Table 1: Aggregate Consumption Dynamics in Rep Agent Economy

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.802			OLS	0.642	0.000
(0.042)					
0.758			IV	0.226	0.000
(0.071)					
	0.137		IV	0.027	0.505
	(0.159)				
		-0.0003	IV	0.067	0.000
		(0.0001)			
0.764	0.108	0.0000	IV	0.226	999.000
(0.070)	(0.063)	(0.0001)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.216$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 100 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 59 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.346			OLS	0.125	0.003
(0.064)					
0.686			IV	0.119	0.000
(0.151)					
	0.073		IV	0.013	0.526
	(0.163)				
		-0.0003	IV	0.042	0.000
		(0.0001)			
0.671	0.117	-0.0000	IV	0.120	999.000
(0.226)	(0.184)	(0.0002)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.124$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 89 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 9 of 100 subintervals.					

Table 2: Aggregate Consumption Dynamics in Rep Agent Markov Economy (11 states)

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.785			OLS	0.617	0.000
(0.044)					
0.789			IV	0.271	0.000
(0.073)					
	0.669		IV	0.180	0.086
	(0.171)				
		-0.0001	IV	0.099	0.000
		(0.0000)			
0.683	0.102	0.0000	IV	0.270	999.000
(0.127)	(0.180)	(0.0000)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.265$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 96 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 13 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.230			OLS	0.063	0.080
(0.067)					
0.708			IV	0.117	0.004
(0.185)					
	0.614		IV	0.094	0.097
	(0.212)				
		-0.0001	IV	0.056	0.000
		(0.0001)			
0.510	0.208	0.0000	IV	0.121	999.000
(0.324)	(0.422)	(0.0001)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.126$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 39 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 7 of 100 subintervals.					

Table 3: Aggregate Consumption Dynamics in Small Open Economy

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.572			OLS	0.329	0.000
(0.059)					
0.674			IV	0.112	0.000
(0.129)					
	0.087		IV	0.017	0.481
	(0.157)				
		-0.0118	IV	0.051	0.000
		(0.0042)			
0.649	0.150	-0.0013	IV	0.118	999.000
(0.140)	(0.087)	(0.0041)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.111$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 95 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 55 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.209			OLS	0.047	0.064
(0.066)					
0.580			IV	0.059	0.003
(0.198)					
	0.089		IV	0.011	0.453
	(0.182)				
		-0.0122	IV	0.033	0.000
		(0.0054)			
0.539	0.119	-0.0026	IV	0.063	999.000
(0.294)	(0.179)	(0.0090)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.065$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 53 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 13 of 100 subintervals.					

Table 4: Aggregate Consumption Dynamics in Small Open Markov Economy (11 states)

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.862			OLS	0.743	0.000
(0.035)					
0.819			IV	0.365	0.000
(0.051)					
	0.911		IV	0.259	0.051
	(0.178)				
		-0.0008	IV	0.090	0.000
		(0.0003)			
0.731	0.118	0.0000	IV	0.364	999.000
(0.093)	(0.153)	(0.0002)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.359$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 100 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 17 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.328			OLS	0.115	0.008
(0.063)					
0.774			IV	0.187	0.000
(0.140)					
	0.848		IV	0.148	0.051
	(0.198)				
		-0.0008	IV	0.053	0.000
		(0.0004)			
0.615	0.221	0.0000	IV	0.192	999.000
(0.290)	(0.471)	(0.0007)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.195$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 66 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 7 of 100 subintervals.					

Table 5: Aggregate Consumption Dynamics in HA-DSGE Economy

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.525			OLS	0.282	0.001
(0.065)					
0.710			IV	0.141	0.000
(0.127)					
	0.107		IV	0.019	0.482
	(0.140)				
		-0.0010	IV	0.080	0.000
		(0.0003)			
0.668	0.094	-0.0001	IV	0.144	999.000
(0.195)	(0.095)	(0.0004)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.141$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 89 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 29 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.169			OLS	0.034	0.159
(0.067)					
0.613			IV	0.074	0.002
(0.194)					
	0.077		IV	0.010	0.457
	(0.153)				
		-0.0010	IV	0.050	0.000
		(0.0003)			
0.503	0.065	-0.0003	IV	0.078	999.000
(0.345)	(0.169)	(0.0007)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.083$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 44 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 7 of 100 subintervals.					

Table 6: Aggregate Consumption Dynamics in HA-DSGE Markov Economy (11 states)

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

Expectations : Dep Var			OLS	(2nd Stage)	F p-val
Independent Variables			or IV	$\bar{R}^2$	IV OID
Sticky : $\Delta \log \mathbf{C}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.859			OLS	0.738	0.000
(0.036)					
0.836			IV	0.415	0.000
(0.049)					
	0.853		IV	0.326	0.037
	(0.150)				
		-0.0004	IV	0.193	0.000
		(0.0001)			
0.728	0.091	-0.0000	IV	0.415	999.000
(0.119)	(0.178)	(0.0001)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \mathbf{C}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.410$					
Horserace coefficient on $\Delta \log \mathbf{C}_{t+1}$ significant at 95% level for 97 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 10 of 100 subintervals.					
Sticky : $\Delta \log \widetilde{\mathbf{C}}_{t+1}$					
$\Delta \log \widetilde{\mathbf{C}}_t$	$\Delta \log \mathbf{Y}_{t+1}$	A_t			
0.259			OLS	0.076	0.033
(0.065)					
0.780			IV	0.200	0.000
(0.145)					
	0.815		IV	0.177	0.038
	(0.176)				
		-0.0004	IV	0.111	0.000
		(0.0001)			
0.554	0.224	-0.0001	IV	0.208	999.000
(0.343)	(0.516)	(0.0003)			
Memo: For instruments $\mathbf{Z}_t$, $\Delta \log \widetilde{\mathbf{C}}_{t+1} = \mathbf{Z}_t \zeta$, $\bar{R}^2 = 0.212$					
Horserace coefficient on $\Delta \log \widetilde{\mathbf{C}}_{t+1}$ significant at 95% level for 53 of 100 subintervals.					
Horserace coefficient on $\mathbb{E}[\Delta \log \mathbf{Y}_{t+1}]$ significant at 95% level for 6 of 100 subintervals.					