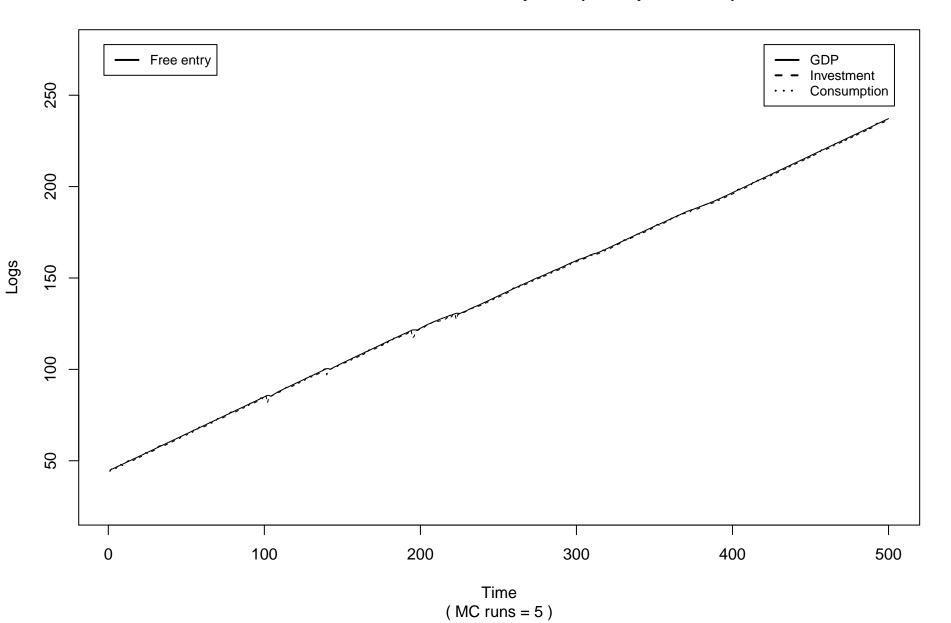
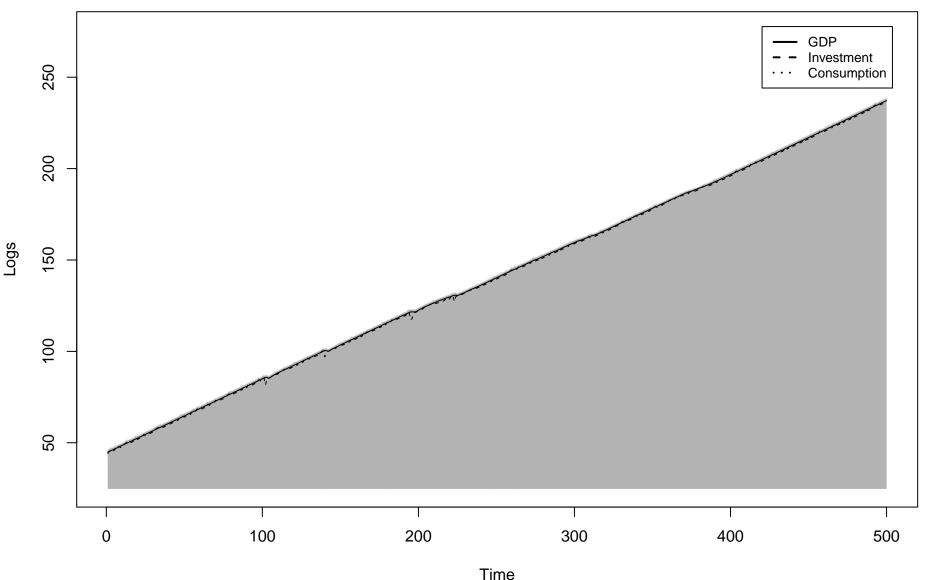
GDP, investment and consumption (all experiments)

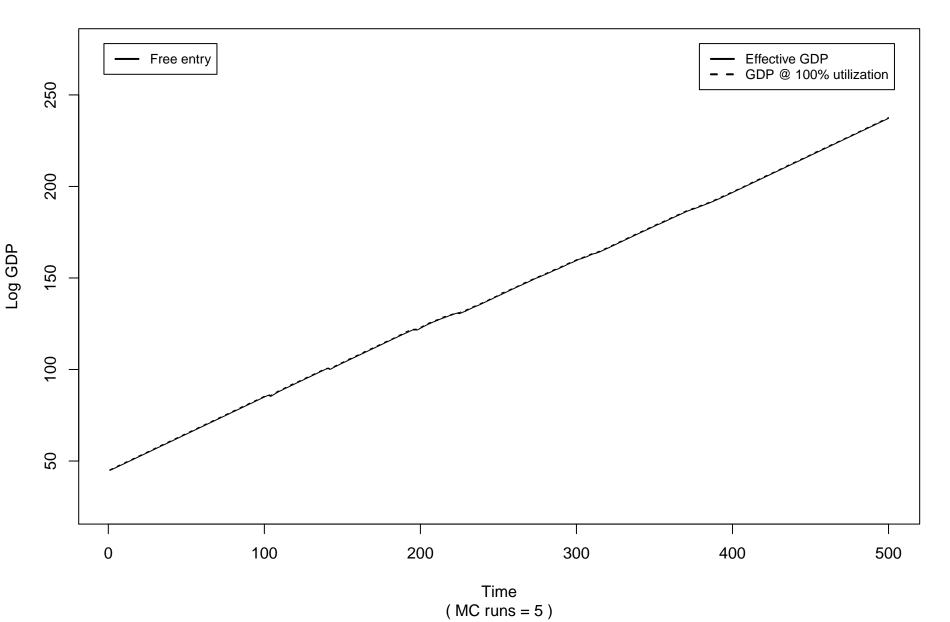


GDP, investment and consumption (Free entry)

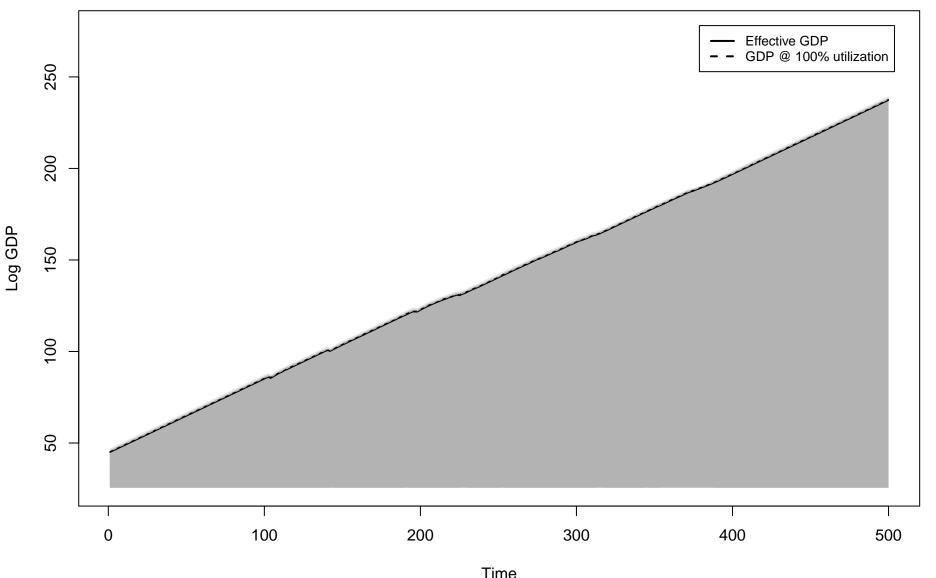


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

GDP (all experiments)

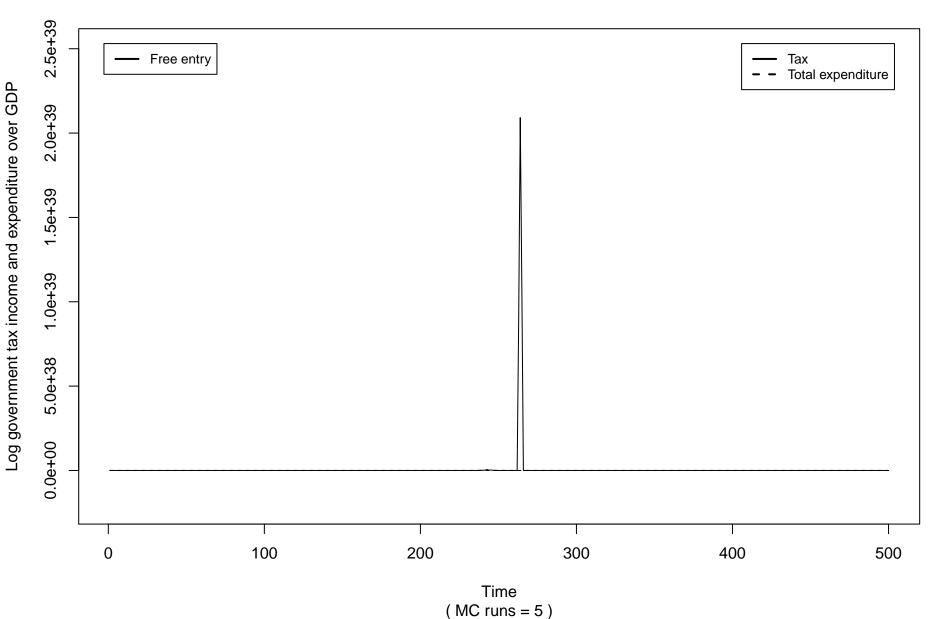


GDP (Free entry)

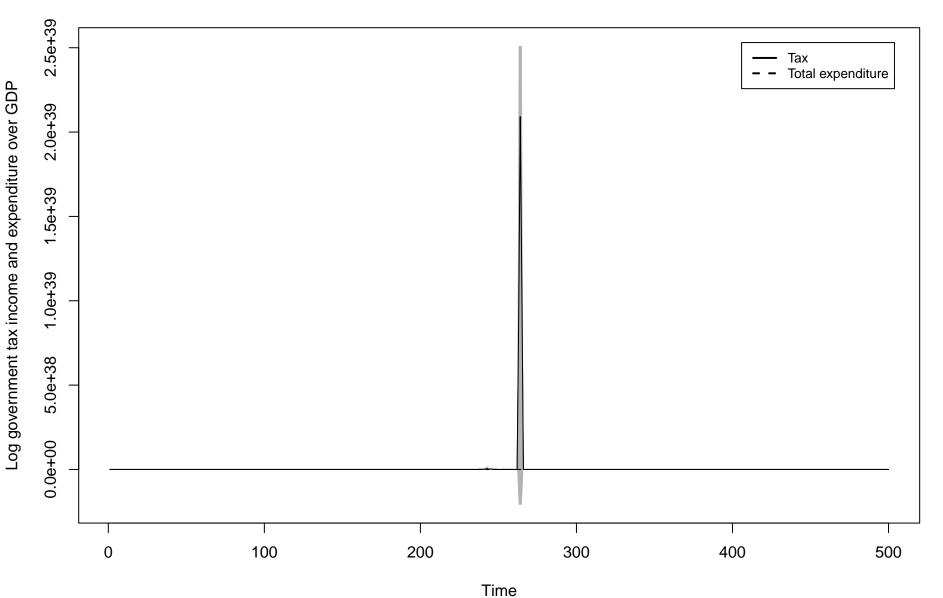


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government income and expenditure on GDP (all experiments)

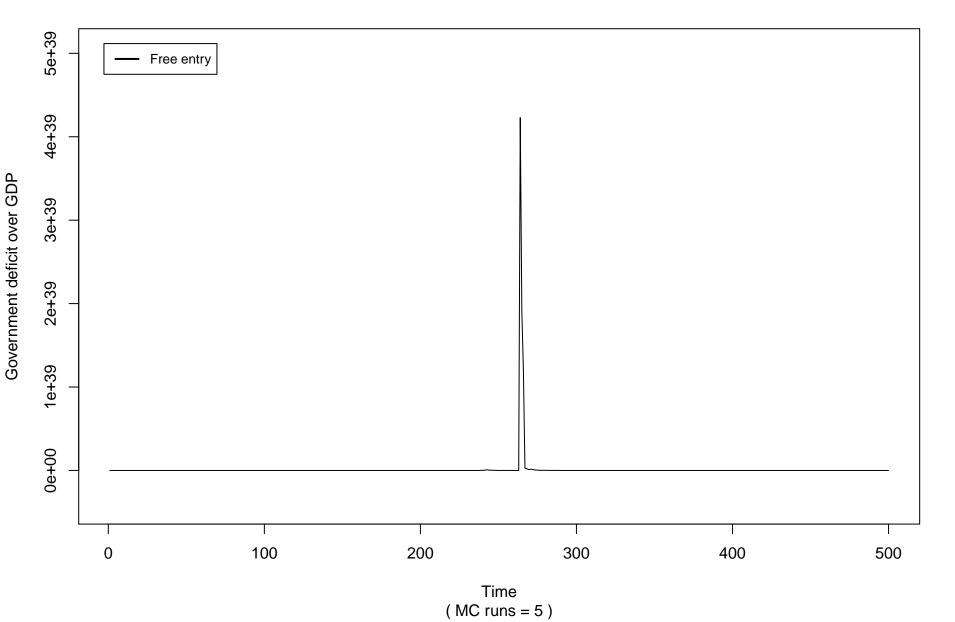


Government income and expenditure on GDP (Free entry)

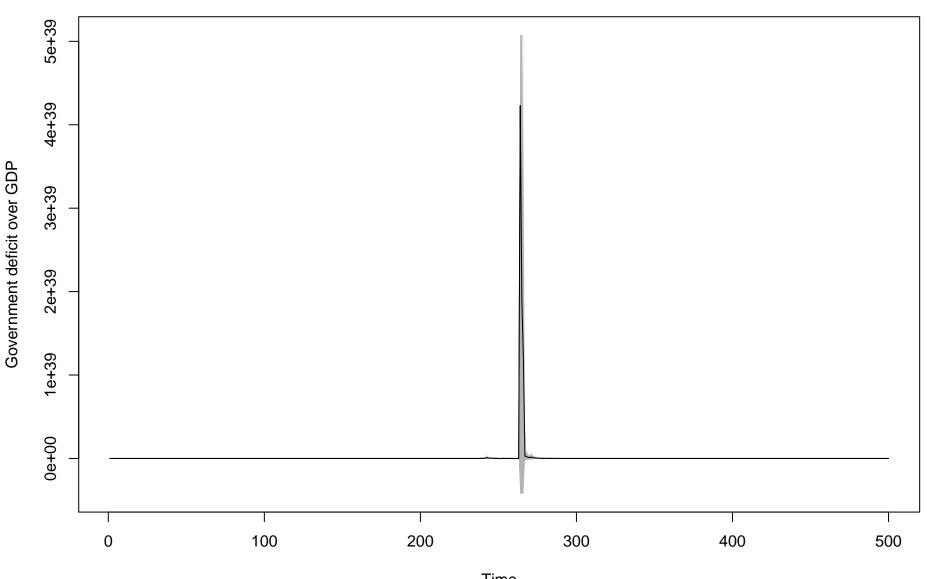


(95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government deficit on GDP (all experiments)

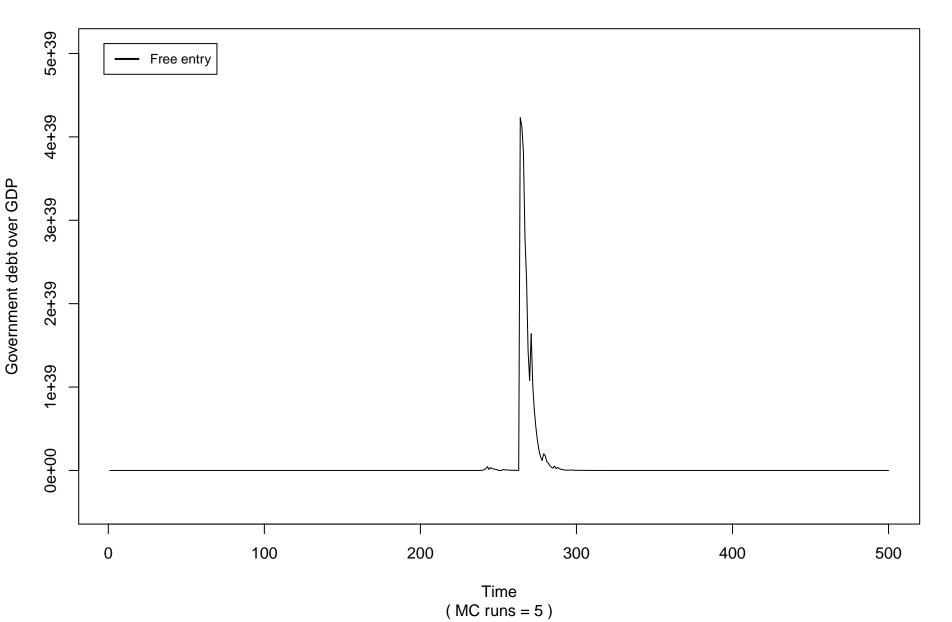


Government deficit on GDP (Free entry)

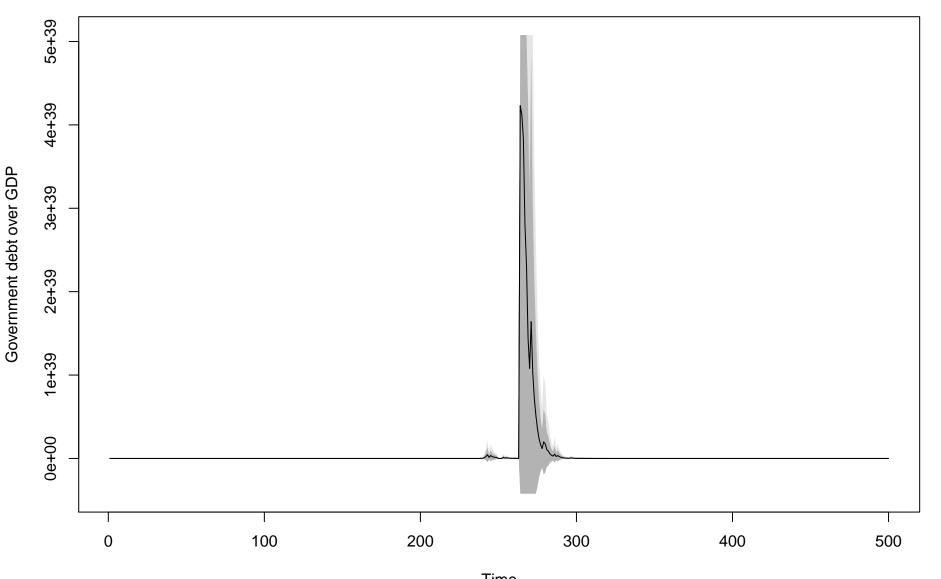


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government debt on GDP (all experiments)

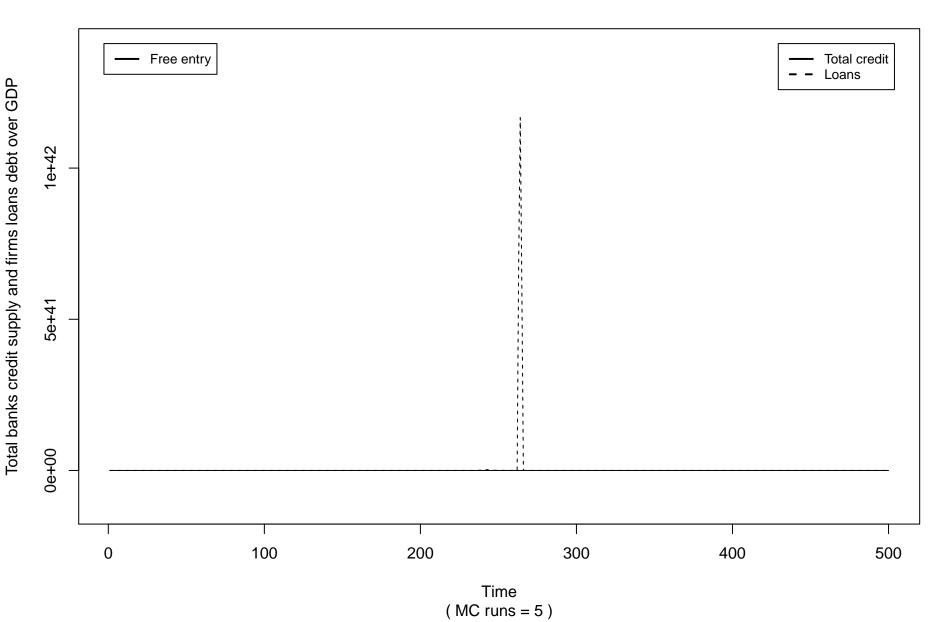


Government debt on GDP (Free entry)

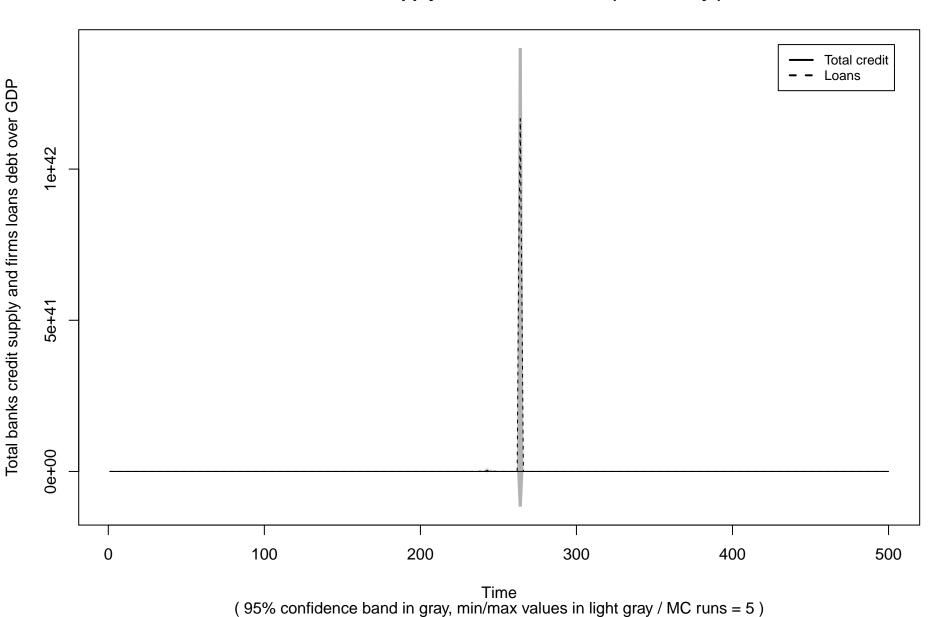


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

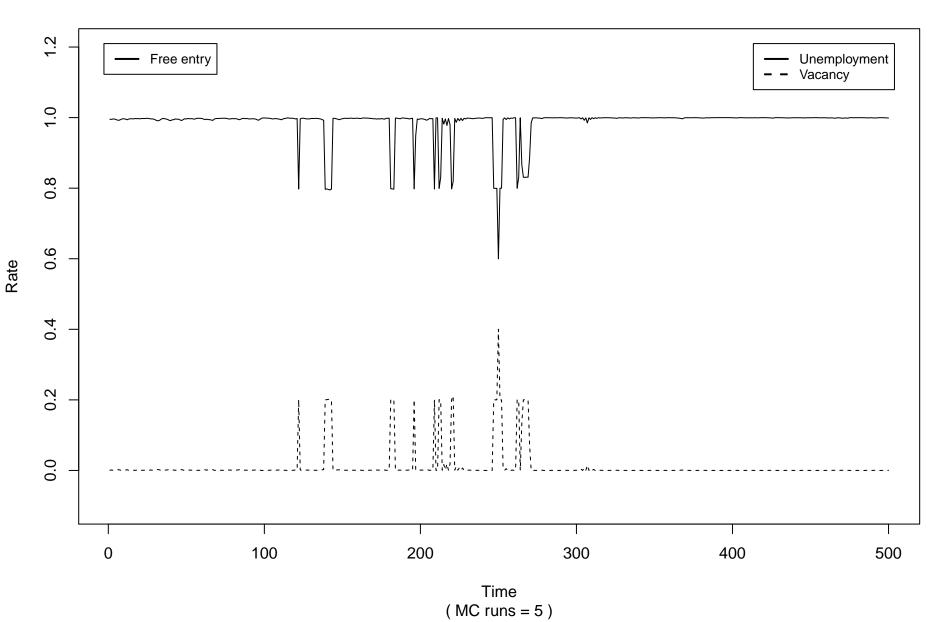
Total credit supply and loans on GDP (all experiments)



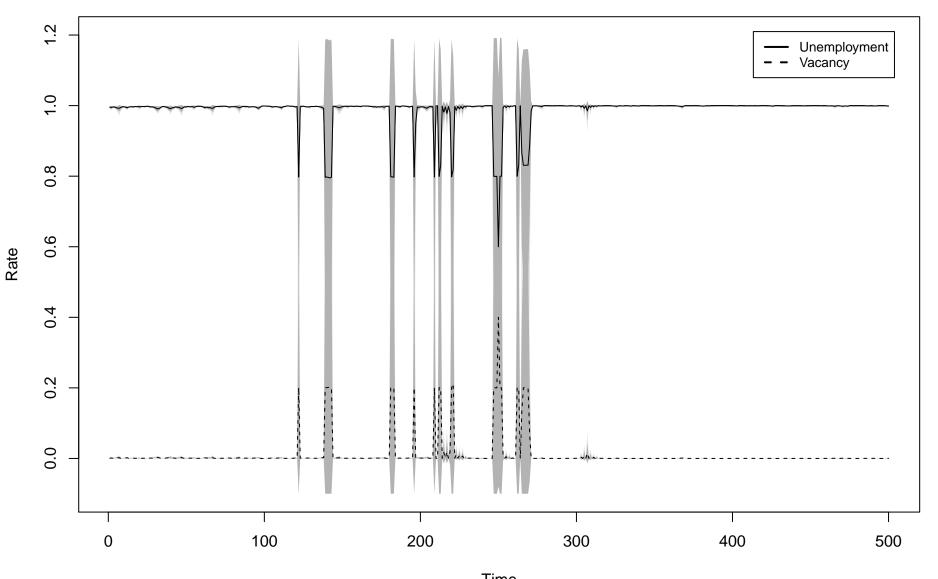
Total credit supply and loans on GDP (Free entry)



Unemployment and vacancy rates (all experiments)

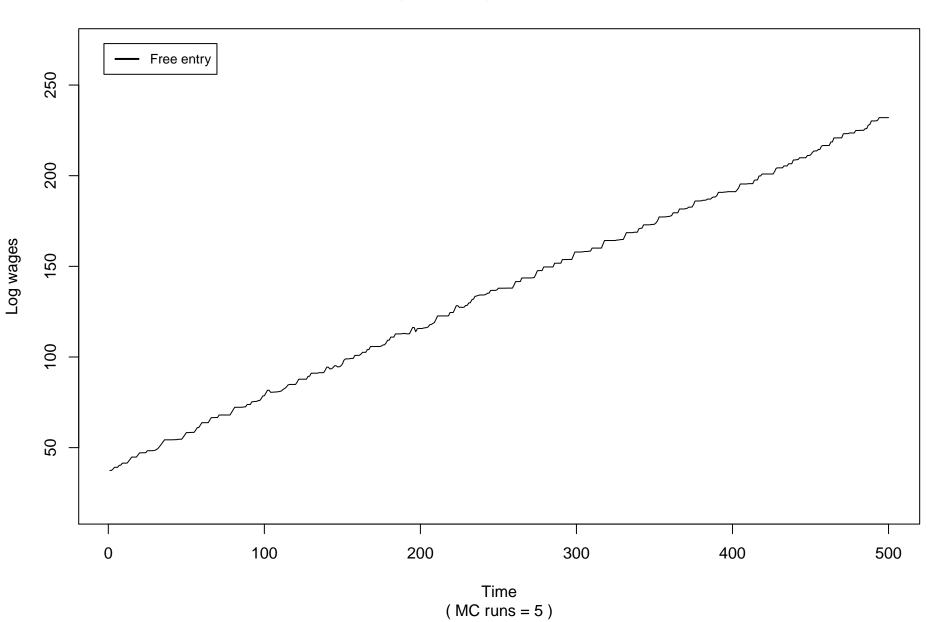


Unemployment and vacancy rates (Free entry)

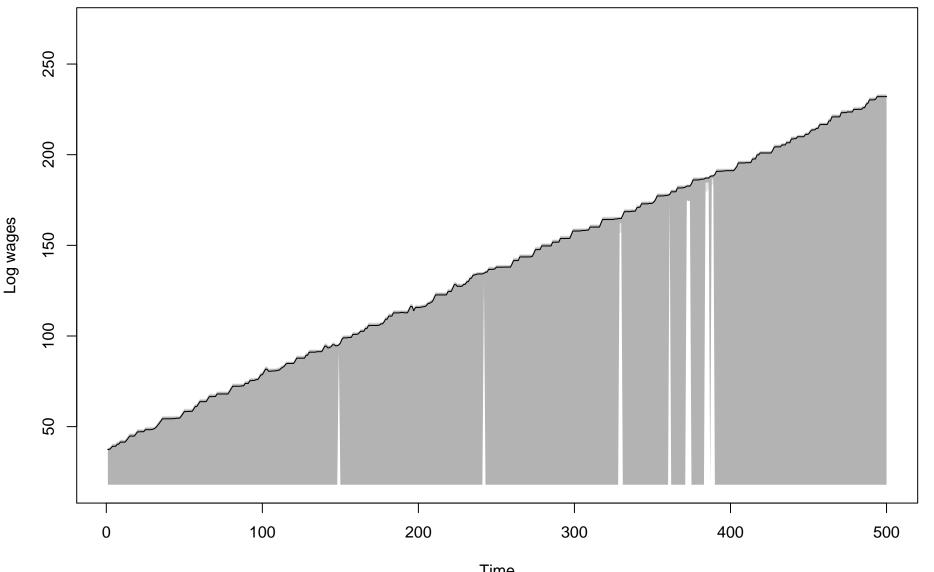


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Real wages average (all experiments)

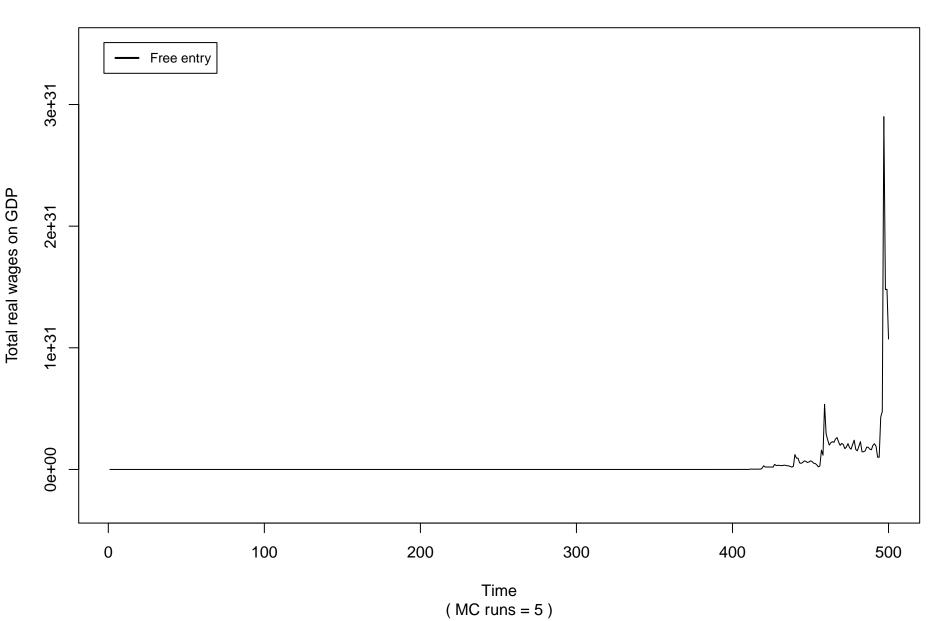


Real wages average (Free entry)

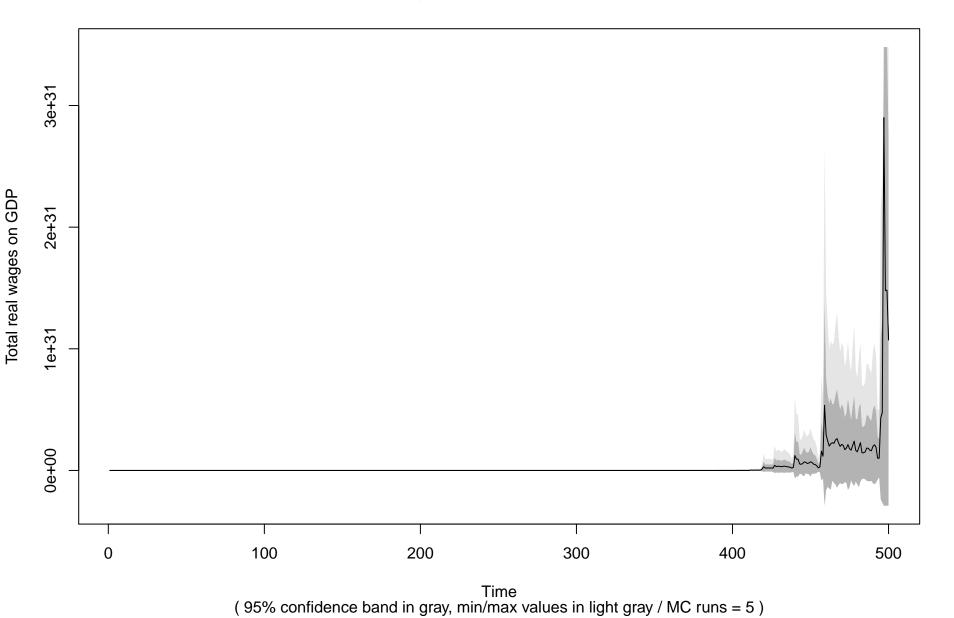


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

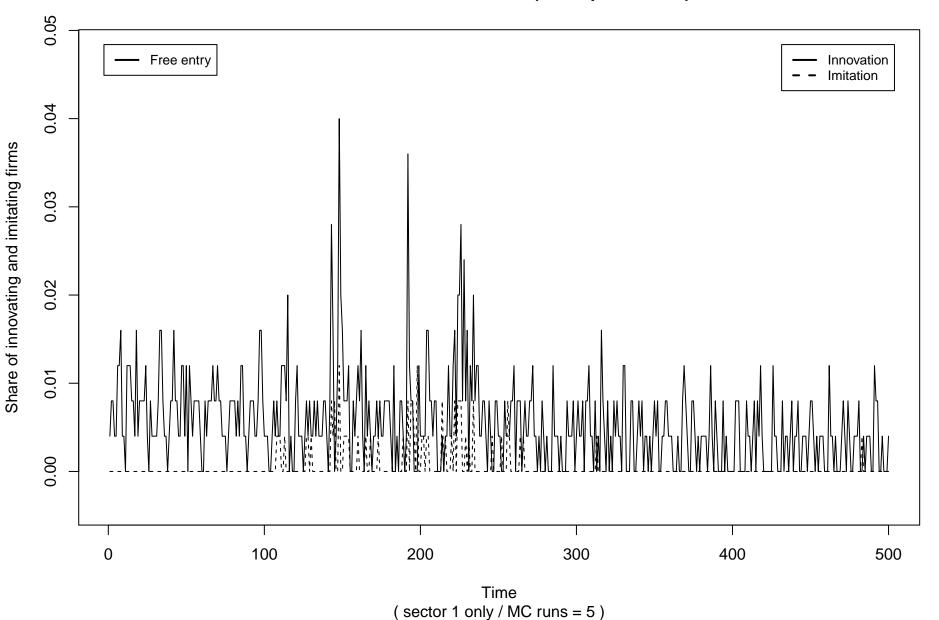
Wage share (all experiments)



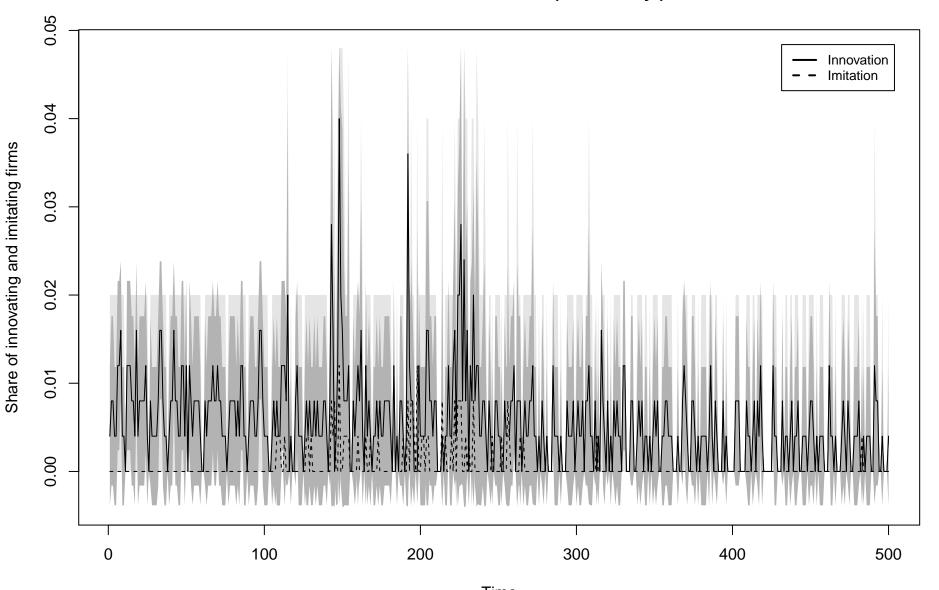
Wage share (Free entry)



Innovation and imitation (all experiments)

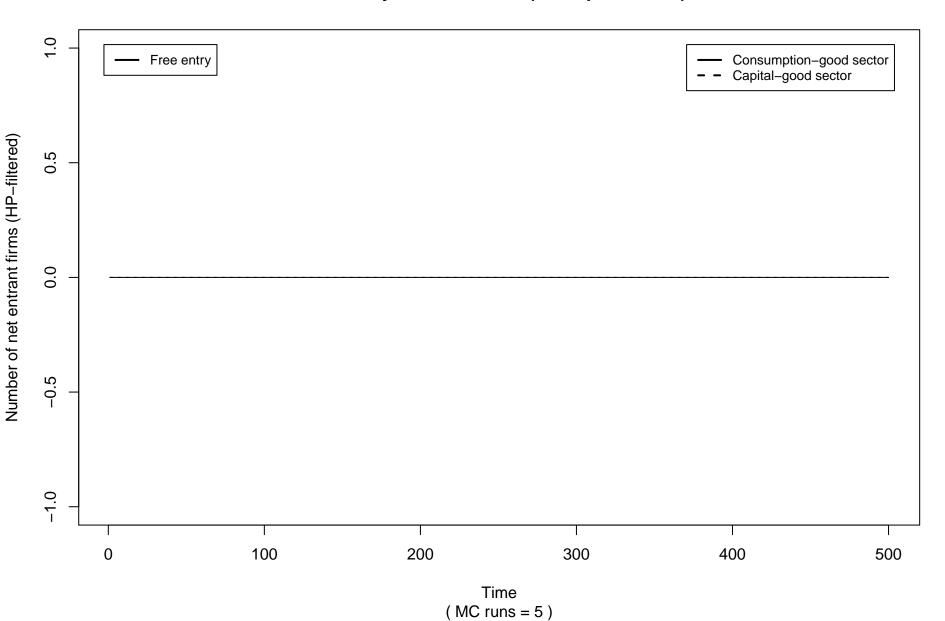


Innovation and imitation (Free entry)

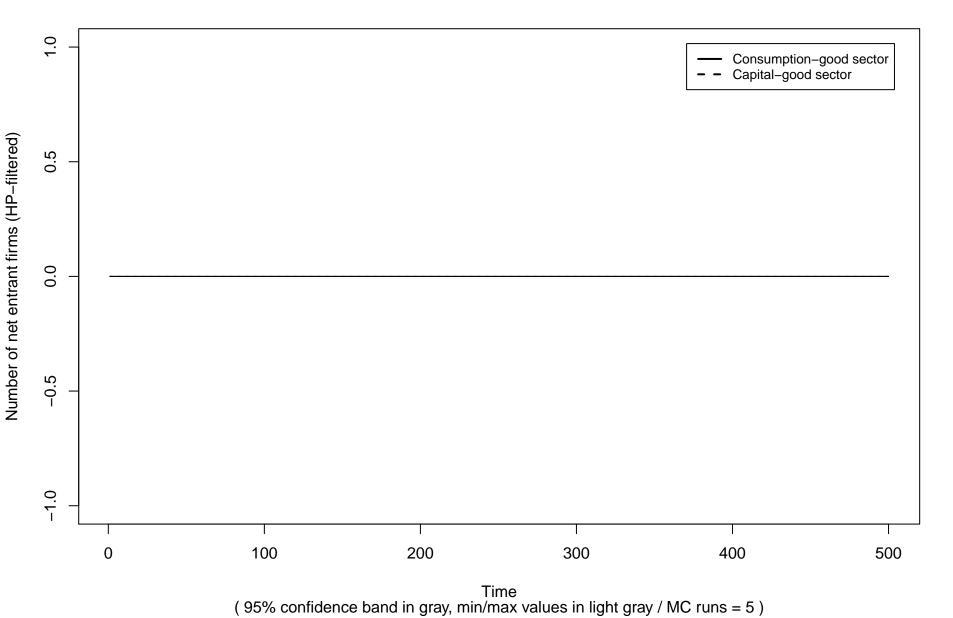


Time (95% confidence band in gray, min/max values in light gray / sector 1 only / MC runs = 5)

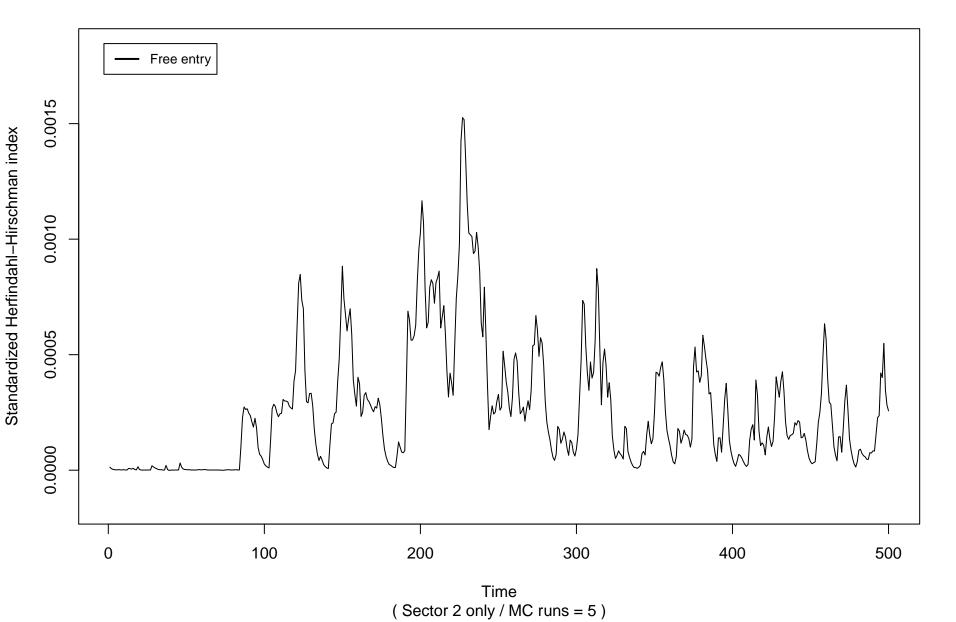
Net entry of firms trend (all experiments)



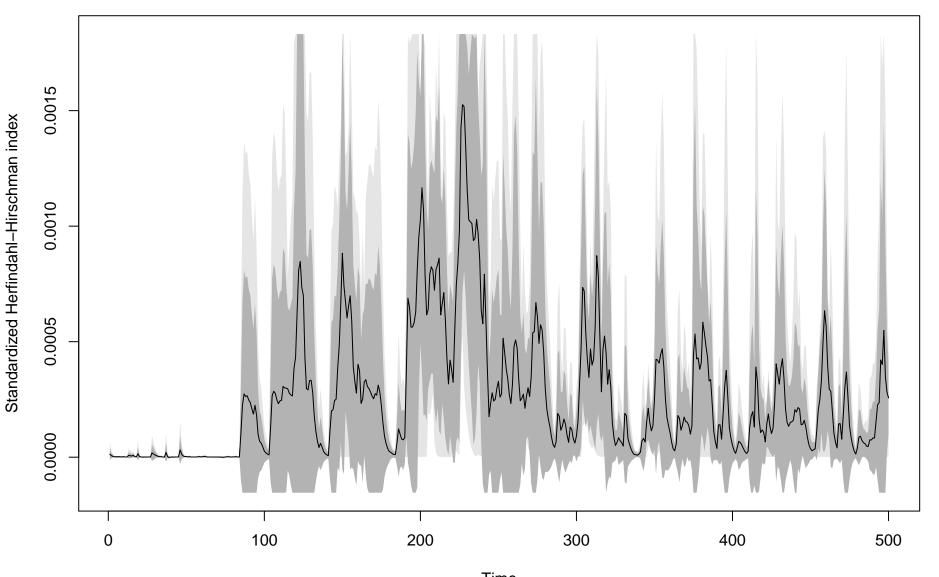
Net entry of firms trend (Free entry)



Market concentration (all experiments)

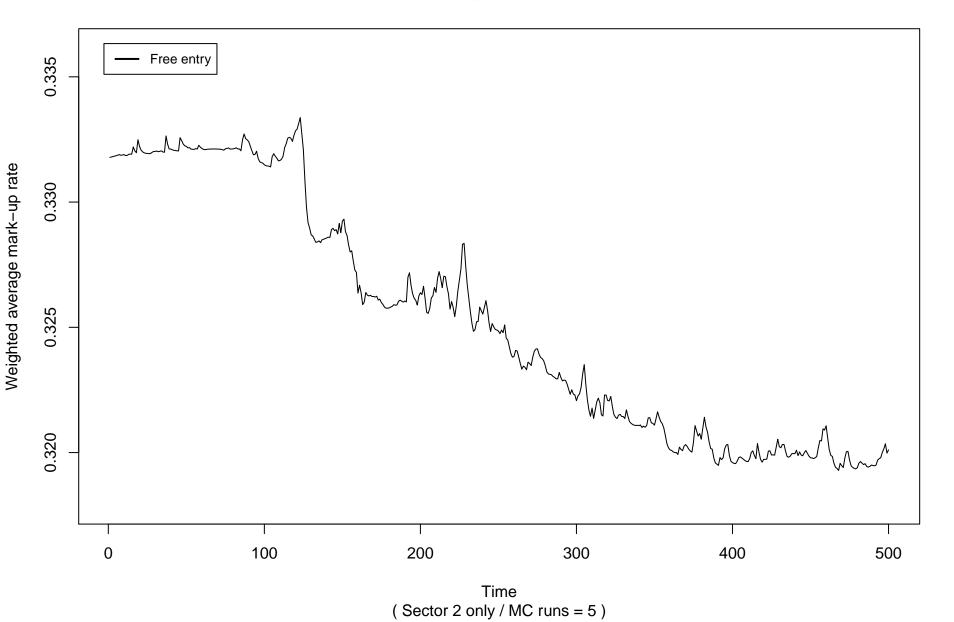


Market concentration (Free entry)

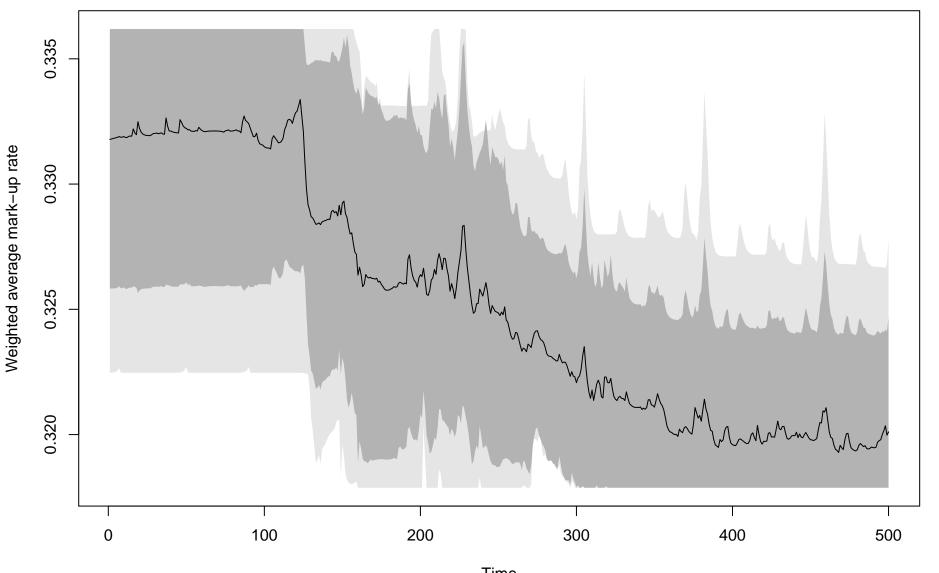


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

Mark-up average (all experiments)

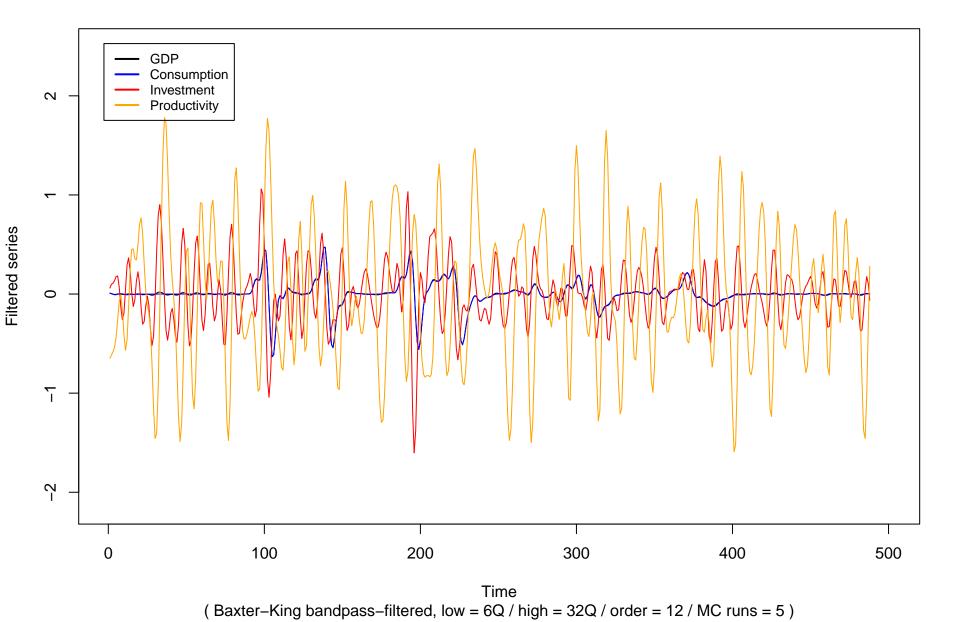


Mark-up average (Free entry)

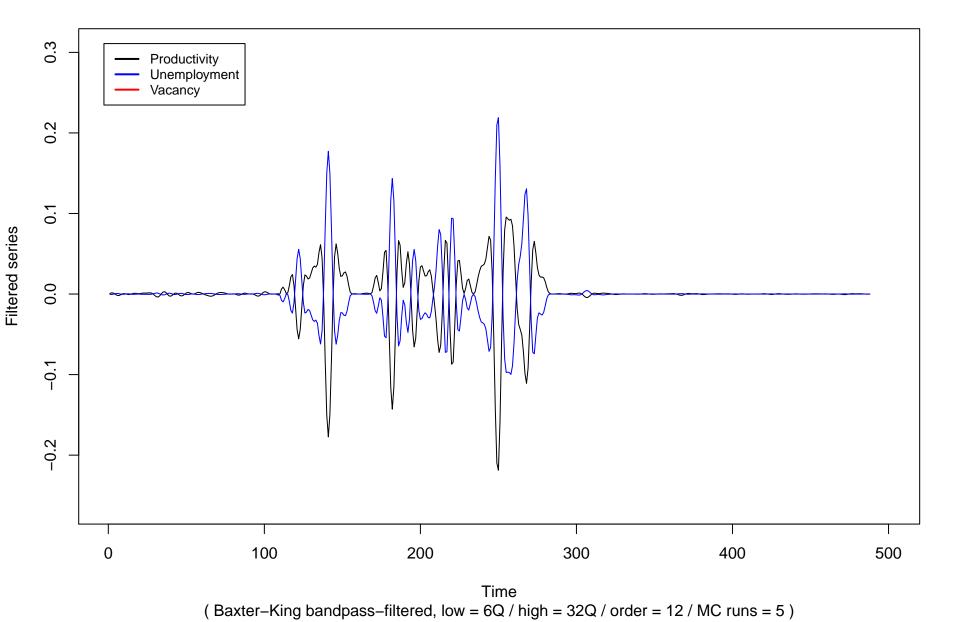


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

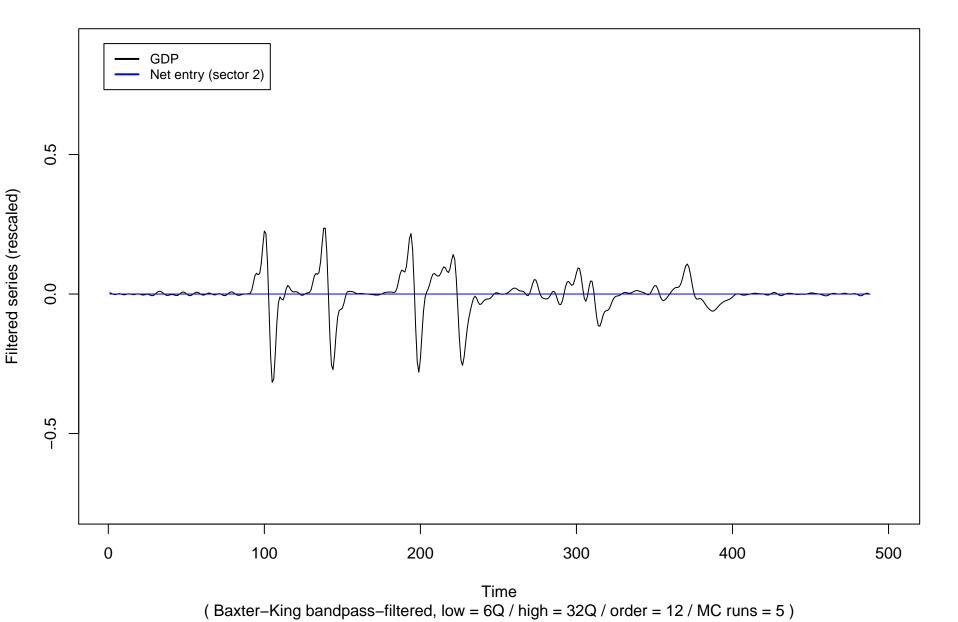
GDP cycles (Free entry)



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	0.3557	0.3557	0.3544	0.3714	0.372
(s.e.)	0.02236	0.02236	0.02318	0.02294	0.02228
ADF test (logs)	-2.873	-3.137	-6.339	-3.033	-3.306
(s.e.)	1.241	1.214	0.7017	0.5886	0.6457
(p-val.)	0.4373	0.3349	0.01298	0.2273	0.2304
(s.e.)	0.1841	0.1816	0.002985	0.1851	0.178
ADF test (bpf)	-5.738	-5.536	-8.952	-6.179	-5.831
(s.e.)	0.2198	0.3545	1.287	0.468	0.06788
(p-val.)	0.01	0.01	0.01	0.01	0.01
(s.e.)	0	0	0	0	0
s.d. (bpf)	0.1927	0.286	6.357	0.8956	1.067
(s.e.)	0.03498	0.1338	2.807	0.05163	0.1356
relative s.d. (GDP)	1	1.484	32.99	4.648	5.537

Correlation structure for GDP (Free entry)

	-4	-3	-2	-1	0	1	2	3	4	
GDP (output)	-0.03566	0.2185	0.5658	0.8736	1	0.8736	0.5658	0.2185	-0.03566	
(s.e.)	0.1149	0.1091	0.06856	0.02113	0	0.02113	0.06856	0.1091	0.1149	
(p-val.)	0.02462	0.04926	0.001047	1.5e-06	NA	1.5e-06	0.001047	0.04926	0.02462	
Consumption	0.05298	0.2435	0.5089	0.7656	0.8997	0.8279	0.5834	0.268	0.0002886	
(s.e.)	0.1072	0.1512	0.1456	0.09817	0.06594	0.0894	0.09842	0.09163	0.09298	
(p-val.)	0.03402	5.35e-05	0.009439	0.001106	0.0001204	0.0005582	0.003455	0.01425	0.01583	
Investment	-0.1776	-0.2609	-0.3448	-0.3528	-0.2167	0.01259	0.2175	0.3075	0.2631	
(s.e.)	0.04909	0.05945	0.0737	0.09309	0.08809	0.0841	0.09382	0.09507	0.09316	
(p-val.)	0.05884	0.01916	0.01145	0.0214	0.09792	0.2214	0.1084	0.03747	0.06038	
Net investment	-0.1748	-0.2626	-0.3522	-0.3653	-0.2315	-0.0003829	0.2101	0.3071	0.2681	
(s.e.)	0.04897	0.06062	0.0771	0.09875	0.09491	0.08911	0.09595	0.09648	0.09552	
(p–val.)	0.06255	0.01974	0.01211	0.02231	0.09291	0.1902	0.108	0.03909	0.06015	
Change in inventories	-0.0686	0.3807	0.7275	0.7077	0.2879	-0.2969	-0.704	-0.7202	-0.3936	
(s.e.)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
(p–val.)	0.9958	0.5191	0.338	0.3431	0.6416	0.6271	0.3441	0.3398	0.5062	
Unemployment rate	-0.1513	-0.22	-0.2232	-0.108	0.1135	0.3174	0.4027	0.3452	0.1952	
(s.e.)	0.07071	0.09117	0.08128	0.07317	0.1267	0.1734	0.1614	0.1056	0.07391	
(p–val.)	0.1222	0.07031	0.05594	0.1248	0.1177	0.1016	0.05808	0.033	0.09714	
Productivity	0.147	0.1708	0.1655	0.1268	0.06201	-0.00783	-0.05838	-0.07421	-0.05491	
(s.e.)	0.03869	0.02824	0.02906	0.04037	0.05116	0.05591	0.06244	0.07386	0.07951	
(p–val.)	0.07925	0.0162	0.02114	0.1552	0.2262	0.3847	0.01778	0.03807	0.1317	
Mark-up (sector 2)	0.1818	0.05502	-0.07794	-0.1693	-0.1974	-0.1727	-0.1296	-0.09073	-0.06102	
(s.e.)	0.09689	0.1121	0.09965	0.05963	0.02999	0.05655	0.06993	0.05867	0.04524	
(p–val.)	0.1119	0.06158	0.1655	0.1044	0.008666	0.08831	0.2388	0.2681	0.1158	
Total firm debt	0.2415	0.3285	0.3513	0.3028	0.2103	0.1194	0.06893	0.0681	0.0954	
(s.e.)	0.0878	0.1128	0.1343	0.1475	0.1492	0.1301	0.08554	0.03737	0.06711	
(p–val.)	0.06985	0.04616	0.0568	0.1027	0.1124	0.08597	0.1097	0.519	0.2305	
Liquidity-to-sales ratio	0.1913	0.2189	0.1598	-0.003874	-0.2269	-0.3913	-0.4193	-0.2974	-0.08796	
(s.e.)	0.1292	0.124	0.1097	0.0632	0.04897	0.09795	0.1005	0.04906	0.08273	
(p–val.)	0.1353	0.05672	0.03609	0.2137	0.01999	0.01681	0.01394	0.005702	0.06792	
Bankruptcy rate	0.2148	0.1868	0.09483	-0.0207	-0.115	-0.1576	-0.1588	-0.1383	-0.1116	
(s.e.)	0.09441	0.08735	0.09289	0.09829	0.084	0.0656	0.0773	0.09174	0.07993	
(p-val.)	0.006852	0.04479	0.1256	0.2106	0.1464	0.007653	0.09136	0.161	0.1415	
(non-rate/ratio series are Baxter-King bandpass-filtered, low = 6Q / high = 32Q / order = 12 / MC runs = 5 / period = 301 - 600)										

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)

Correlation structure for GDP (Free entry)

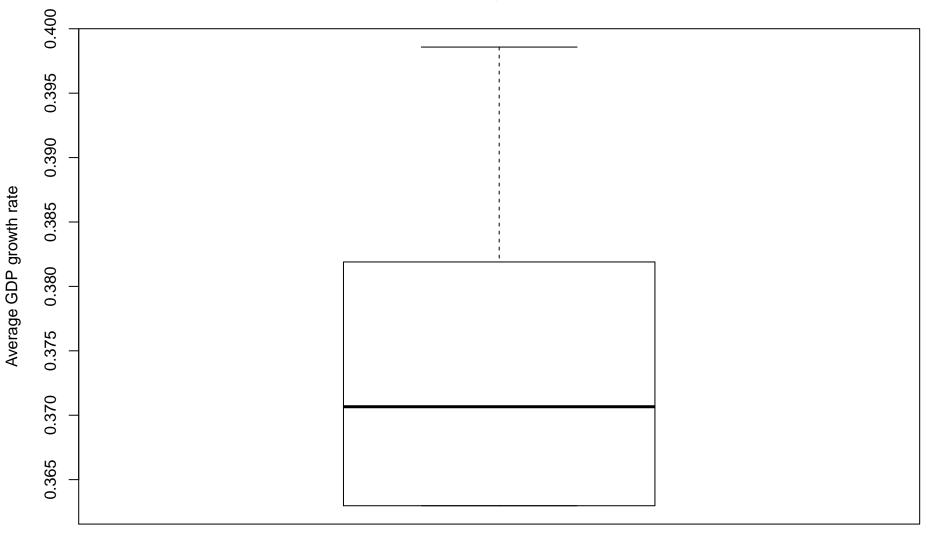
	-4	-3	-2	-1	0	1	2	3	4
GDP (output)	-0.03566	0.2185	0.5658	0.8736	1	0.8736	0.5658	0.2185	-0.03566
(s.e.)	0.1149	0.1091	0.06856	0.02113	0	0.02113	0.06856	0.1091	0.1149
(p–val.)	0.02462	0.04926	0.001047	1.5e-06	NA	1.5e-06	0.001047	0.04926	0.02462
Consumption	0.05298	0.2435	0.5089	0.7656	0.8997	0.8279	0.5834	0.268	0.0002886
(s.e.)	0.1072	0.1512	0.1456	0.09817	0.06594	0.0894	0.09842	0.09163	0.09298
(p–val.)	0.03402	5.35e-05	0.009439	0.001106	0.0001204	0.0005582	0.003455	0.01425	0.01583
Investment	-0.1776	-0.2609	-0.3448	-0.3528	-0.2167	0.01259	0.2175	0.3075	0.2631
(s.e.)	0.04909	0.05945	0.0737	0.09309	0.08809	0.0841	0.09382	0.09507	0.09316
(p–val.)	0.05884	0.01916	0.01145	0.0214	0.09792	0.2214	0.1084	0.03747	0.06038
Productivity	0.147	0.1708	0.1655	0.1268	0.06201	-0.00783	-0.05838	-0.07421	-0.05491
(s.e.)	0.03869	0.02824	0.02906	0.04037	0.05116	0.05591	0.06244	0.07386	0.07951
(p–val.)	0.07925	0.0162	0.02114	0.1552	0.2262	0.3847	0.01778	0.03807	0.1317
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	-0.1828	-0.1128	-0.01273	0.1074	0.2289	0.3005	0.3032	0.2425	0.1503
(s.e.)	0.02935	0.0277	0.03135	0.0537	0.0743	0.06902	0.04686	0.04576	0.07012
(p-val.)	0.01243	0.151	0.8965	0.004871	0.02587	0.01654	0.004441	0.0119	0.06722
Wage	0.07196	0.06538	0.08219	0.113	0.1298	0.1097	0.05431	-0.009512	-0.047
(s.e.)	0.05612	0.06544	0.05192	0.08334	0.1437	0.1684	0.1393	0.07792	0.05196
(p-val.)	0.01226	0.03235	0.4433	0.2268	0.09753	0.07621	0.06099	0.08273	0.3326
Unemployment rate	-0.1513	-0.22	-0.2232	-0.108	0.1135	0.3174	0.4027	0.3452	0.1952
(s.e.)	0.07071	0.09117	0.08128	0.07317	0.1267	0.1734	0.1614	0.1056	0.07391
(p-val.)	0.1222	0.07031	0.05594	0.1248	0.1177	0.1016	0.05808	0.033	0.09714
Vacancy rate	0.152	0.209	0.2041	0.08831	-0.1258	-0.3192	-0.3964	-0.3367	-0.1894
(s.e.)	0.07317	0.09911	0.08899	0.07094	0.125	0.1775	0.1686	0.1119	0.07482
(p–val.)	0.1441	0.08088	0.0802	0.1566	0.1192	0.08816	0.06689	0.04173	0.1087

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

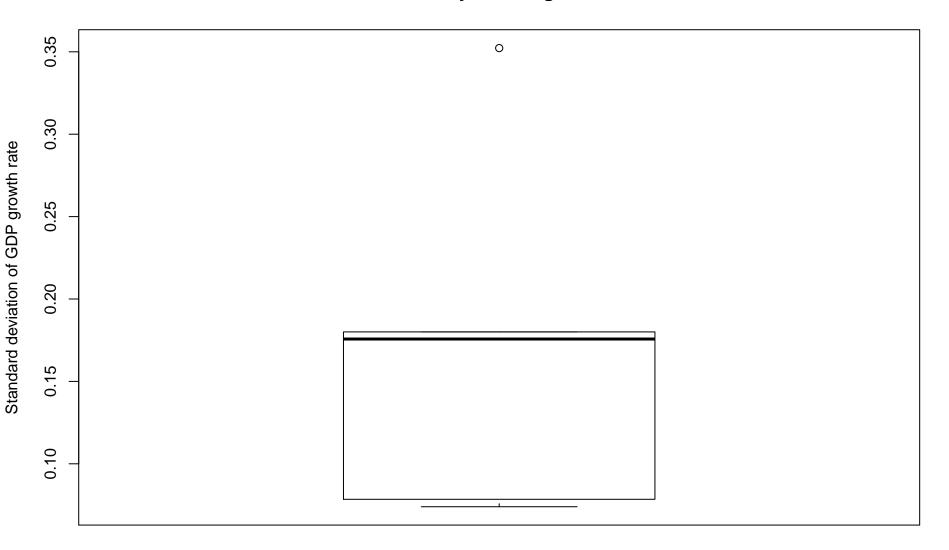
	avg.ADF	rej.ADF	avg.PP	rej.PP	avg.KPSS	rej.KPSS	avg.BDS	rej.BDS	avg.KS	rej.KS	AD	V
dGDP	0.01	1.00	0.01	1.00	0.07	0.20	0.00	1.00	0.00	1.00	0.00	C
dA	0.01	1.00	0.01	1.00	0.07	0.20	0.10	0.20	0.01	0.90	0.00	C
dw	0.01	1.00	0.01	1.00	0.08	0.20	0.05	0.80	0.01	0.90	0.00	C
V	0.01	1.00	0.01	1.00	0.06	0.40	0.00	1.00	0.00	1.00	0.00	C
U	0.01	1.00	0.01	1.00	0.06	0.40	0.00	1.00	0.00	1.00	0.00	C
mu2avg	0.34	0.20	0.26	0.20	0.01	1.00	0.00	1.00	0.00	1.00	0.00	C
HH1	0.01	1.00	0.01	1.00	0.02	0.80	0.00	1.00	0.46	0.20	0.99	C
HH2	0.01	1.00	0.01	1.00	0.04	0.60	0.00	1.00	0.04	0.90	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)

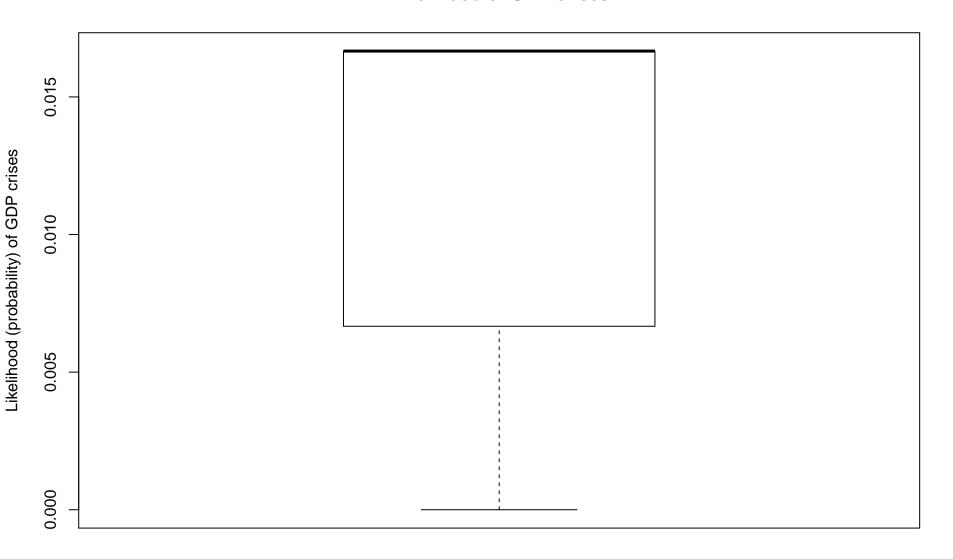




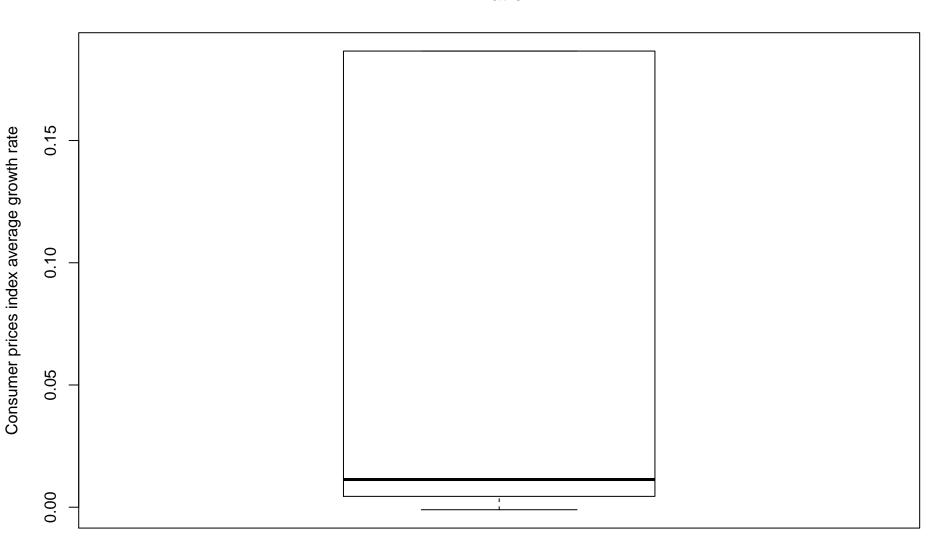
Volatility of GDP growth



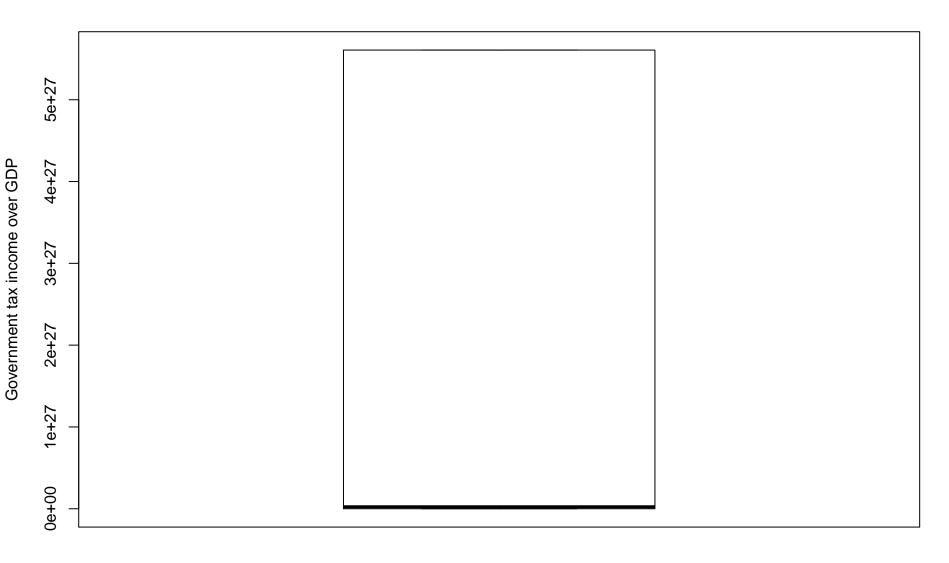
Likelihood of GDP crises



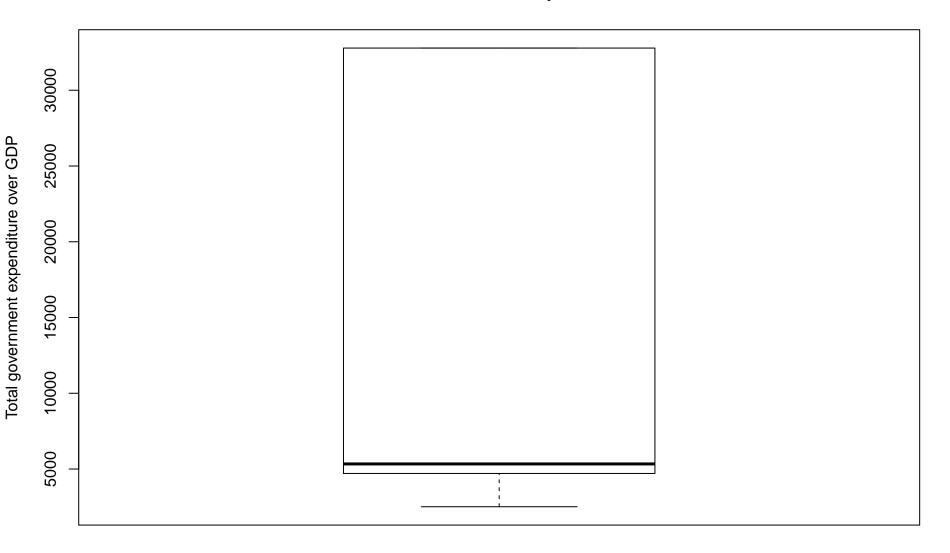




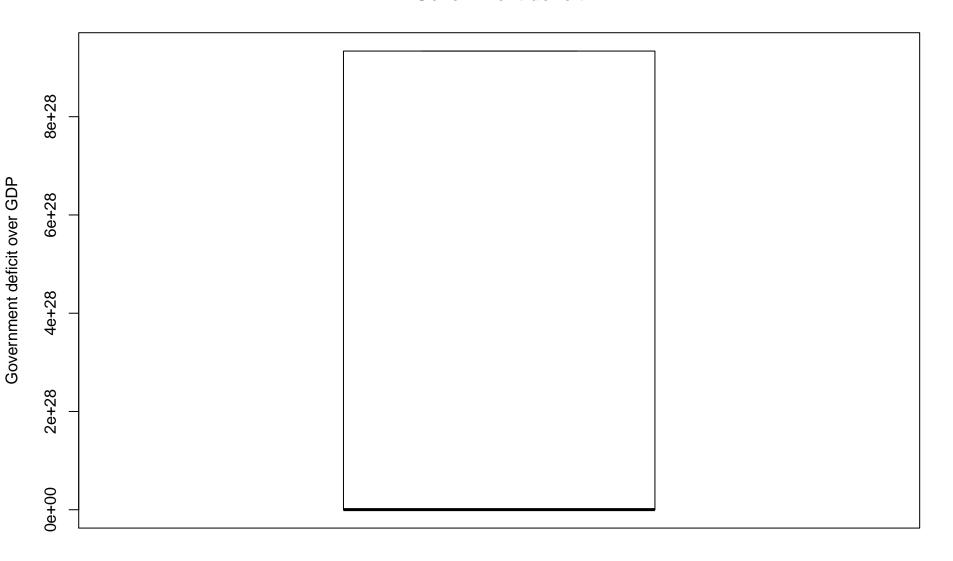




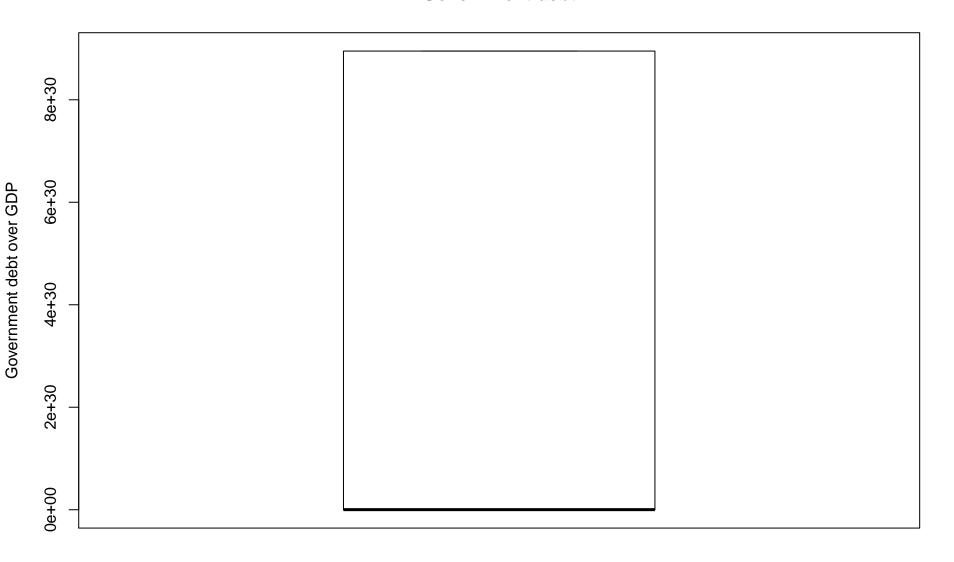
Government total expenditure



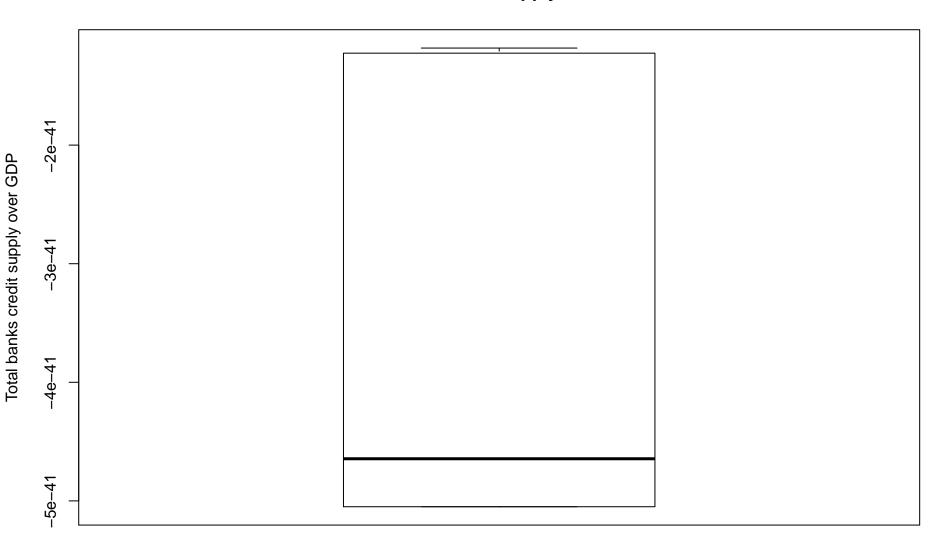
Government deficit



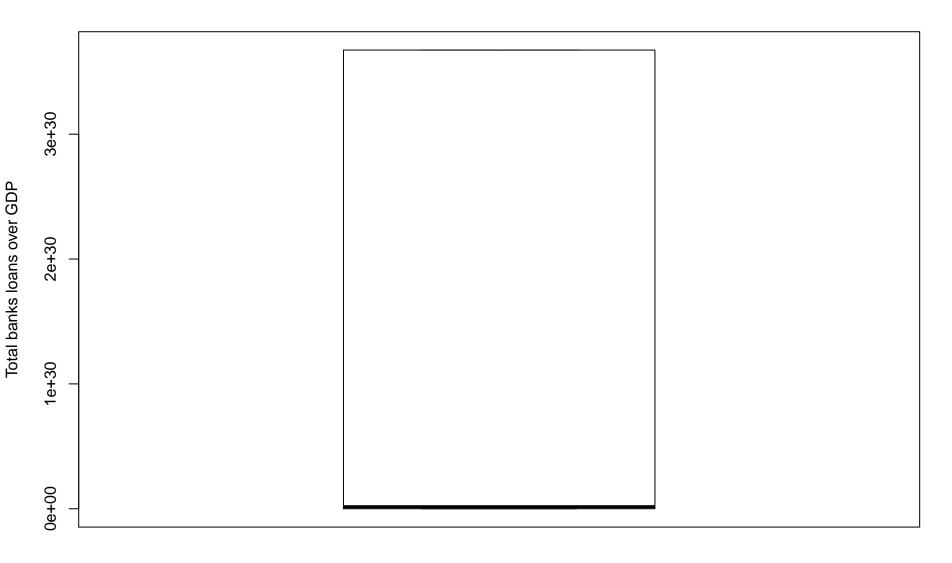
Government debt



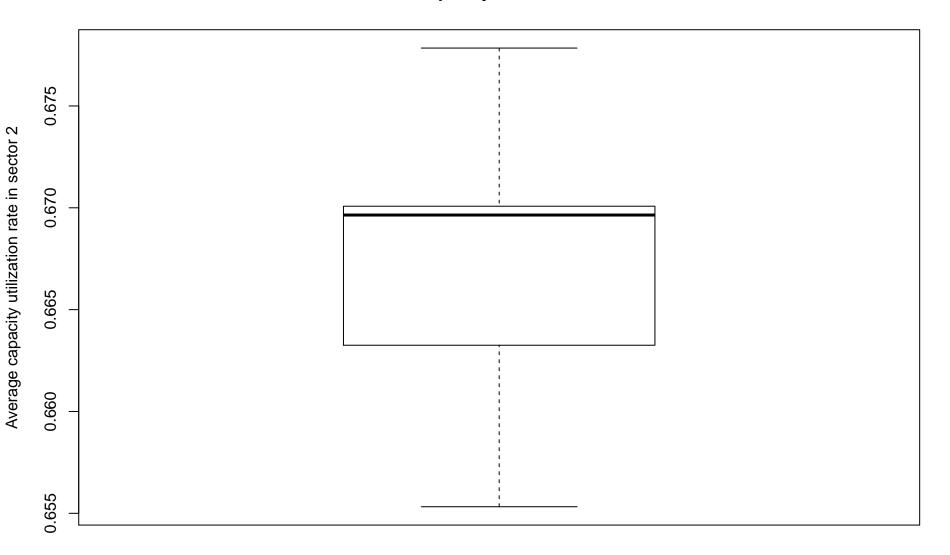
Credit supply





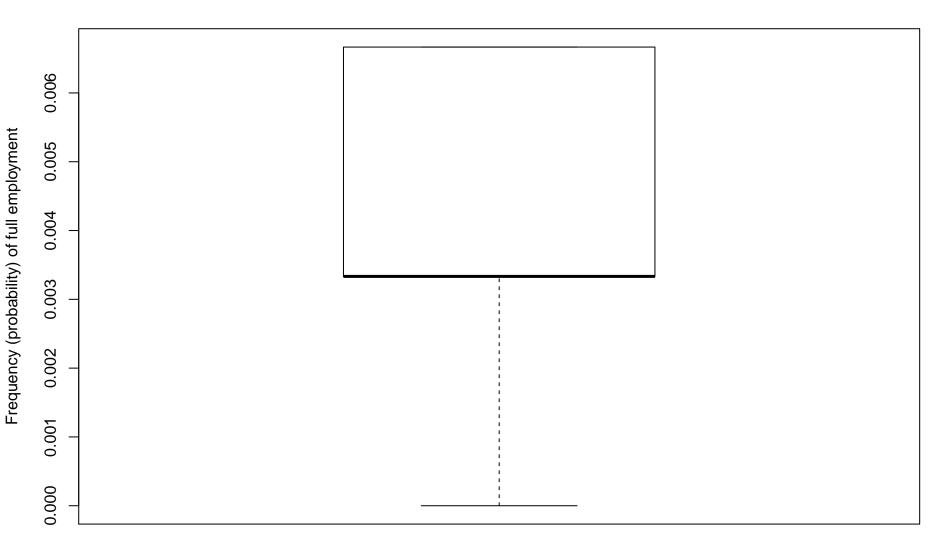


Capacity utilization

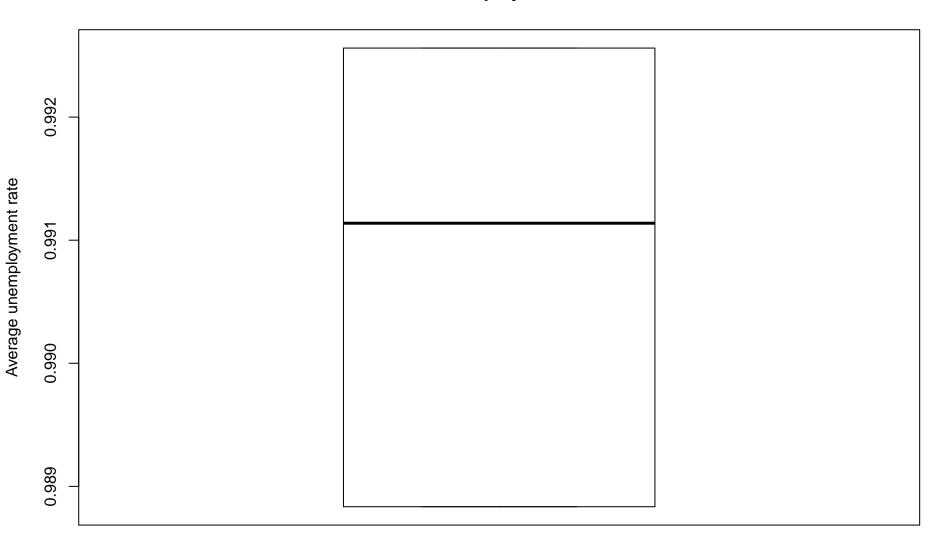


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

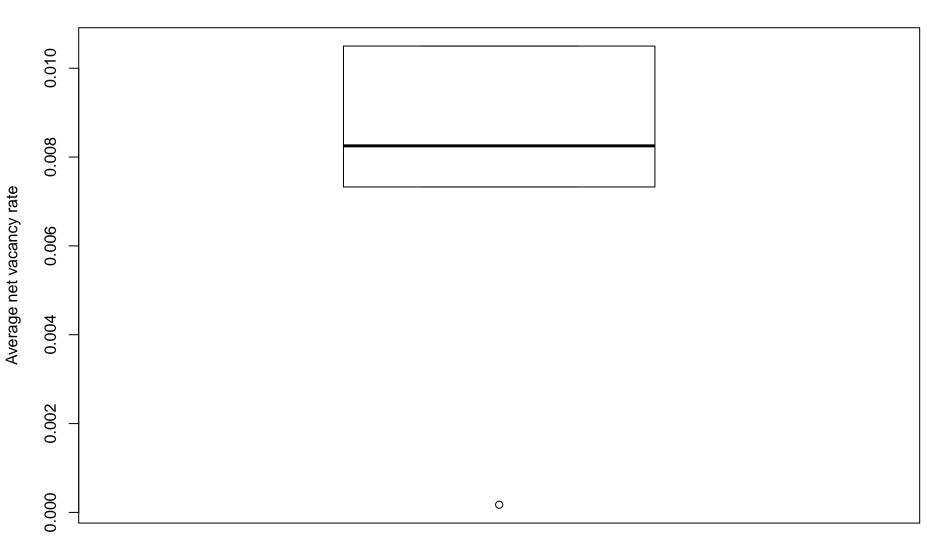
Full employment frequency



Unemployment

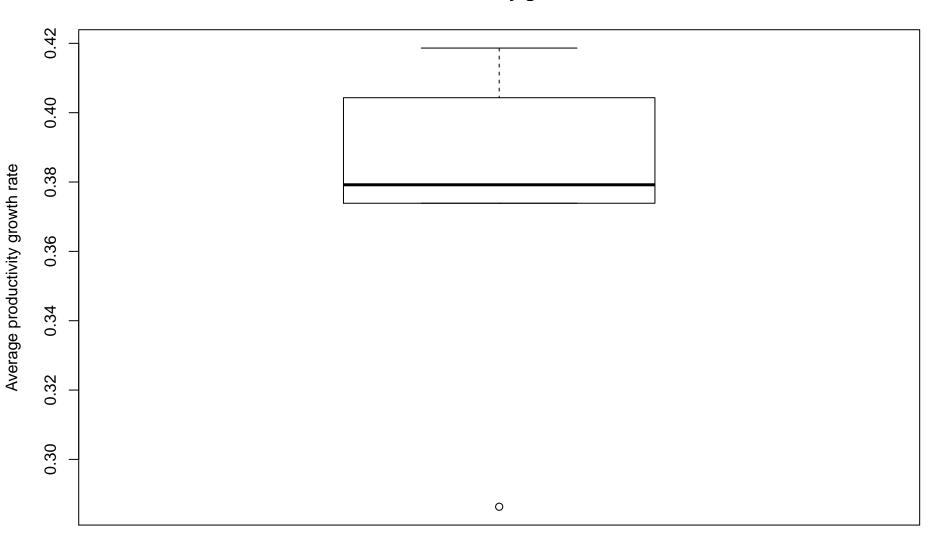




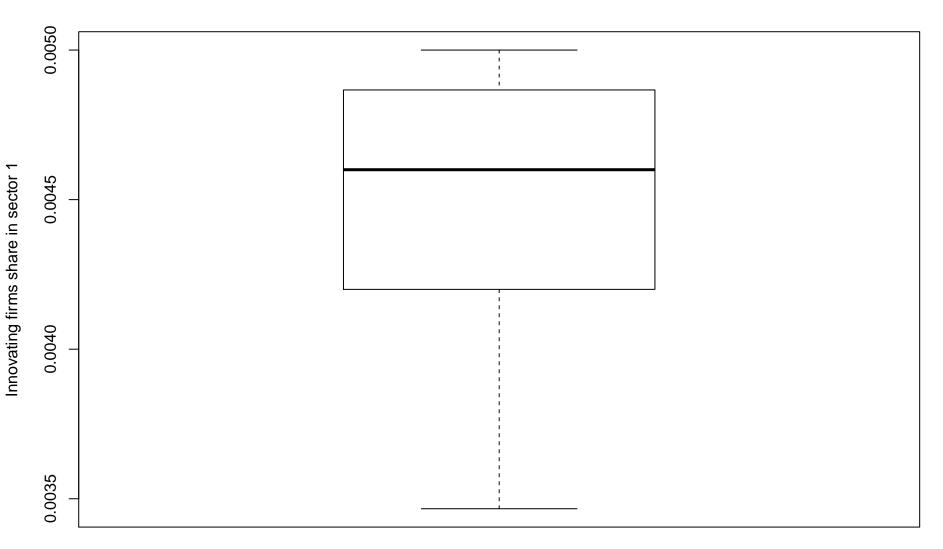


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

Productivity growth

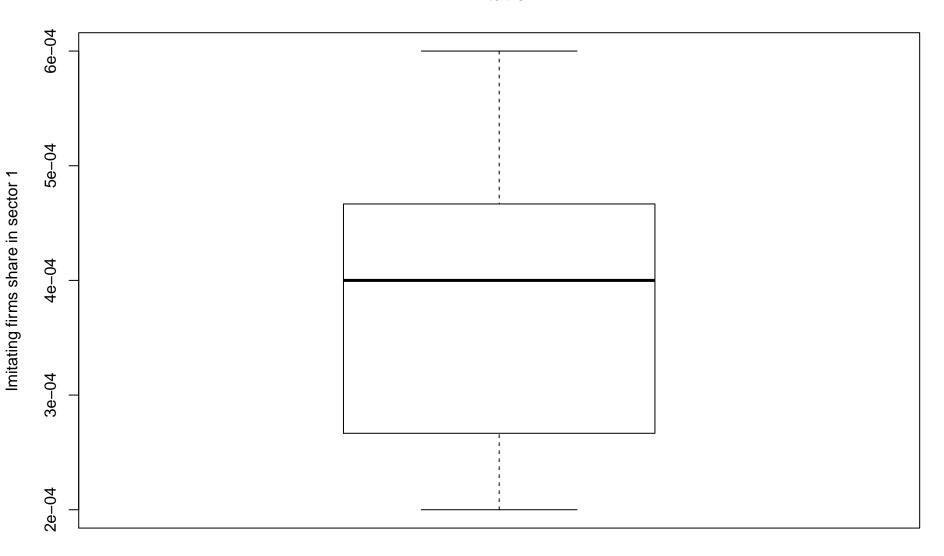






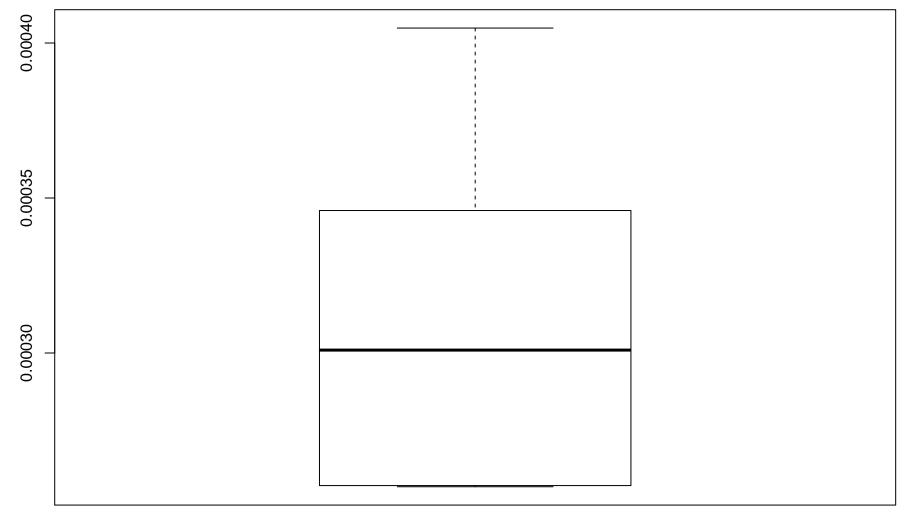
(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)



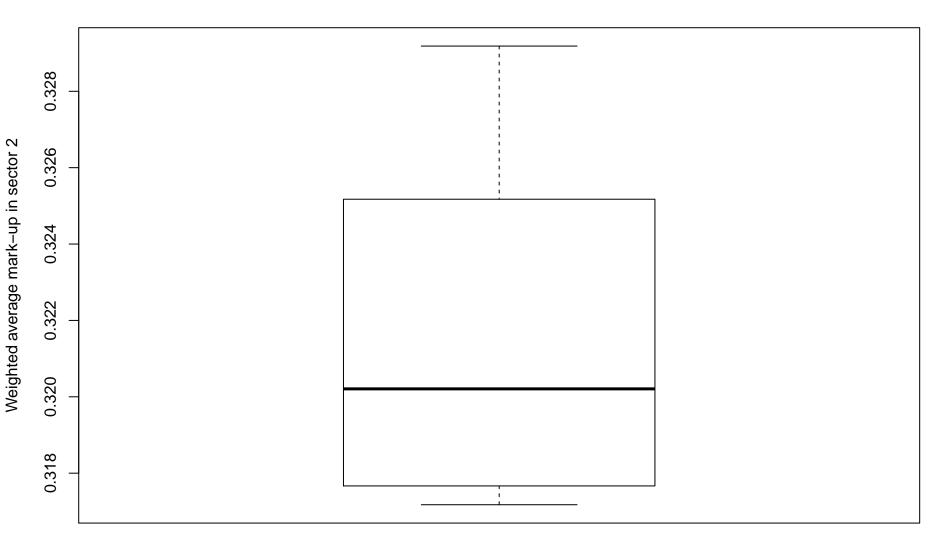


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)

Market concentration

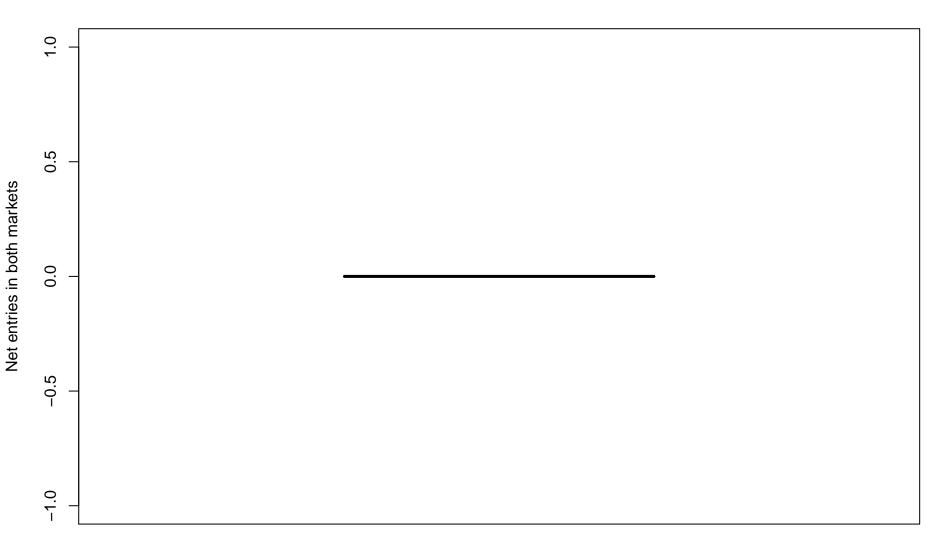






(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)





Monte Carlo descriptive statistics (all experiments)

	Avg[1]	SD[1]	Min[1]	Max[1]
GDP growth	0.3571	0.04986	0.2711	0.3986
Volatility of GDP growth	0.1721	0.1128	0.07395	0.3523
Likelihood of GDP crises	0.02067	0.02488	0	0.06333
Inflation	1.008e+06	2.254e+06	-0.001031	5.041e+06
Tax	1.325e+45	2.962e+45	4.352e+04	6.624e+45
Government total expenditure	6.175e+09	1.381e+10	2511	3.087e+10
Government deficit	6.483e+47	1.45e+48	2.879e+07	3.241e+48
Government debt	6.521e+49	1.458e+50	1.989e+08	3.261e+50
Credit supply	-1.534e-36	3.431e-36	-7.672e-36	-1.182e-41
Loans	9.721e+47	2.174e+48	2.682e+07	4.861e+48
Capacity utilization	0.6672	0.008428	0.6553	0.6778
Full employment frequency	0.006667	0.007817	0	0.02
Unemployment	0.9866	0.01487	0.9609	0.9994
Vacancy	0.0134	0.01576	0.0001728	0.04073
Productivity growth	0.3725	0.0515	0.2864	0.4186
Innovation	0.004427	0.0006175	0.003467	0.005
Imitation	0.0003867	0.0001592	0.0002	0.0006
Market concentration	0.0003132	6.31e-05	0.0002569	0.0004048
Mark-ups	0.3219	0.00517	0.3172	0.3292
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)