

Expectations : Dep Var			OLS	2nd Stage	KP p-val
Independent Variables			or IV	$\bar{R}^2$	Hansen J p val
Frictionless : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \mathbf{C}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.358•••			OLS	0.129	
(0.064)					
	0.475••		IV	0.039	0.069
	(0.214)				0.445
		−6.38e-4	IV	0.030	0.000
		(5.24e-4)			0.363
0.389	0.285	0.69e-4	IV	0.034	0.555
(0.428)	(0.376)	(9.05e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =0.043					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ (no measurement error)					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.862•••			OLS	0.743	
(0.035)					
Sticky : $\Delta \log \widetilde{\mathbf{C}}^*_{t+1}$ (with measurement error); $\widetilde{\mathbf{C}}^*_{t+1} = \widetilde{\mathbf{C}}_{t+1} \times \xi_t$					
$\Delta \log \widetilde{\mathbf{C}}^*_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.497•••			OLS	0.253	
(0.059)					
0.802•••			IV	0.251	0.000
(0.106)					0.559
	0.859•••		IV	0.185	0.066
	(0.189)				0.226
		−7.68e-4••	IV	0.066	0.000
		(3.67e-4)			0.004
0.661•••	0.199	0.62e-4	IV	0.230	0.381
(0.189)	(0.287)	(4.84e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}^*_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =0.252					
var(ξ_t) =0.08e-4					

Notes: Reported statistics are the average values for 100 subsamples of 200 simulated quarters each. Bullets indicate that the average subsample coefficient divided by average subsample standard error is outside of the inner 90%, 95%, and 99% of the standard normal distribution. Instruments $\mathbf{Z}_t = \{\Delta \log \mathbf{C}_{t-2}, \Delta \log \mathbf{C}_{t-3}, \Delta \log \mathbf{Y}_{t-2}, \Delta \log \mathbf{Y}_{t-3}, A_{t-2}, A_{t-3}, \Delta_8 \log \mathbf{C}_{t-2}, \Delta_8 \log \mathbf{Y}_{t-2}\}$.

Table 3: Aggregate Consumption Dynamics in HA-DSGE Markov Economy (11 states)

$$\Delta \log \mathbf{C}_{t+1} = \varsigma + \chi \Delta \log \mathbf{C}_t + \eta \mathbb{E}_t[\Delta \log \mathbf{Y}_{t+1}] + \alpha A_t + \epsilon_{t+1}$$

Expectations : Dep Var			OLS	2^{nd} Stage	KP p-val
Independent Variables			or IV	$\bar{R}^2$	Hansen J p val
Frictionless : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \mathbf{C}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.349•••			OLS	0.125	
(0.064)					
	0.475•••		IV	0.064	0.053
	(0.176)				0.401
		−3.40e-4••	IV	0.066	0.000
		(1.50e-4)			0.422
0.327	0.168	−1.35e-4	IV	0.068	0.553
(0.460)	(0.347)	(3.40e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =0.073					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ (no measurement error)					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.859•••			OLS	0.739	
(0.036)					
Sticky : $\Delta \log \widetilde{\mathbf{C}}^*_{t+1}$ (with measurement error); $\widetilde{\mathbf{C}}^*_{t+1} = \widetilde{\mathbf{C}}_{t+1} \times \xi_t$					
$\Delta \log \widetilde{\mathbf{C}}^*_t$	$\Delta \log \widetilde{\mathbf{Y}}_{t+1}$	A_t			
0.438•••			OLS	0.199	
(0.061)					
0.811•••			IV	0.271	0.000
(0.110)					0.558
	0.785•••		IV	0.216	0.052
	(0.166)				0.289
		−4.37e-4•••	IV	0.138	0.000
		(1.05e-4)			0.004
0.641•••	0.159	−0.44e-4	IV	0.261	0.381
(0.209)	(0.278)	(1.72e-4)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}^*_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2$ =0.275					
var(ξ_t) =0.04e-4					

Notes: Reported statistics are the average values for 100 subsamples of 200 simulated quarters each. Bullets indicate that the average subsample coefficient divided by average subsample standard error is outside of the inner 90%, 95%, and 99% of the standard normal distribution. Instruments $\mathbf{Z}_t = \{\Delta \log \mathbf{C}_{t-2}, \Delta \log \mathbf{C}_{t-3}, \Delta \log \mathbf{Y}_{t-2}, \Delta \log \mathbf{Y}_{t-3}, A_{t-2}, A_{t-3}, \Delta_8 \log \mathbf{C}_{t-2}, \Delta_8 \log \mathbf{Y}_{t-2}\}$.