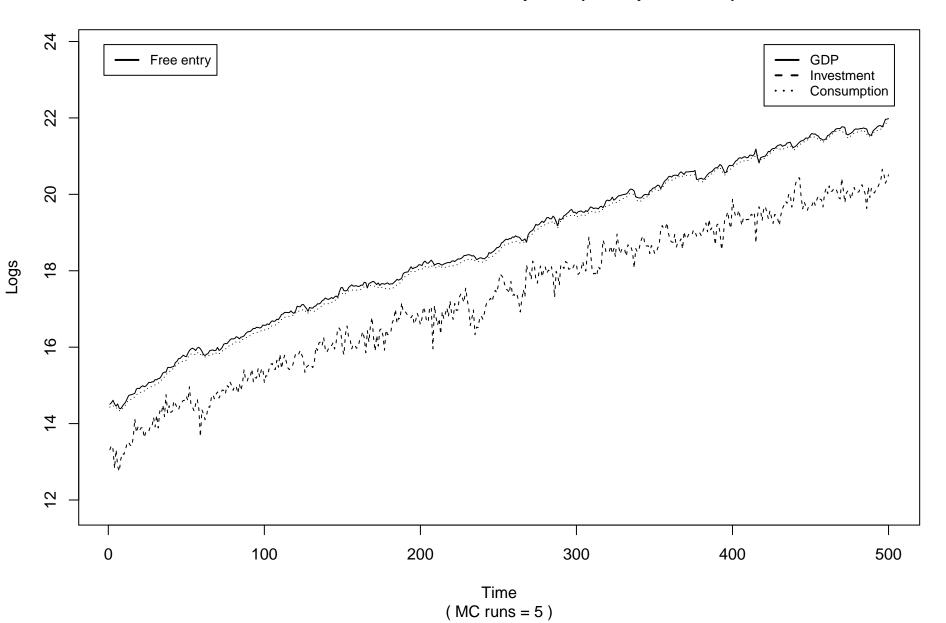
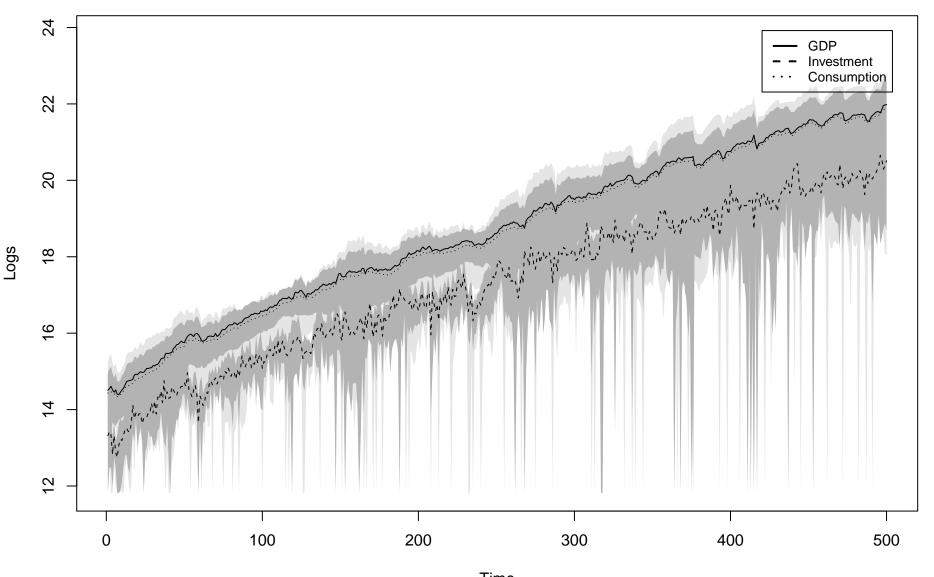
GDP, investment and consumption (all experiments)

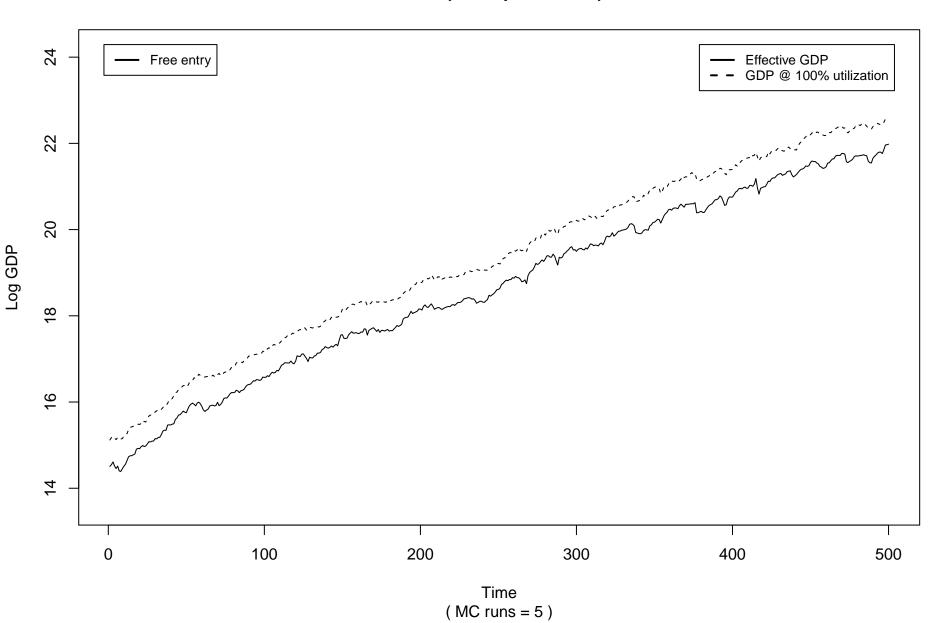


GDP, investment and consumption (Free entry)

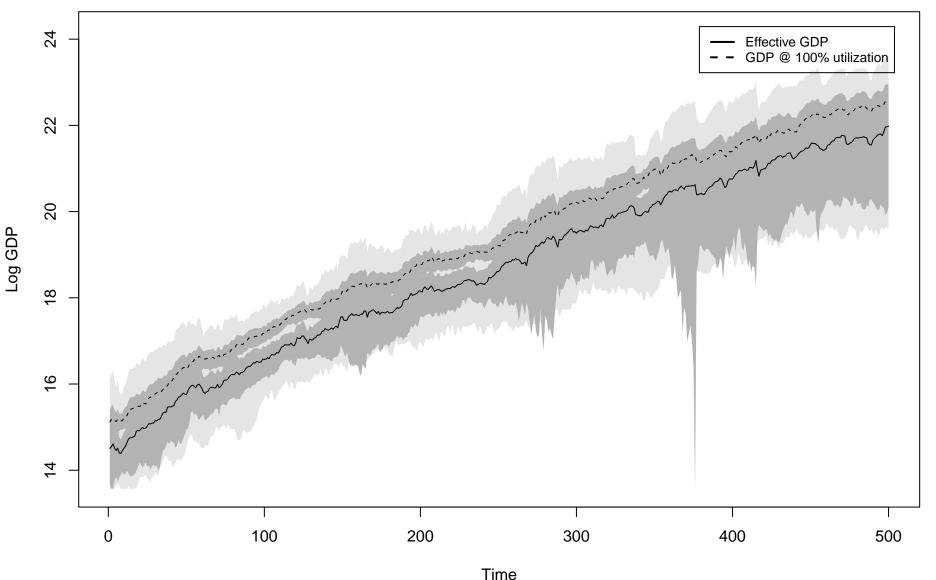


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

GDP (all experiments)

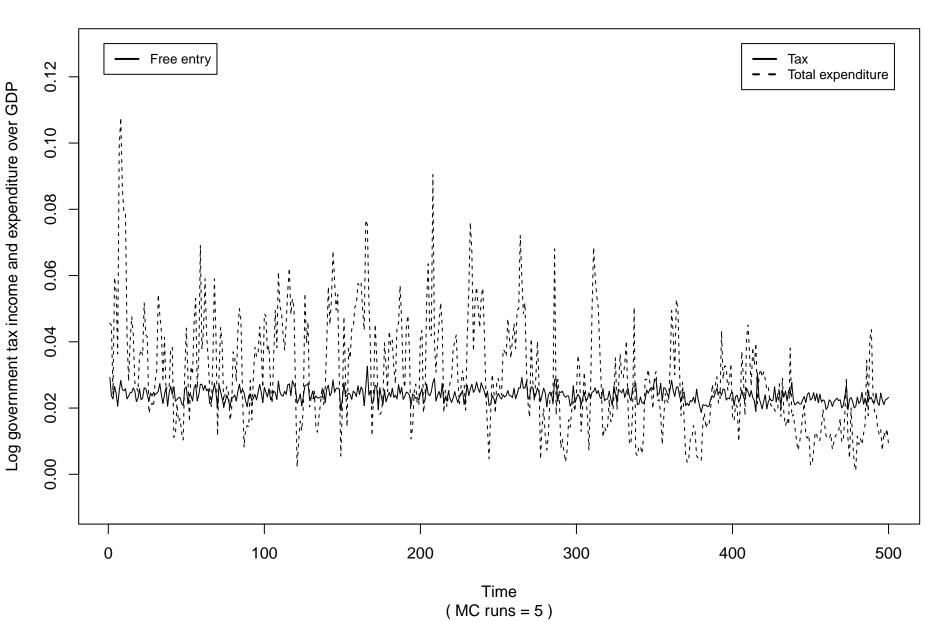


GDP (Free entry)

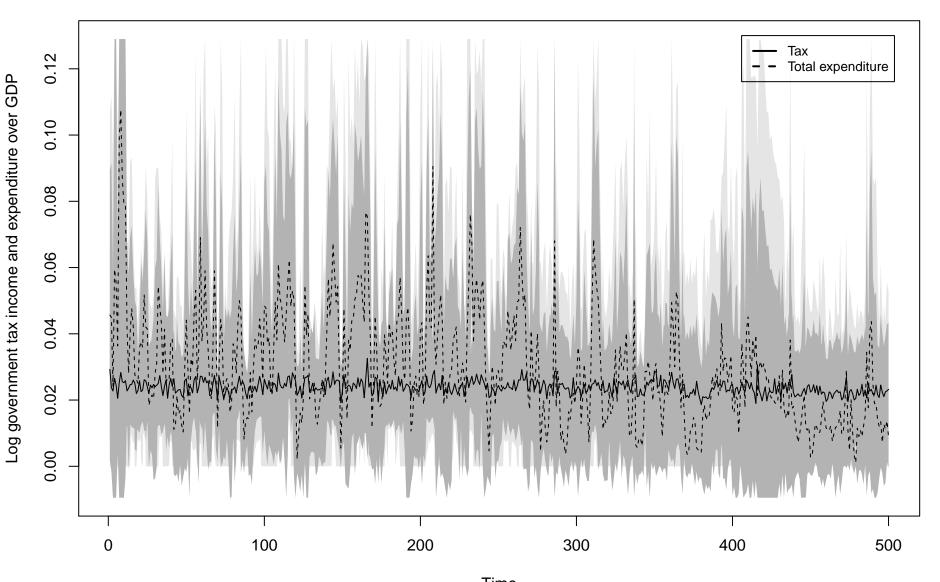


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government income and expenditure on GDP (all experiments)

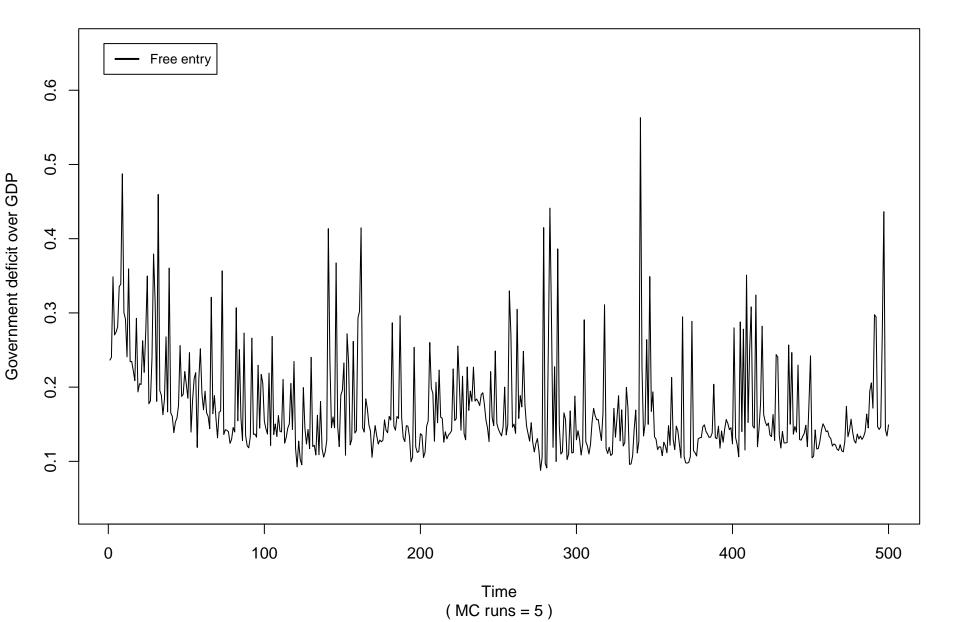


Government income and expenditure on GDP (Free entry)

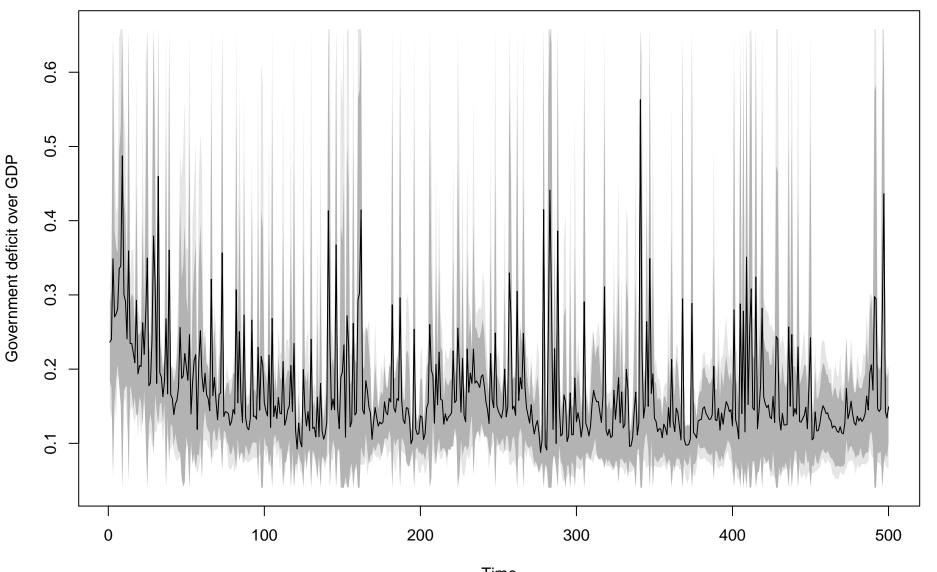


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government deficit on GDP (all experiments)

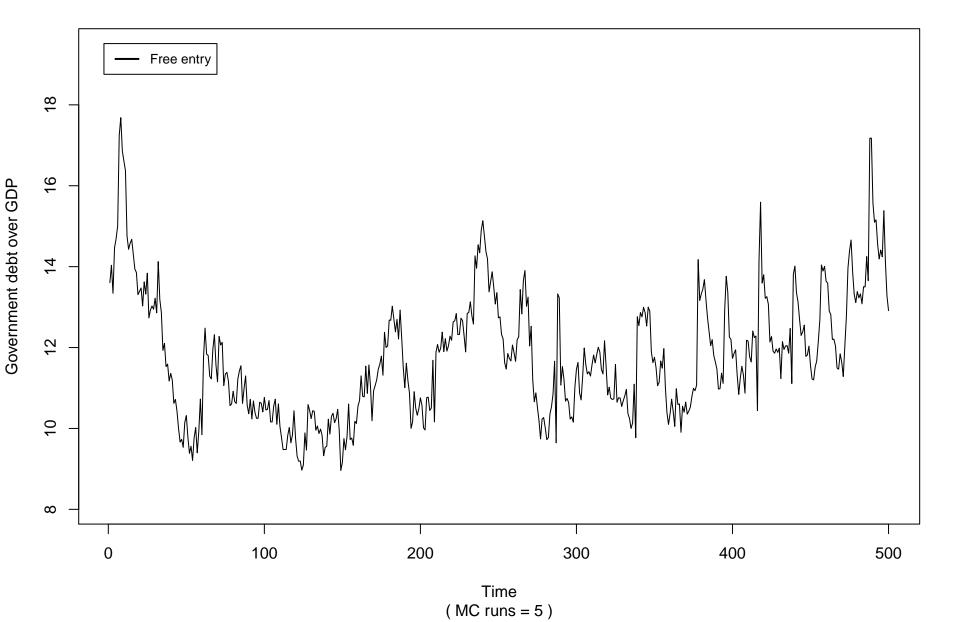


Government deficit on GDP (Free entry)

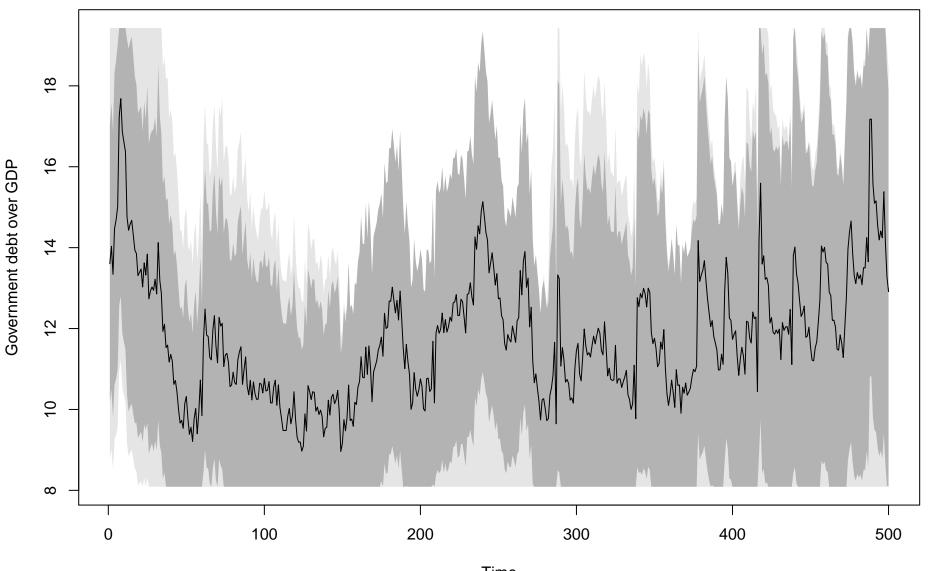


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government debt on GDP (all experiments)

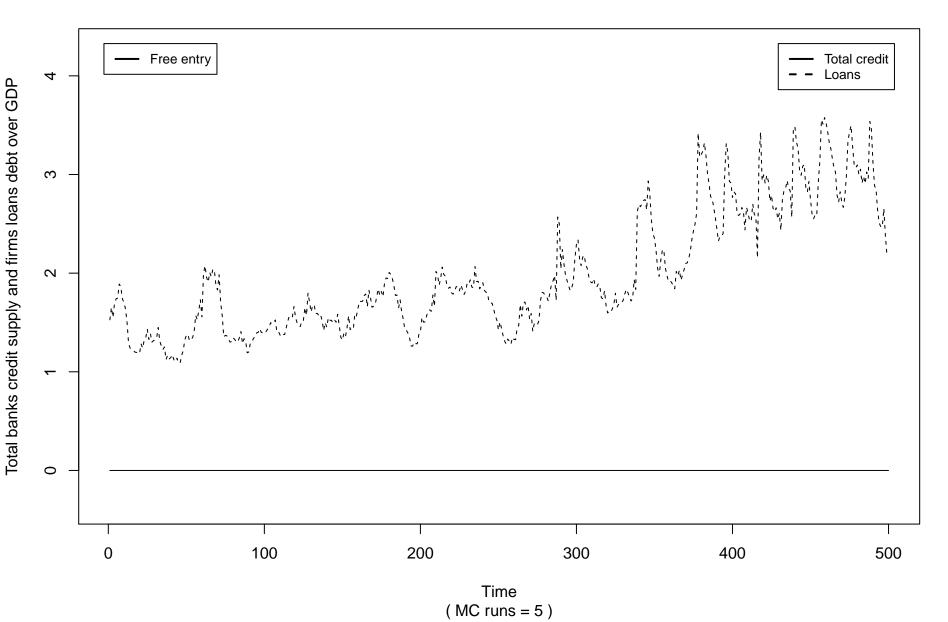


Government debt on GDP (Free entry)

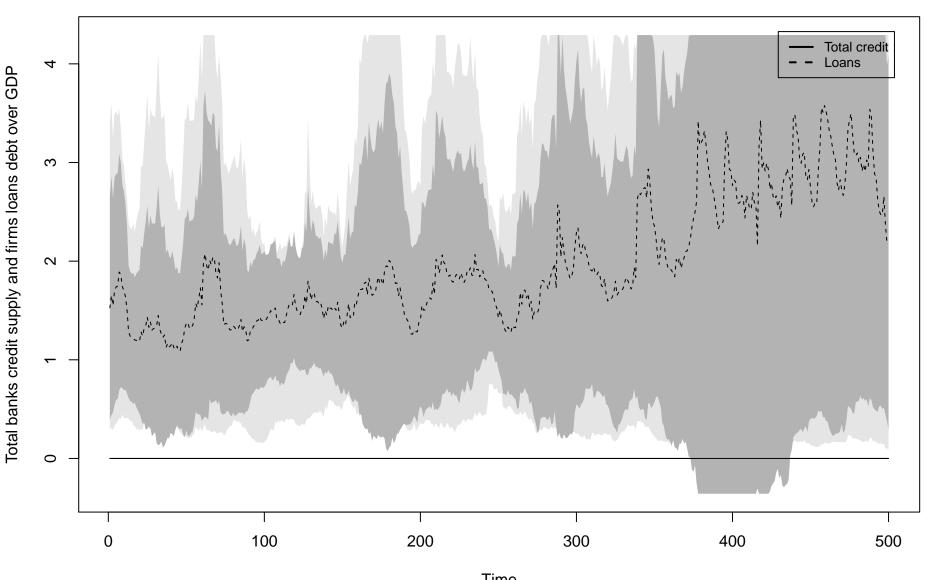


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Total credit supply and loans on GDP (all experiments)

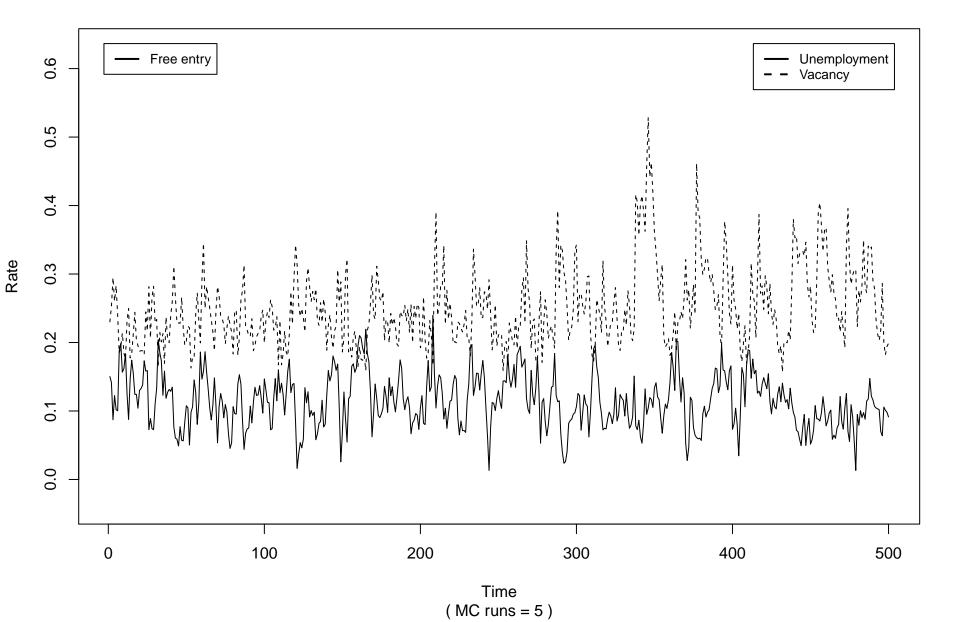


Total credit supply and loans on GDP (Free entry)

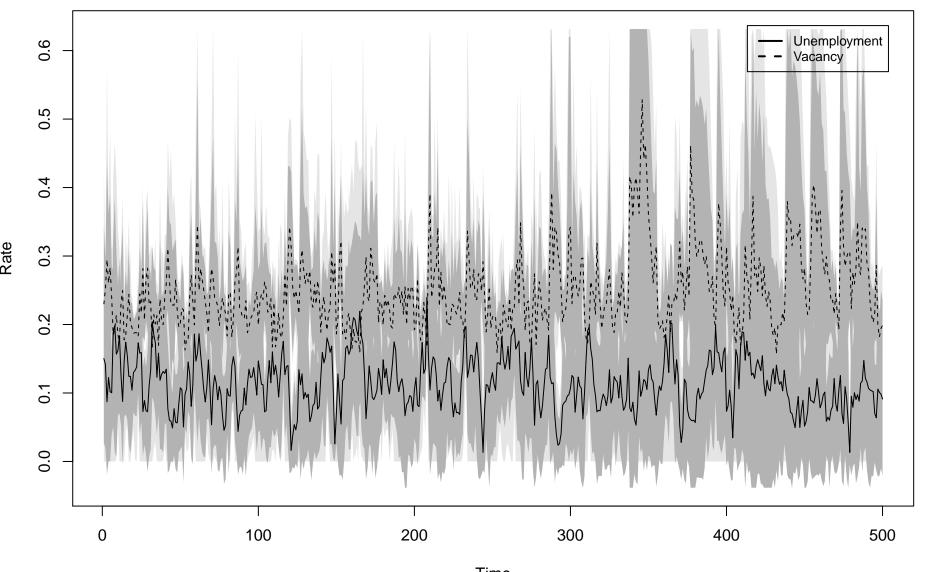


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Unemployment and vacancy rates (all experiments)

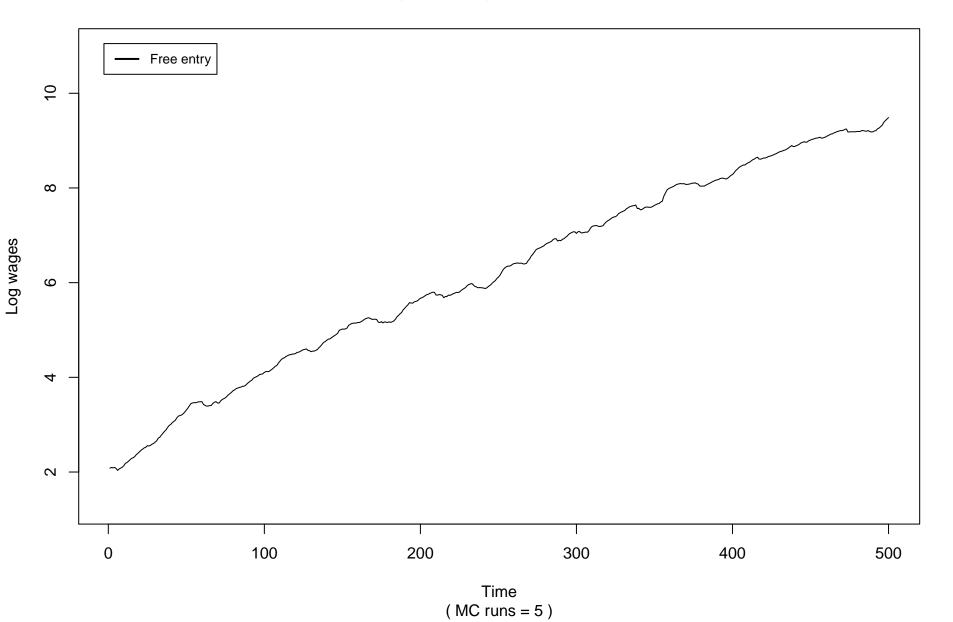


Unemployment and vacancy rates (Free entry)

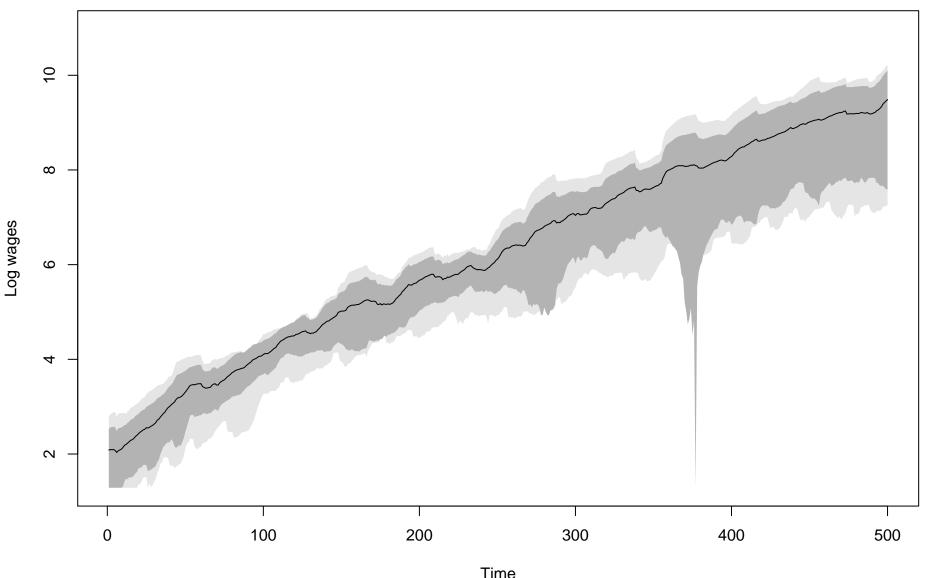


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Real wages average (all experiments)

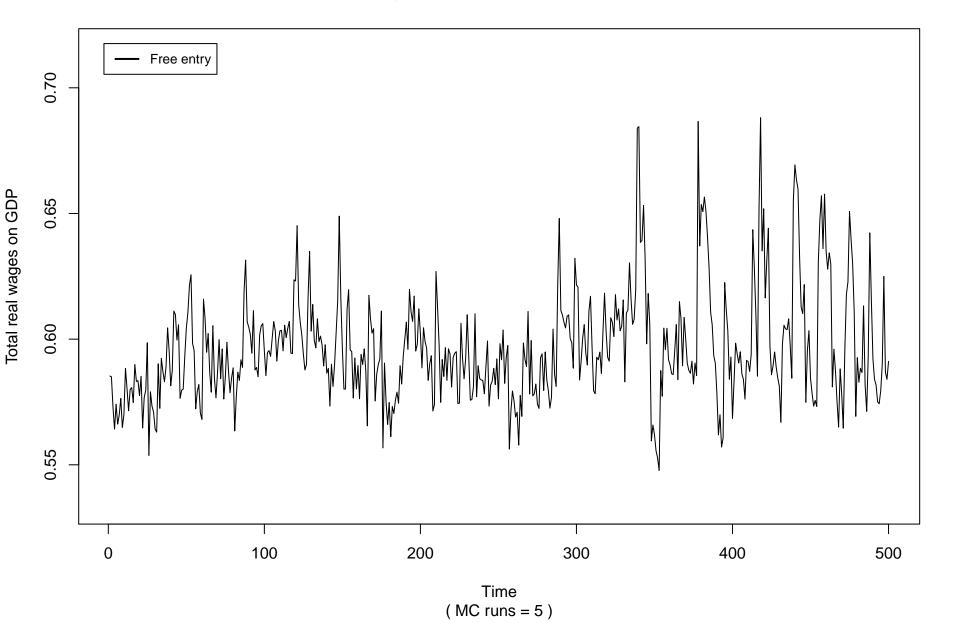


Real wages average (Free entry)

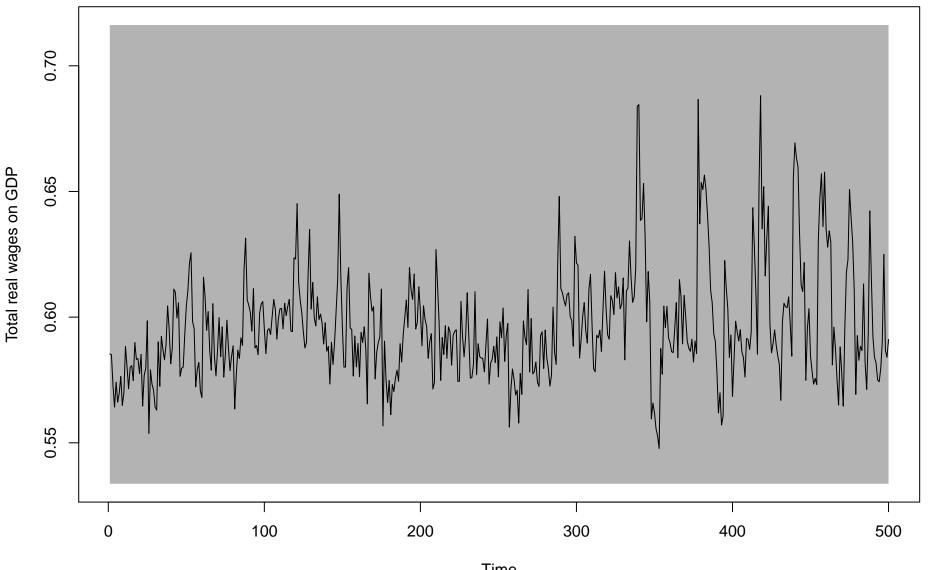


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Wage share (all experiments)

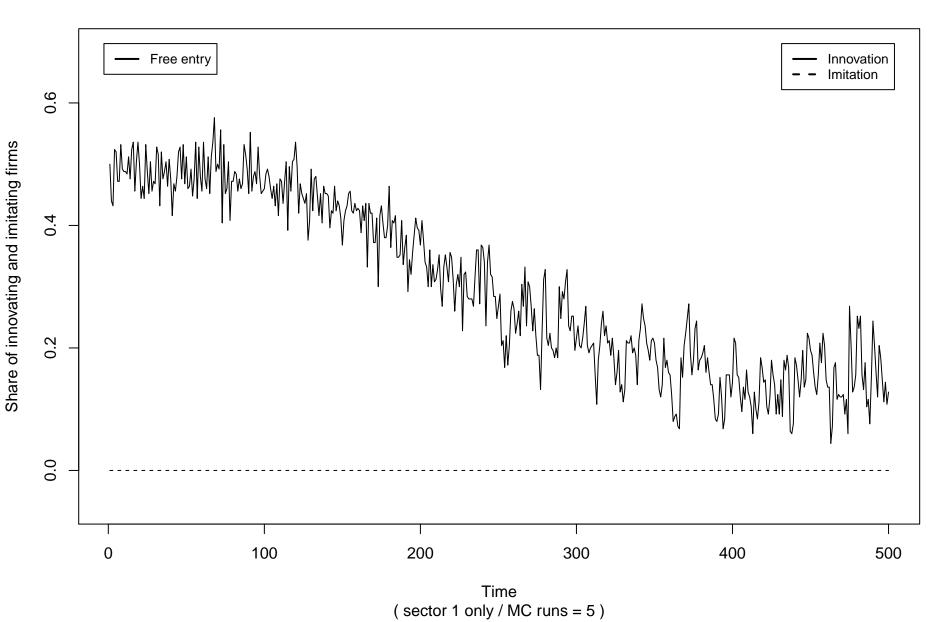


Wage share (Free entry)

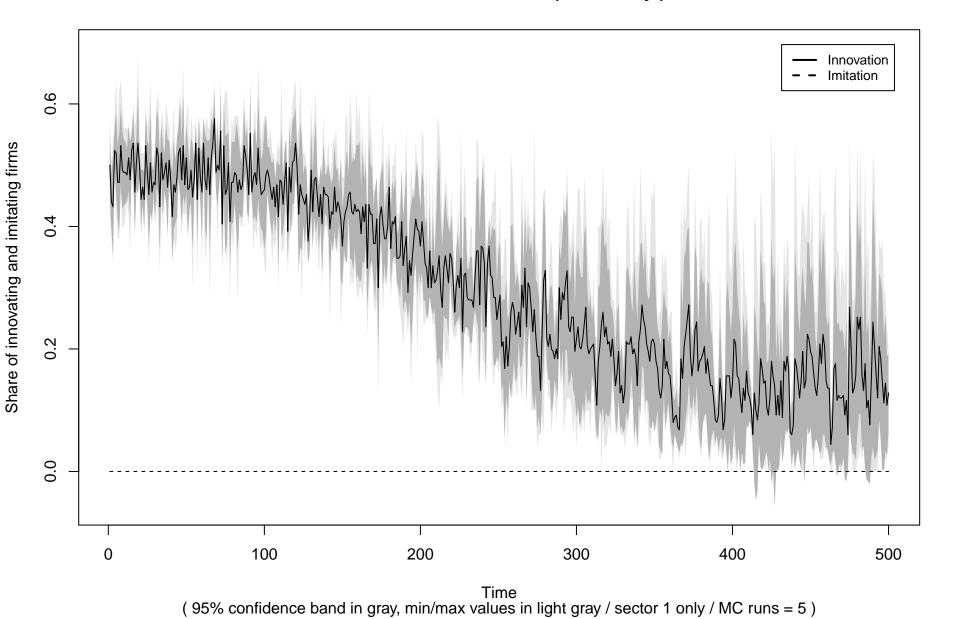


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

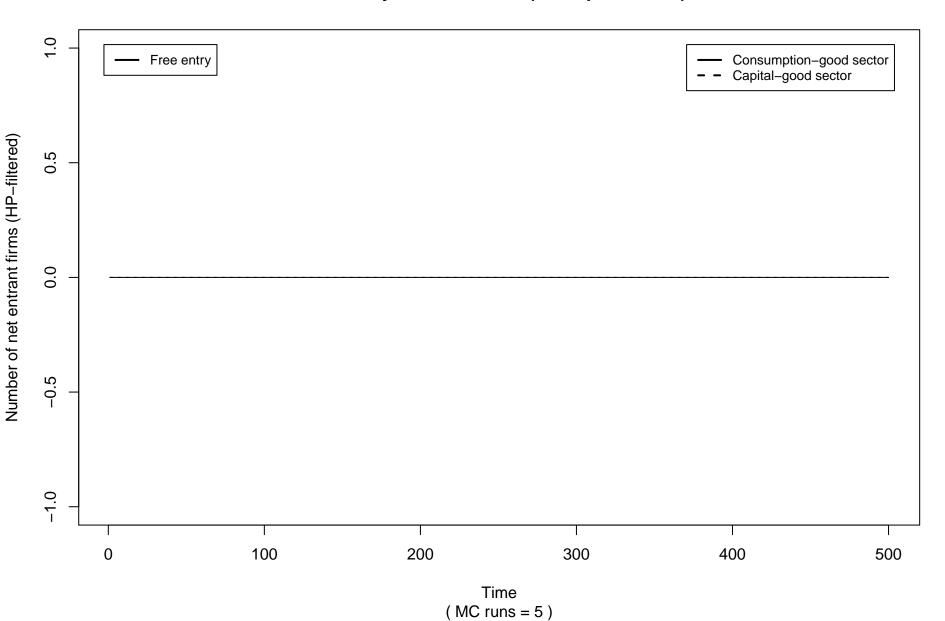
Innovation and imitation (all experiments)



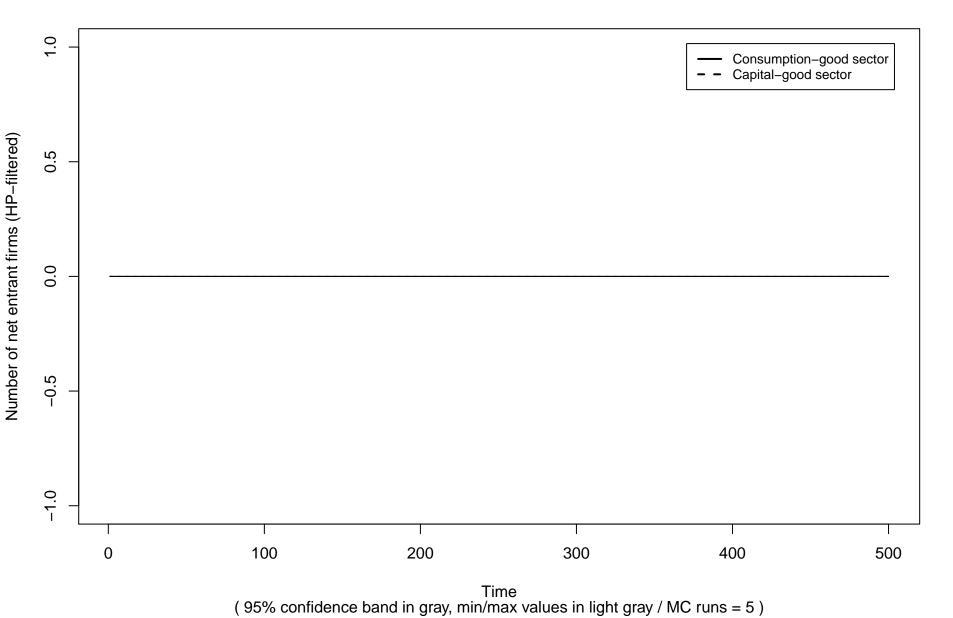
Innovation and imitation (Free entry)



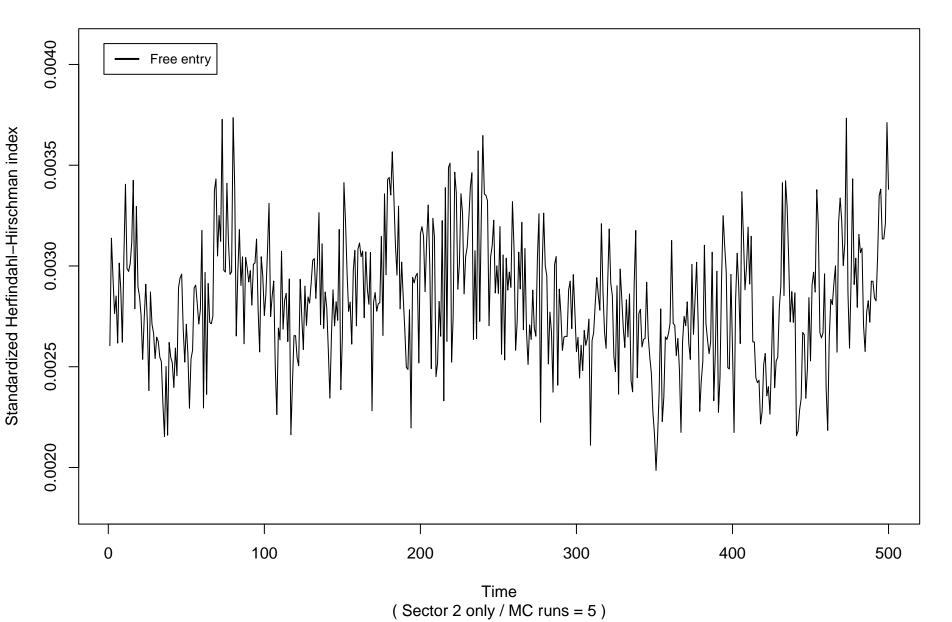
Net entry of firms trend (all experiments)



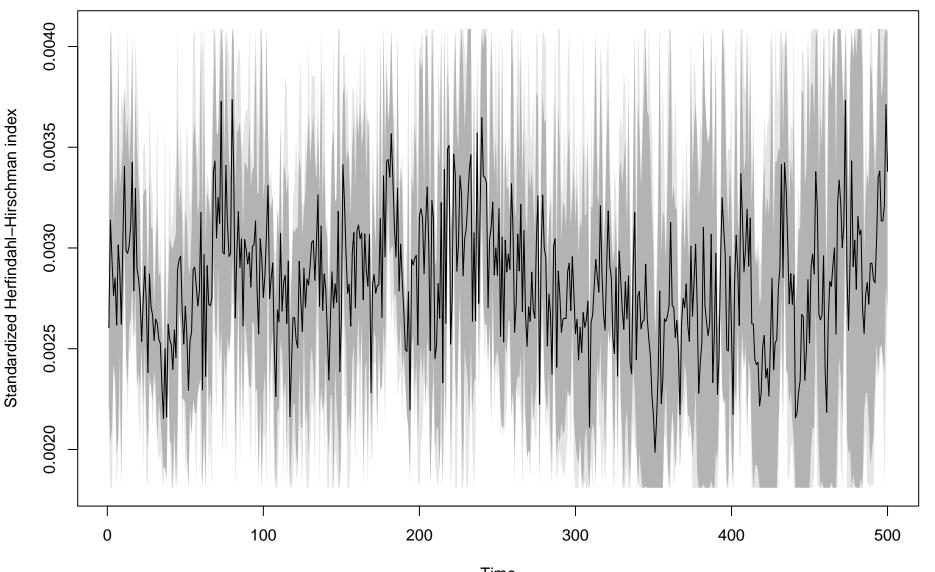
Net entry of firms trend (Free entry)



Market concentration (all experiments)

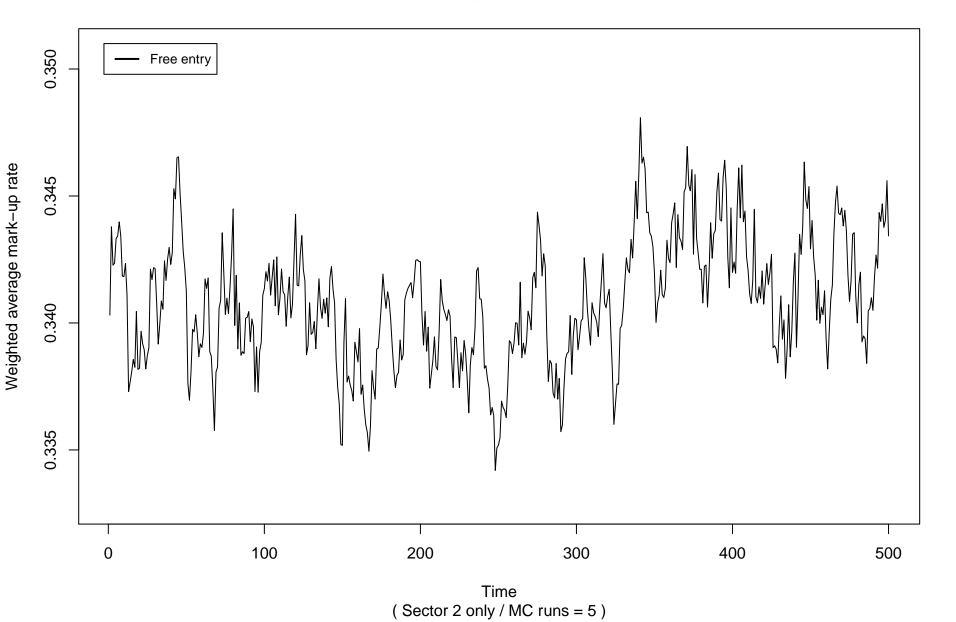


Market concentration (Free entry)

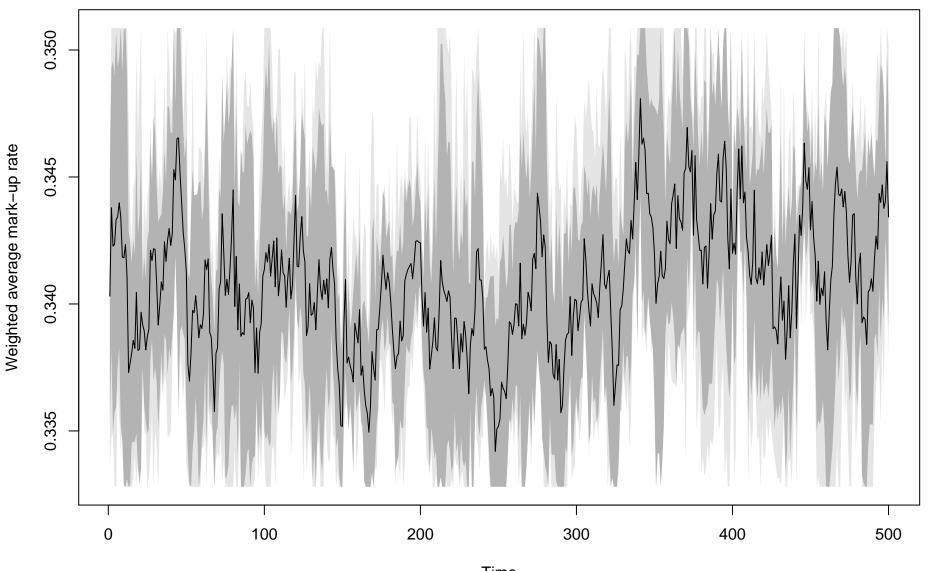


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

Mark-up average (all experiments)

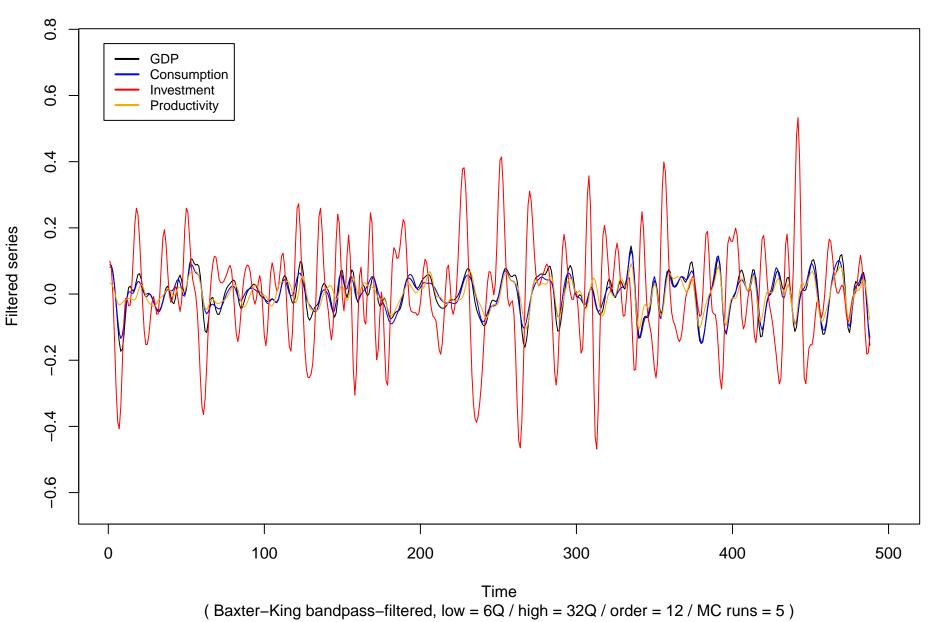


Mark-up average (Free entry)

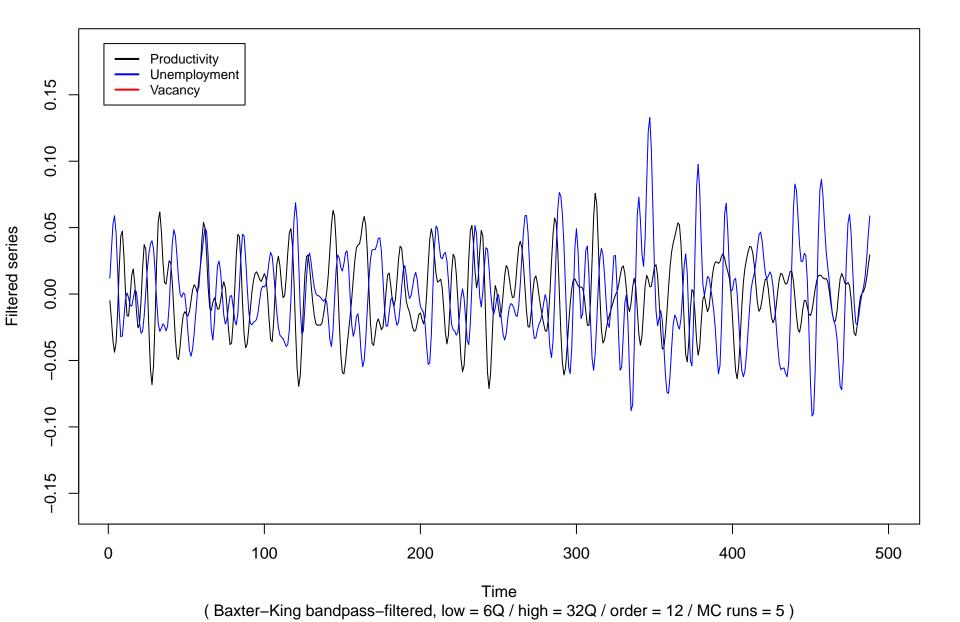


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

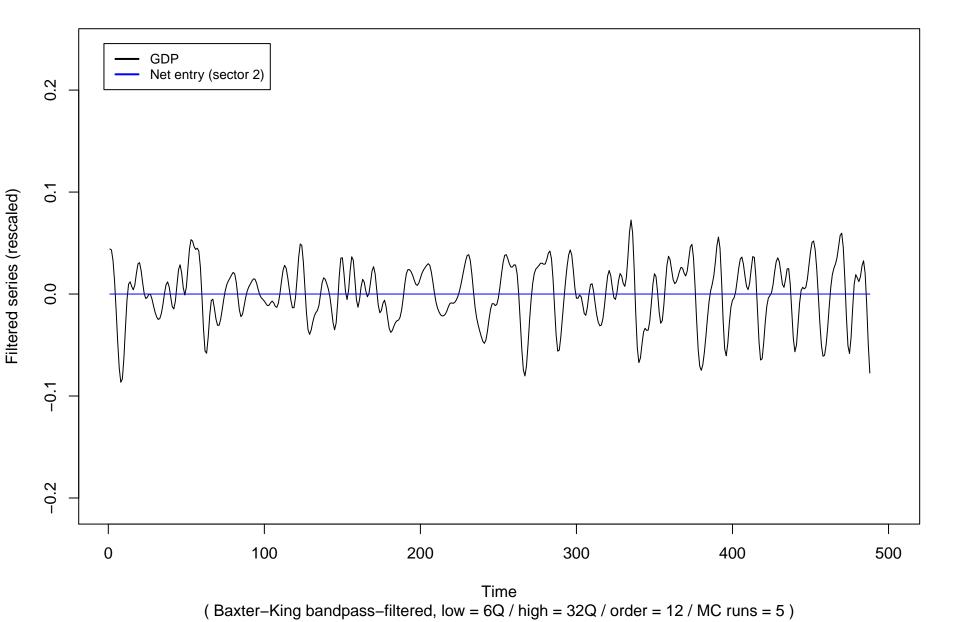
GDP cycles (Free entry)



Shimer puzzle (Free entry)



Net entry dynamics and business cycle (Free entry)



Key statistics and unit roots tests for cycles (Free entry)

	GDP (output)	Consumption	Investment	Product.	Real wage	
avg. growth rate	0.01147	0.01146	0.01118	0.01132	0.0114	
(s.e.)	0.001058	0.001095	0.001125	0.0009199	0.001031	
ADF test (logs)	-3.102	-2.826	-6.755	-2.773	-2.962	
(s.e.)	0.1466	0.2587	0.1215	0.2679	0.3098	
(p–val.)	0.1401	0.2607	0.01	0.2761	0.2369	
(s.e.)	0.03868	0.08338	0	0.09684	0.08426	
ADF test (bpf)	-5.702	-5.637	-6.479	-6.17	-5.973	
(s.e.)	0.09376	0.1197	0.1013	0.124	0.248	
(p-val.)	0.01	0.01	0.01	0.01	0.01	
(s.e.)	0	0	0	0	0	
s.d. (bpf)	0.09943	0.08344	1.453	0.07057	0.07194	
(s.e.)	0.006526	0.006606	0.08199	0.002824	0.007183	
relative s.d. (GDP)	1	0.8392	14.61	0.7097	0.7236	

Correlation structure for GDP (Free entry)

	-4	-3	-2	-1	0	1	2	3	4	
GDP (output)	0.06421	0.3352	0.6455	0.8992	1	0.8992	0.6455	0.3352	0.06421	
(s.e.)	0.02415	0.01759	0.009806	0.003048	0	0.003048	0.009806	0.01759	0.02415	
(p-val.)	0.7097	6.572e-05	2.709e-07	5.746e-10	NA	5.746e-10	2.709e-07	6.572e-05	0.7097	
Consumption	0.1087	0.361	0.6364	0.8585	0.9499	0.8681	0.6475	0.3634	0.09635	
(s.e.)	0.06855	0.05199	0.03174	0.01514	0.005923	0.00768	0.01751	0.026	0.02938	
(p-val.)	0.2959	0.002838	3.111e-05	4.281e-07	6.444e-09	2.704e-08	2.705e-06	0.0002013	0.2842	
Investment	-0.2602	-0.3723	-0.4046	-0.3041	-0.08198	0.1837	0.3858	0.4574	0.4032	
(s.e.)	0.02618	0.02576	0.02819	0.03512	0.04067	0.04315	0.0452	0.04898	0.04821	
(p-val.)	0.001168	0.000172	0.0001623	0.001548	0.283	0.03708	0.001244	0.0007636	0.001289	
Net investment	-0.2118	-0.3176	-0.3513	-0.2635	-0.06418	0.1758	0.3573	0.4188	0.3651	
(s.e.)	0.0211	0.02067	0.02696	0.03488	0.04025	0.04555	0.05234	0.05837	0.05819	
(p-val.)	0.001675	0.0001634	0.0002741	0.003124	0.4341	0.05168	0.003049	0.002193	0.004024	
Change in inventories	-0.2742	-0.1918	0.01439	0.2626	0.4335	0.4363	0.2984	0.1101	-0.02895	
(s.e.)	0.04856	0.04132	0.02136	0.008812	0.02451	0.05059	0.07159	0.07531	0.05456	
(p-val.)	0.008074	0.02693	0.9828	1.602e-05	6.716e-05	0.001072	0.01901	0.1923	0.375	
Unemployment rate	0.2213	0.2649	0.2316	0.1191	-0.03002	-0.1512	-0.1975	-0.1691	-0.1051	
(s.e.)	0.07048	0.05091	0.03281	0.02939	0.04507	0.06562	0.08726	0.1044	0.1104	
(p-val.)	0.05228	0.01106	0.004939	0.1271	0.408	0.02313	0.002733	0.0008678	0.01634	
Productivity	0.1398	0.3582	0.599	0.7974	0.8834	0.8142	0.617	0.3558	0.104	
(s.e.)	0.07322	0.05984	0.03358	0.01315	0.01996	0.0255	0.04091	0.06116	0.07262	
(p-val.)	0.2096	0.004833	5.114e-05	3.383e-07	1.137e-06	4.332e-06	9.726e-05	0.005371	0.137	
Mark-up (sector 2)	0.1046	0.02382	-0.06767	-0.1467	-0.1931	-0.1962	-0.1651	-0.1155	-0.06342	
(s.e.)	0.08368	0.07101	0.06761	0.06554	0.0576	0.05	0.05805	0.07802	0.09666	
(p-val.)	0.21	0.311	0.04829	0.02633	0.05993	0.04044	0.1084	0.09017	0.07749	
Total firm debt	0.03306	-0.07465	-0.1761	-0.2453	-0.2682	-0.2484	-0.2076	-0.1657	-0.1324	
(s.e.)	0.05253	0.06401	0.06693	0.057	0.03534	0.02214	0.05065	0.08021	0.09739	
(p-val.)	0.166	0.1321	0.1121	0.02205	0.00299	0.0008023	0.03271	0.127	0.08012	
Liquidity-to-sales ratio	0.07786	-0.1477	-0.3985	-0.6138	-0.7333	-0.7227	-0.6018	-0.4202	-0.2342	
(s.e.)	0.08006	0.05242	0.03039	0.0212	0.01407	0.01882	0.03528	0.0451	0.04478	
(p-val.)	0.06062	0.133	0.0002345	7.392e-06	6.44e-07	2.194e-06	6.084e-05	0.0008279	0.01312	
Bankruptcy rate	0.4375	0.4709	0.4002	0.2352	0.03332	-0.1308	-0.2142	-0.224	-0.199	
(s.e.)	0.07086	0.08793	0.1001	0.09626	0.07143	0.03538	0.02094	0.03267	0.03264	
(p-val.)	0.003629	0.005645	0.01649	0.00741	0.101	0.1122	0.001523	0.005816	0.01092	
(non-rate/ratio series are Baxter-King bandpass-filtered, low = 6Q / high = 32Q / order = 12 / MC runs = 5 / period = 301 - 600)										
(test H0: lag coefficient is not significant at 5% level.)										

(test H0: lag coefficient is not significant at 5% level)

Correlation structure for GDP (Free entry)

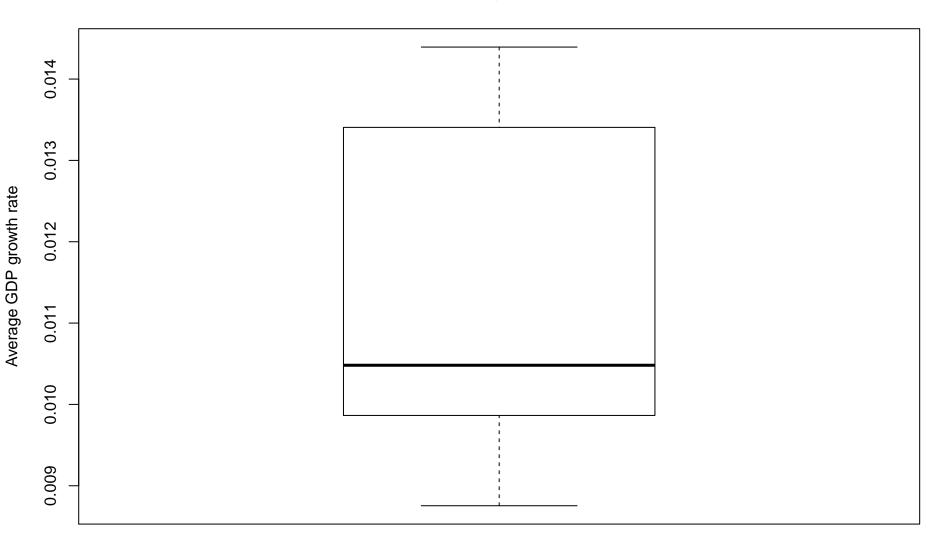
	-4	-3	-2	-1	0	1	2	3	4
GDP (output)	0.06421	0.3352	0.6455	0.8992	1	0.8992	0.6455	0.3352	0.06421
(s.e.)	0.02415	0.01759	0.009806	0.003048	0	0.003048	0.009806	0.01759	0.02415
(p-val.)	0.7097	6.572e-05	2.709e-07	5.746e-10	NA	5.746e-10	2.709e-07	6.572e-05	0.7097
Consumption	0.1087	0.361	0.6364	0.8585	0.9499	0.8681	0.6475	0.3634	0.09635
(s.e.)	0.06855	0.05199	0.03174	0.01514	0.005923	0.00768	0.01751	0.026	0.02938
(p–val.)	0.2959	0.002838	3.111e-05	4.281e-07	6.444e-09	2.704e-08	2.705e-06	0.0002013	0.2842
Investment	-0.2602	-0.3723	-0.4046	-0.3041	-0.08198	0.1837	0.3858	0.4574	0.4032
(s.e.)	0.02618	0.02576	0.02819	0.03512	0.04067	0.04315	0.0452	0.04898	0.04821
(p–val.)	0.001168	0.000172	0.0001623	0.001548	0.283	0.03708	0.001244	0.0007636	0.001289
Productivity	0.1398	0.3582	0.599	0.7974	0.8834	0.8142	0.617	0.3558	0.104
(s.e.)	0.07322	0.05984	0.03358	0.01315	0.01996	0.0255	0.04091	0.06116	0.07262
(p-val.)	0.2096	0.004833	5.114e-05	3.383e-07	1.137e-06	4.332e-06	9.726e-05	0.005371	0.137
Net entry	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
(s.e.)	NA	NA	NA	NA	NA	NA	NA	NA	NA
(p-val.)	1	1	1	1	1	1	1	1	1
Entry	-0.1579	0.02406	0.2589	0.4797	0.6121	0.6081	0.4897	0.3164	0.1567
(s.e.)	0.08953	0.08435	0.07513	0.06556	0.0575	0.05031	0.04603	0.04485	0.04711
(p–val.)	0.08974	0.0491	0.03795	0.00183	0.000379	0.0002328	0.0004405	0.003103	0.08954
Wage	0.3737	0.5528	0.6941	0.7543	0.7103	0.5676	0.3735	0.1747	0.003869
(s.e.)	0.0447	0.03614	0.0353	0.04496	0.05831	0.07115	0.07822	0.07951	0.07554
(p-val.)	0.001389	9.853e-05	3.206e-05	5.757e-05	0.0002078	0.001187	0.009949	0.1268	0.1274
Unemployment rate	0.2213	0.2649	0.2316	0.1191	-0.03002	-0.1512	-0.1975	-0.1691	-0.1051
(s.e.)	0.07048	0.05091	0.03281	0.02939	0.04507	0.06562	0.08726	0.1044	0.1104
(p-val.)	0.05228	0.01106	0.004939	0.1271	0.408	0.02313	0.002733	0.0008678	0.01634
Vacancy rate	0.09988	-0.1122	-0.355	-0.5447	-0.6122	-0.5382	-0.3763	-0.2012	-0.07114
(s.e.)	0.1067	0.1027	0.1004	0.105	0.1103	0.1029	0.08093	0.06099	0.0724
(p–val.)	0.04813	0.03668	0.02595	0.005729	0.004251	0.005618	0.01078	0.04984	0.4709

Stationarity, i.i.d. and ergodicity tests (Free entry)

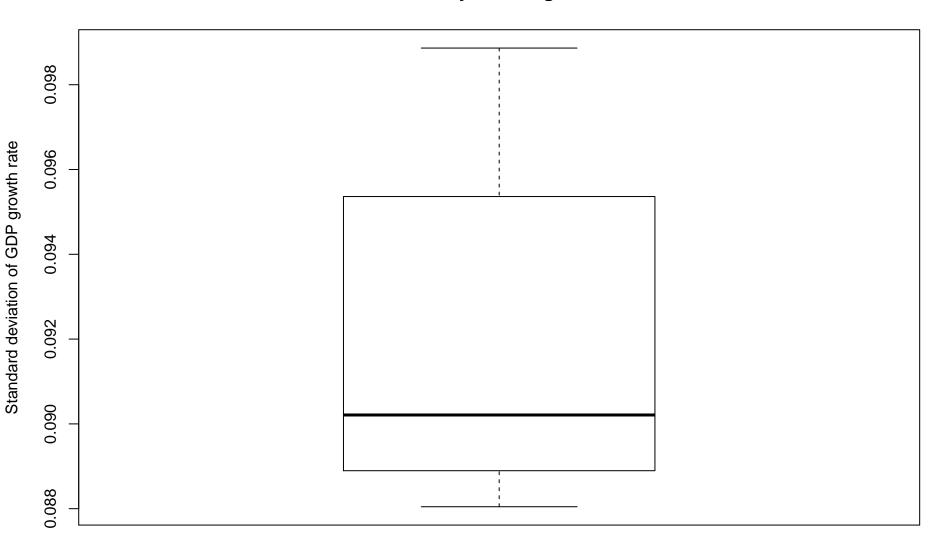
	avg.ADF	rej.ADF	avg.PP	rej.PP	avg.KPSS	rej.KPSS	avg.BDS	rej.BDS	avg.KS	rej.KS	AD	V
dGDP	0.01	1.00	0.01	1.00	0.10	0.00	0.08	0.60	0.32	0.30	0.05	C
dA	0.01	1.00	0.01	1.00	0.10	0.00	0.02	0.80	0.12	0.70	0.00	C
dw	0.01	1.00	0.01	1.00	0.10	0.00	0.02	1.00	0.12	0.70	0.00	C
V	0.03	0.80	0.01	1.00	0.06	0.40	0.03	0.80	0.09	0.80	0.00	C
U	0.02	0.80	0.01	1.00	0.05	0.60	0.00	1.00	0.00	1.00	0.00	C
mu2avg	0.03	0.80	0.01	1.00	0.03	0.80	0.00	1.00	0.00	1.00	0.00	C
HH1	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.11	0.60	0.00	C
HH2	0.01	1.00	0.01	1.00	0.03	0.80	0.00	1.00	0.01	0.80	0.00	C

(average p-values for testing H0 and rate of rejection of H0 / MC runs = 5 / period = 301 - 600) (ADF/PP H0: non-stationary, KPSS H0: stationary, BDS H0: i.i.d., KS/AD/WW H0: ergodic) (significance = 0.05)

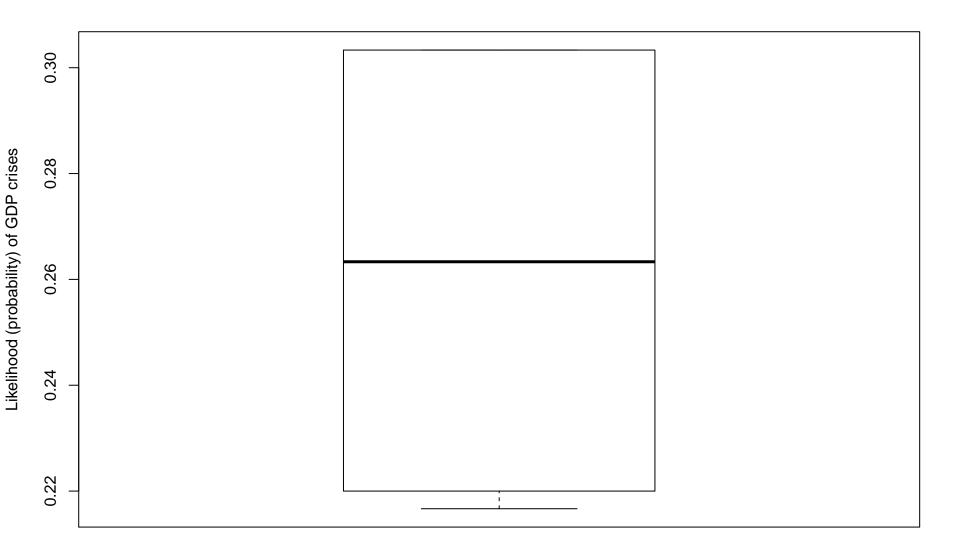


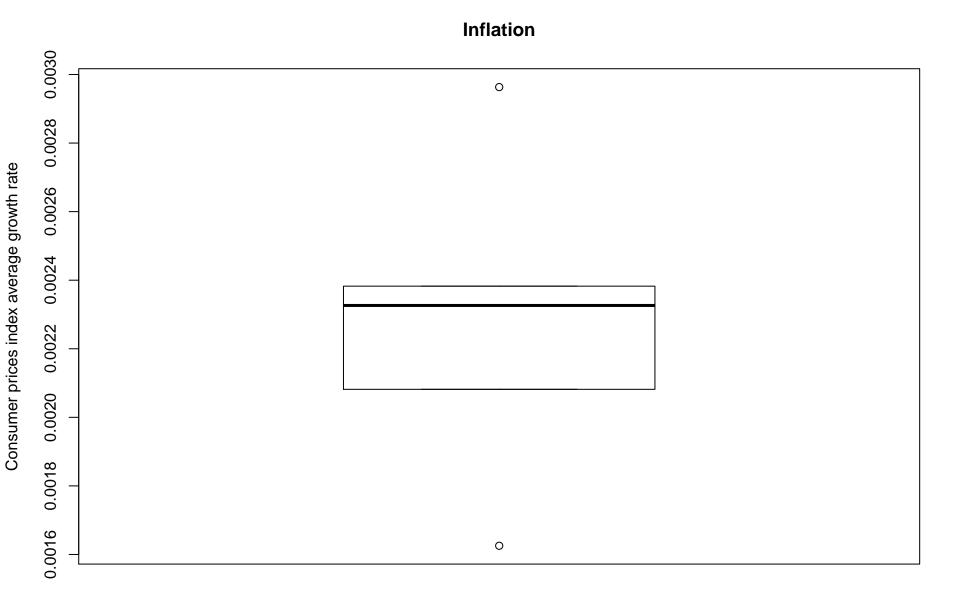


Volatility of GDP growth



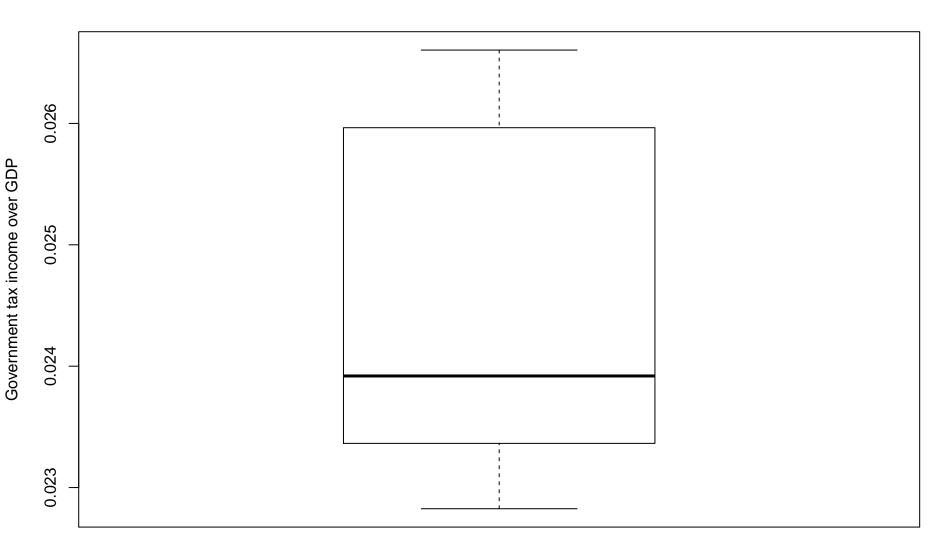
Likelihood of GDP crises



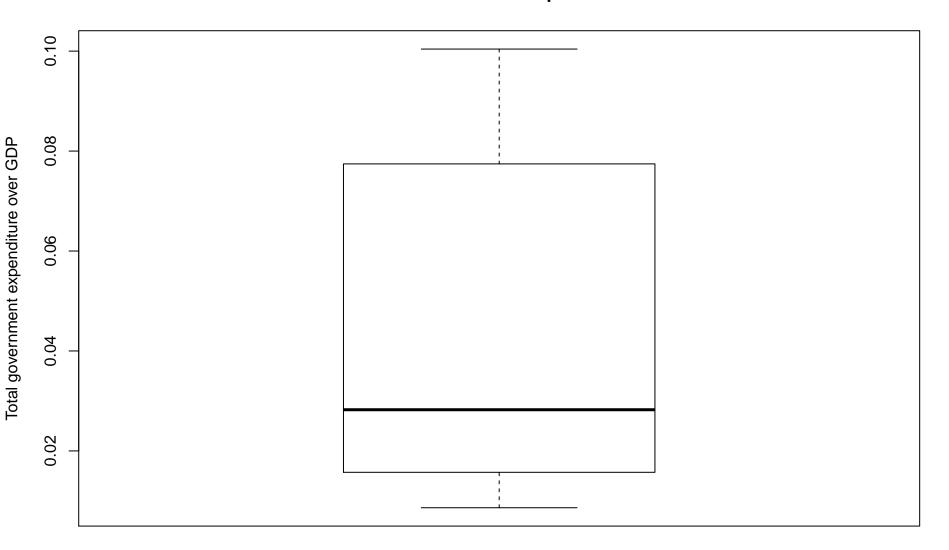


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

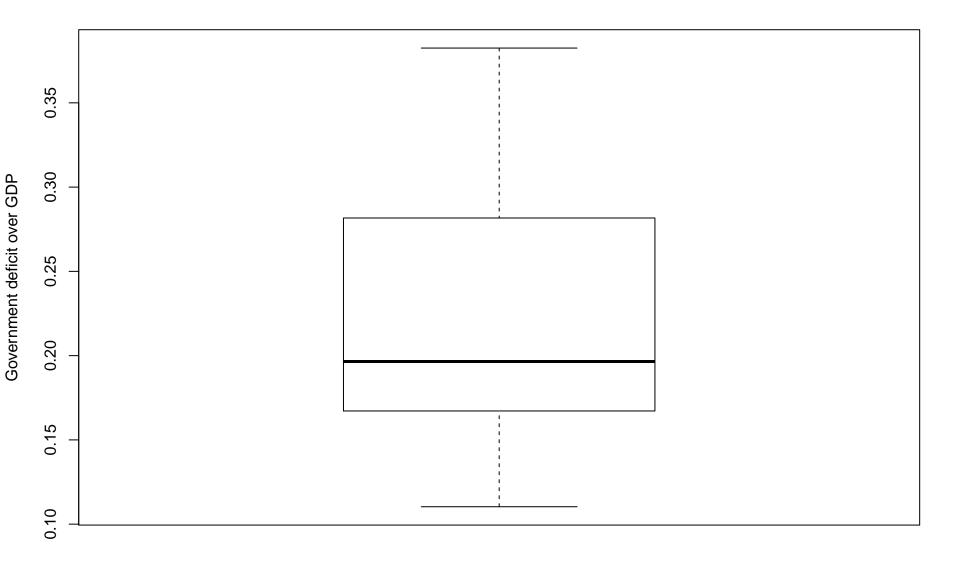




Government total expenditure

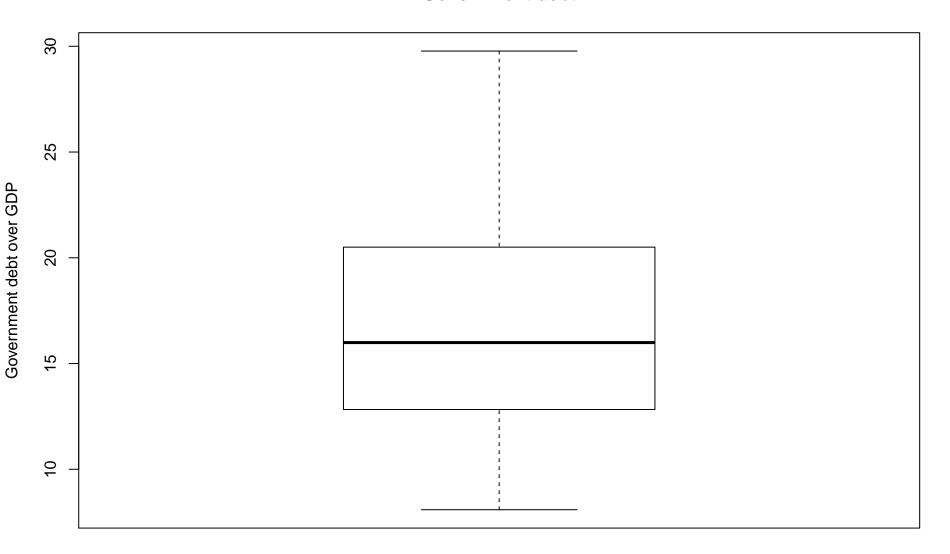


Government deficit

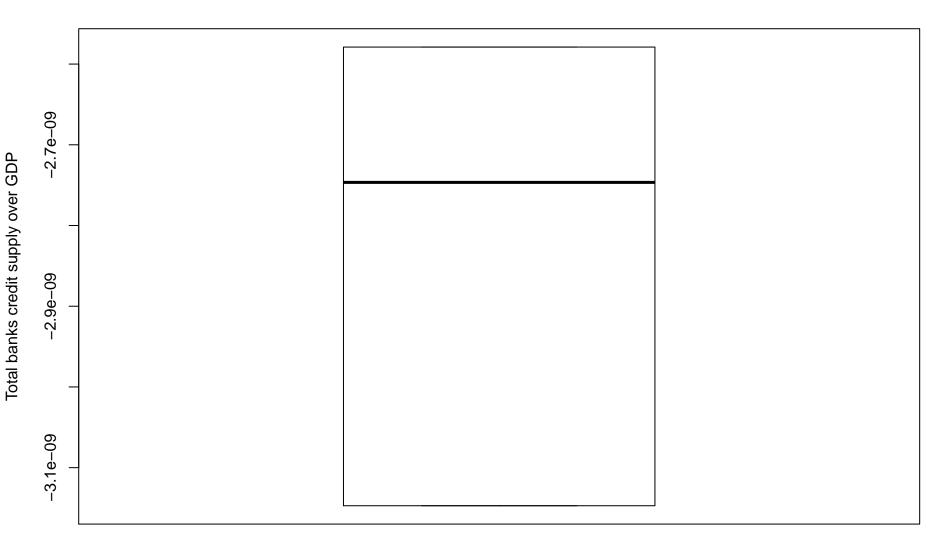


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)

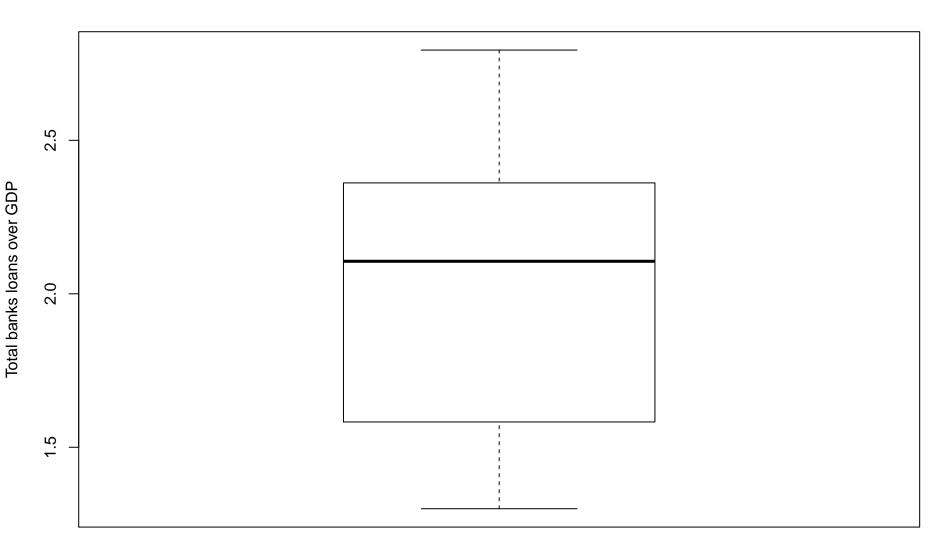
Government debt



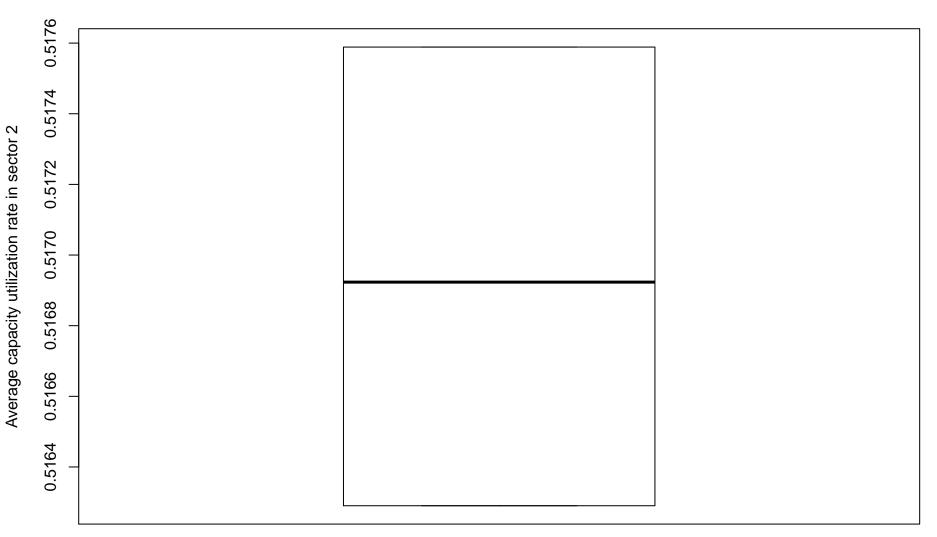




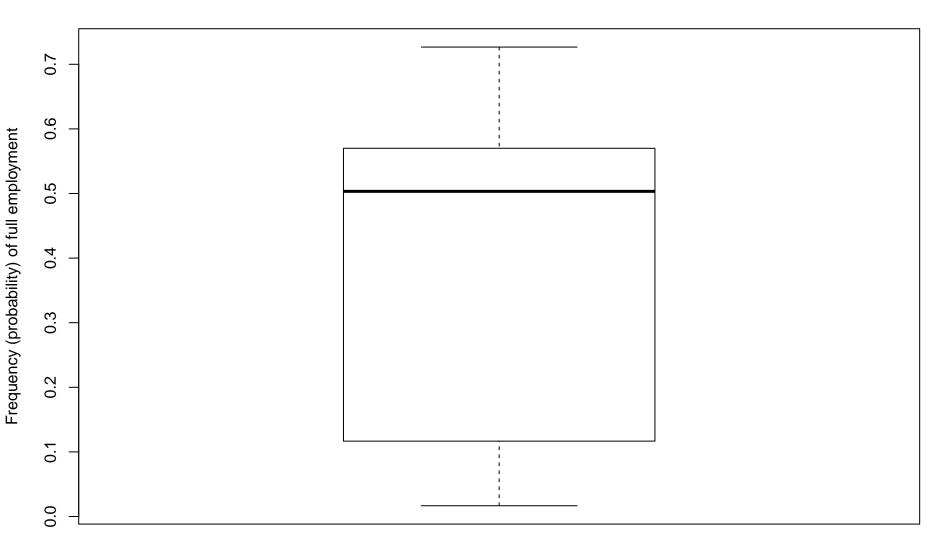




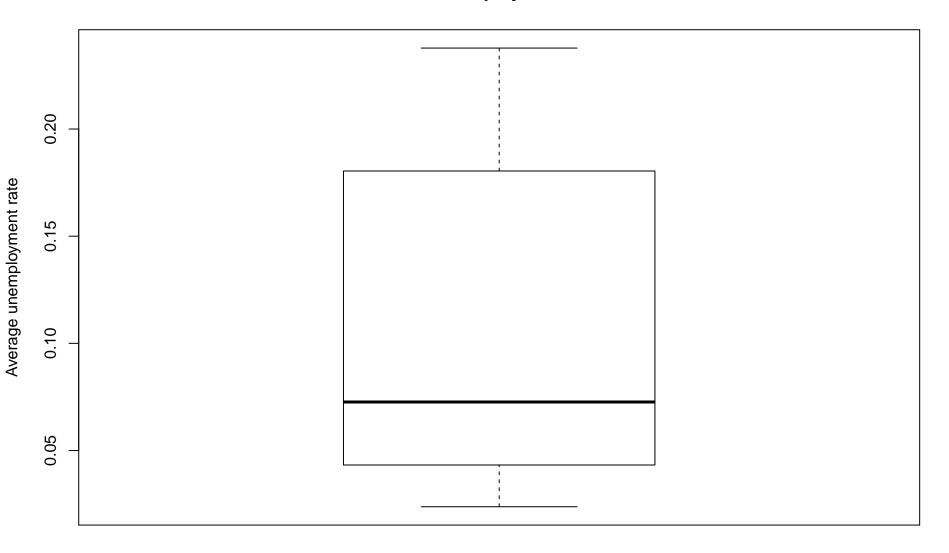




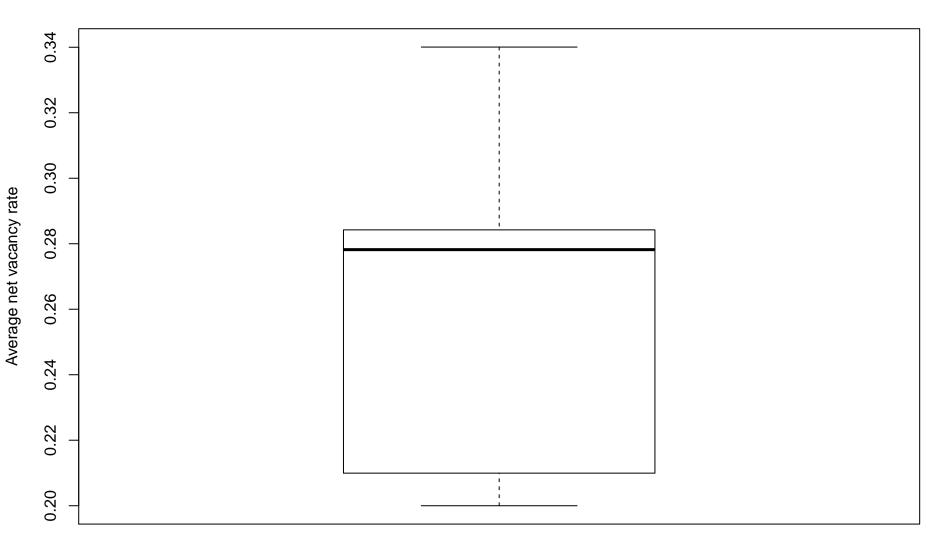
Full employment frequency



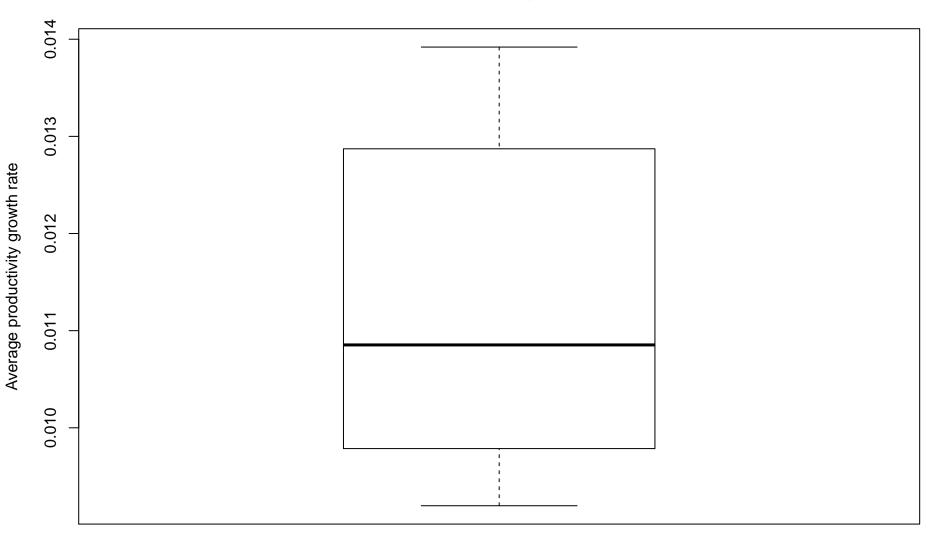
Unemployment



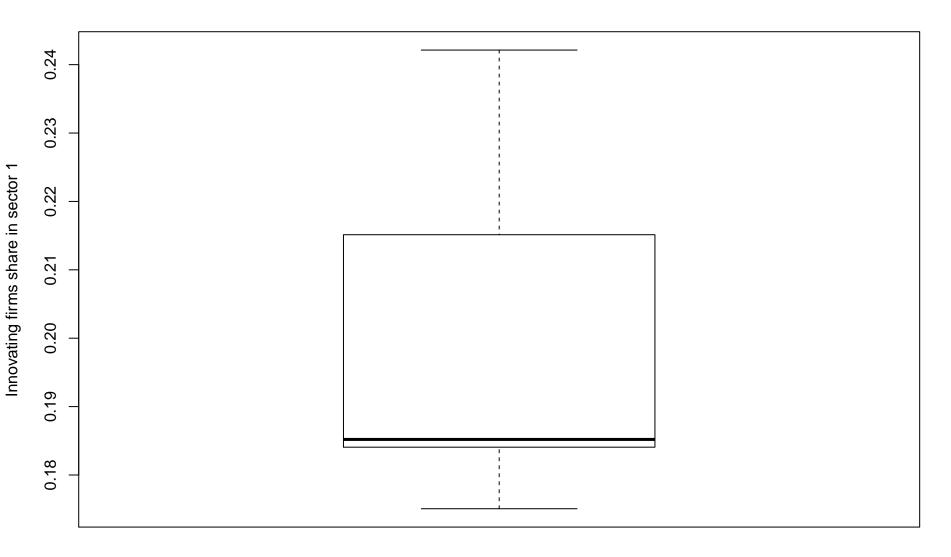






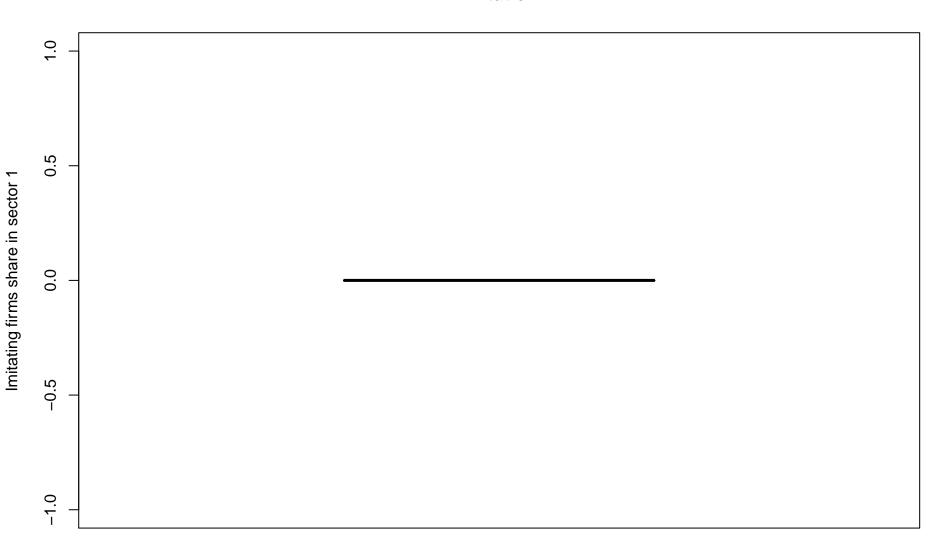




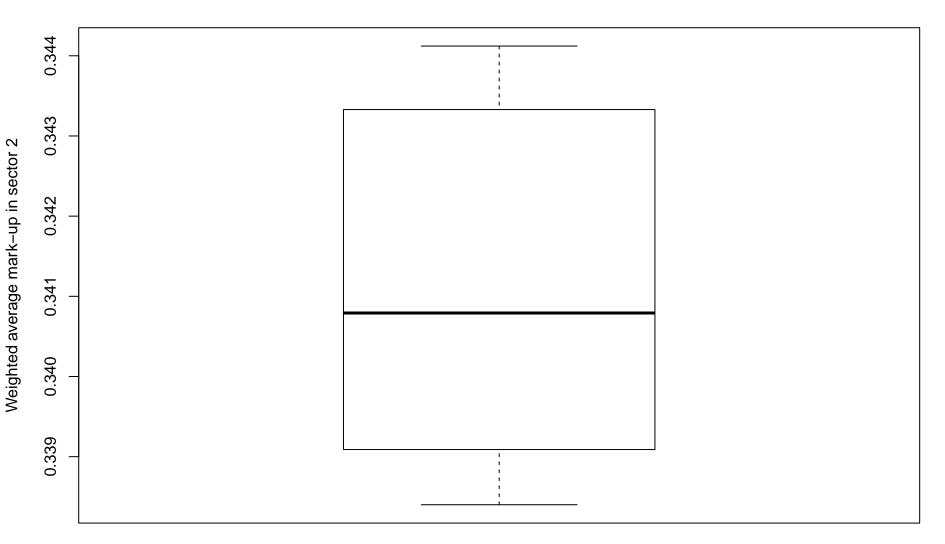


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)



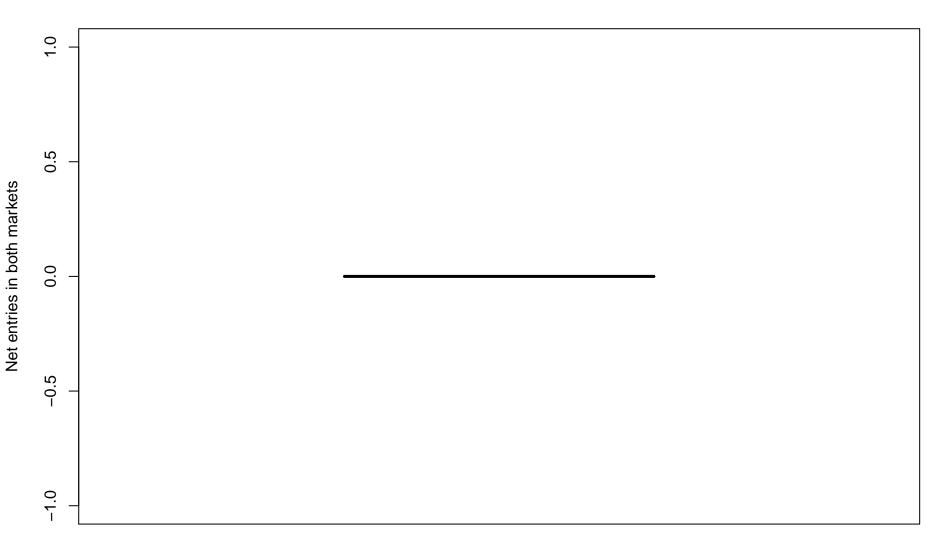






(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)





Monte Carlo descriptive statistics (all experiments)

	Avg[1]	SD[1]	Min[1]	Max[1]
GDP growth	0.01138	0.002407	0.008754	0.01439
Volatility of GDP growth	0.09228	0.004651	0.08805	0.09886
Likelihood of GDP crises	0.2613	0.04253	0.2167	0.3033
Inflation	0.002276	0.0004866	0.001625	0.002963
Tax	0.02454	0.001658	0.02283	0.0266
Government total expenditure	0.04609	0.04055	0.008629	0.1004
Government deficit	0.2276	0.1064	0.1103	0.3825
Government debt	17.44	8.252	8.087	29.77
Credit supply	-3.895e-09	3.284e-09	-9.646e-09	-1.356e-09
Loans	2.029	0.5985	1.3	2.794
Capacity utilization	0.5171	0.006496	0.5081	0.5264
Full employment frequency	0.3867	0.3052	0.01667	0.7267
Unemployment	0.1116	0.09296	0.02376	0.2378
Vacancy	0.2625	0.05788	0.2	0.3401
Productivity growth	0.01133	0.002015	0.009198	0.01392
Innovation	0.2003	0.02783	0.1751	0.2421
Imitation	0	0	0	0
Market concentration	0.002813	0.0002645	0.002479	0.003149
Mark-ups	0.3411	0.002526	0.3384	0.3441
Net entry of firms	0	0	0	0

Experiments: [1] Free entry (numbers in brackets indicate the experiment number / MC runs = 5 / period = 301 - 600)