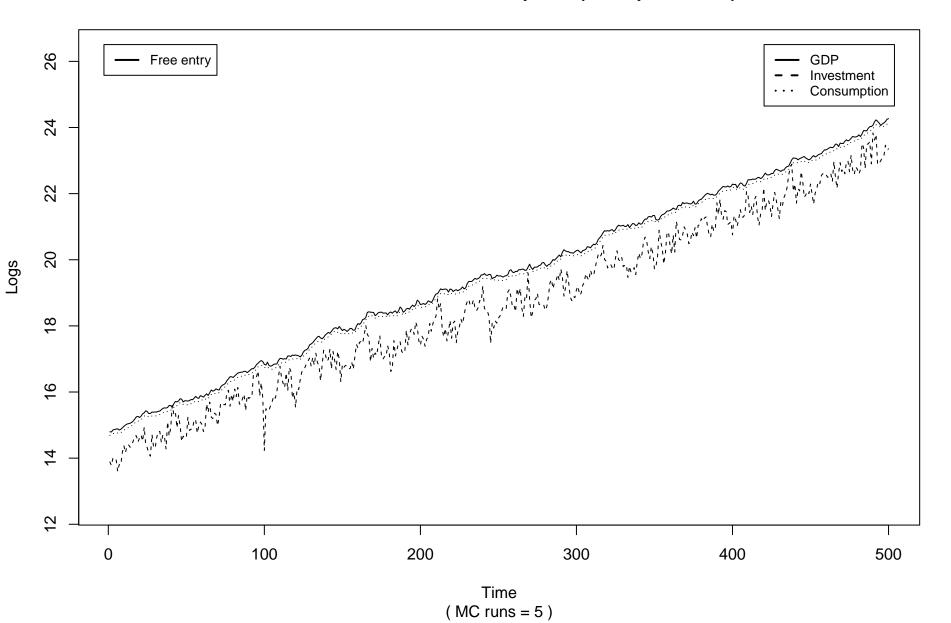
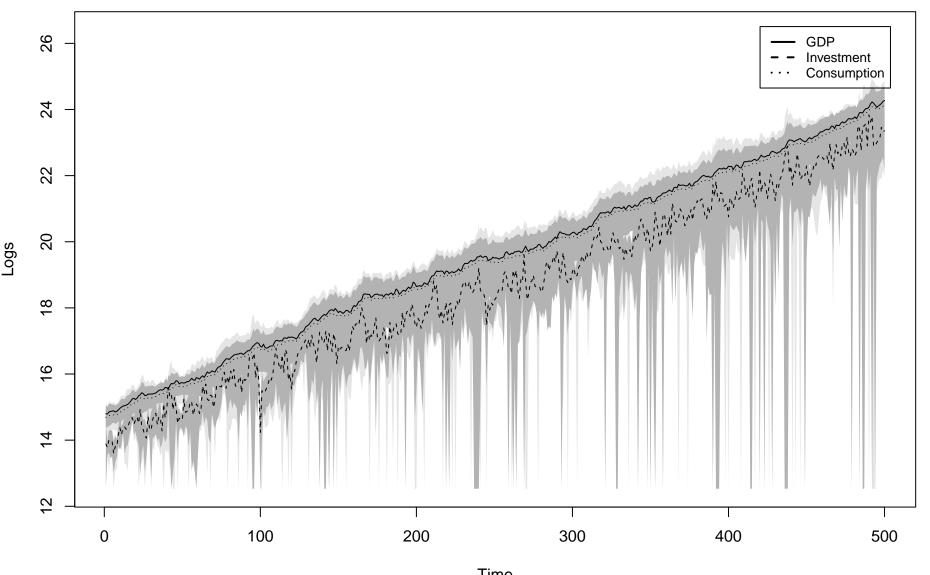
GDP, investment and consumption (all experiments)

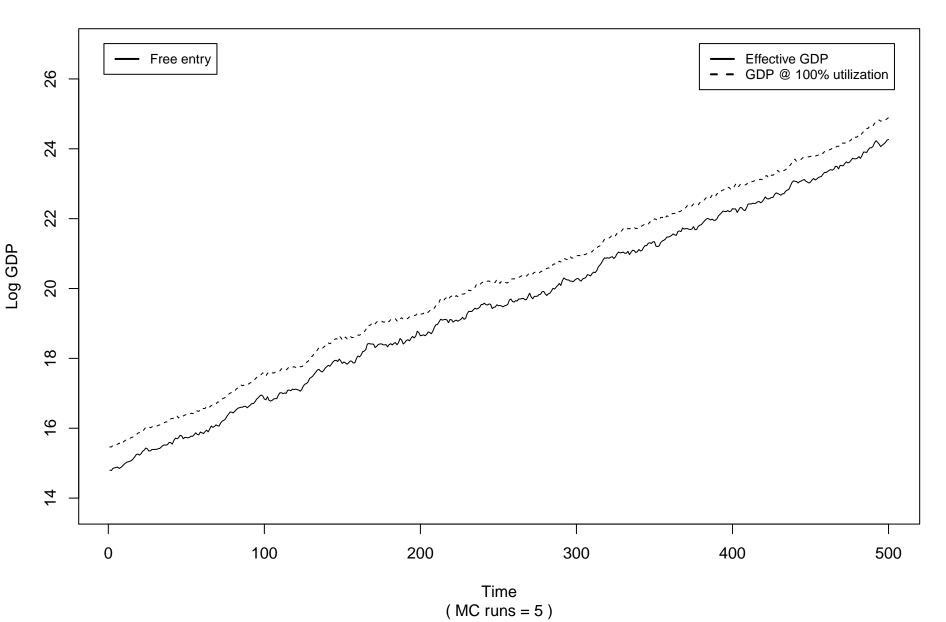


GDP, investment and consumption (Free entry)

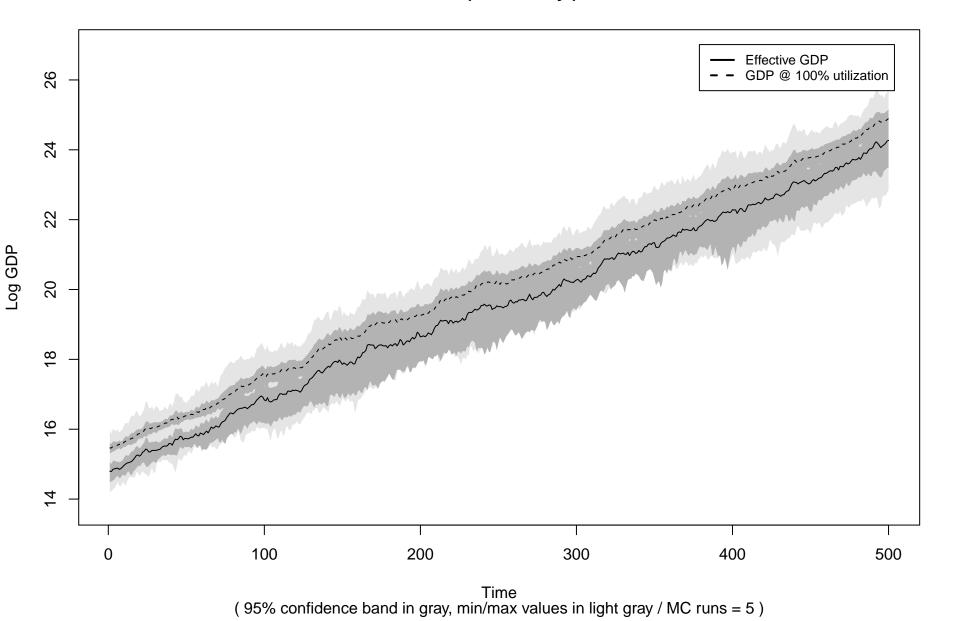


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

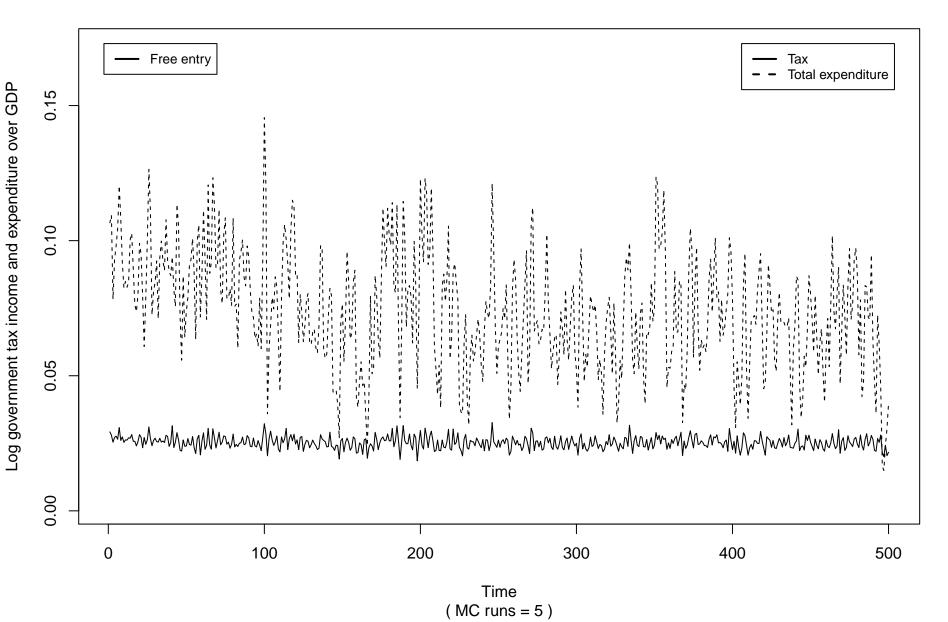
GDP (all experiments)



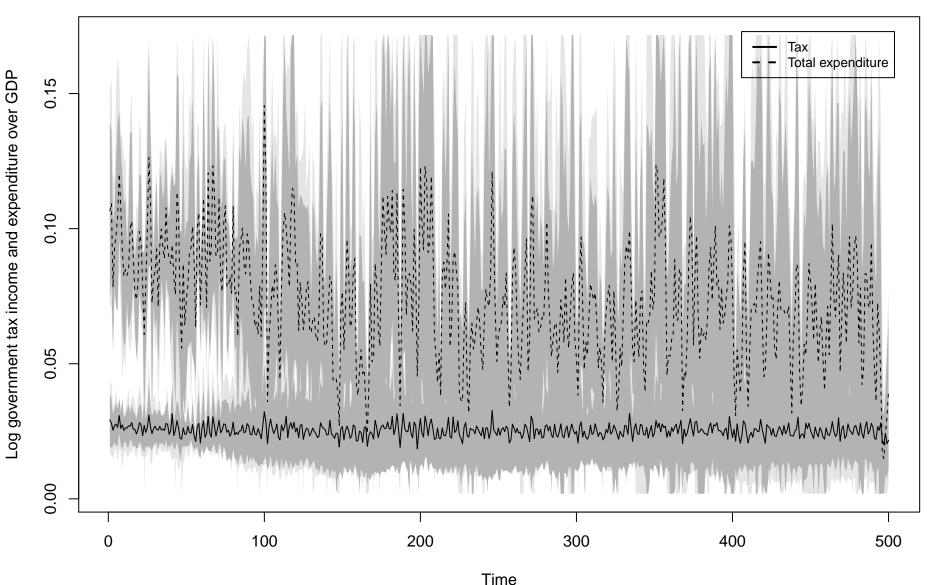
GDP (Free entry)



Government income and expenditure on GDP (all experiments)

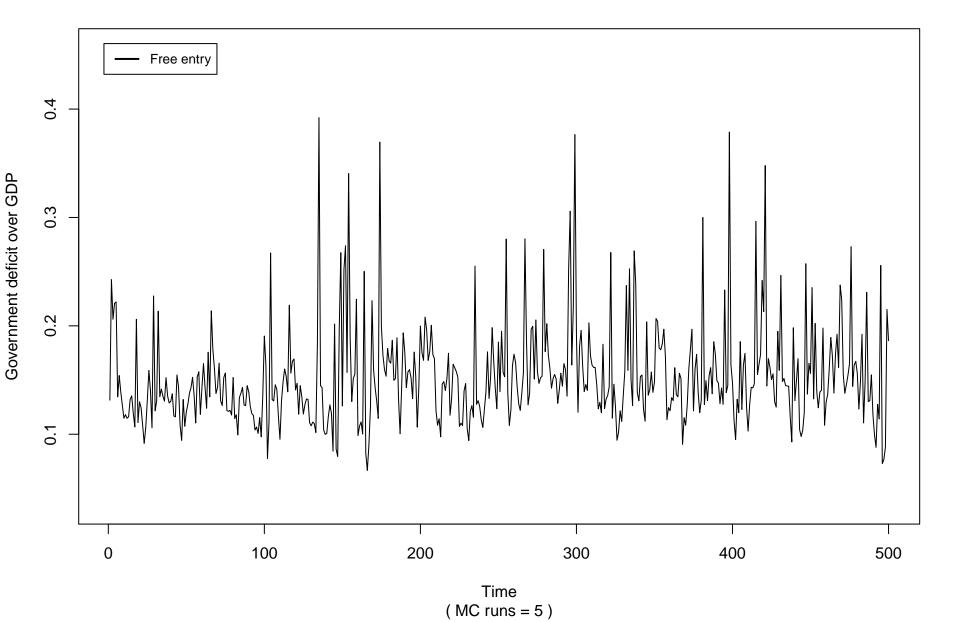


Government income and expenditure on GDP (Free entry)

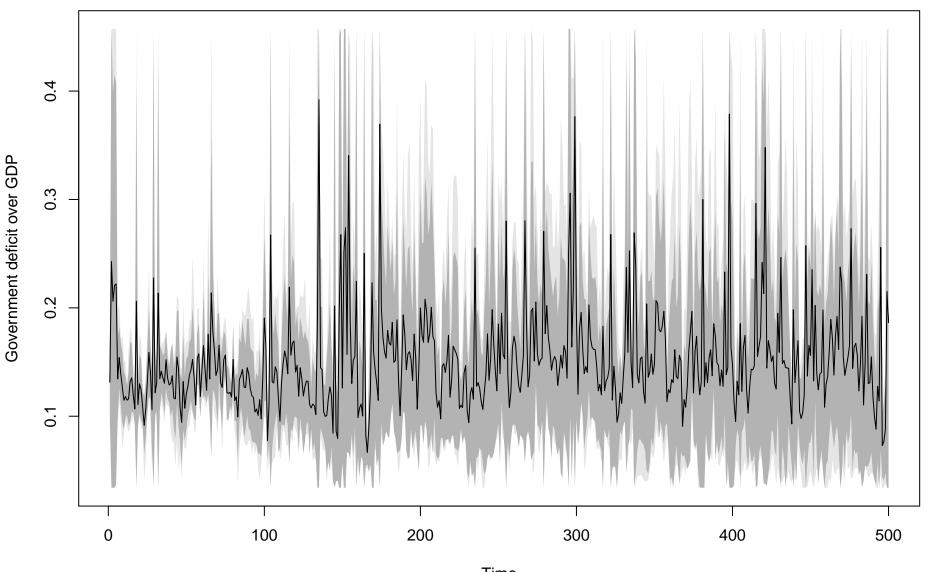


(95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government deficit on GDP (all experiments)

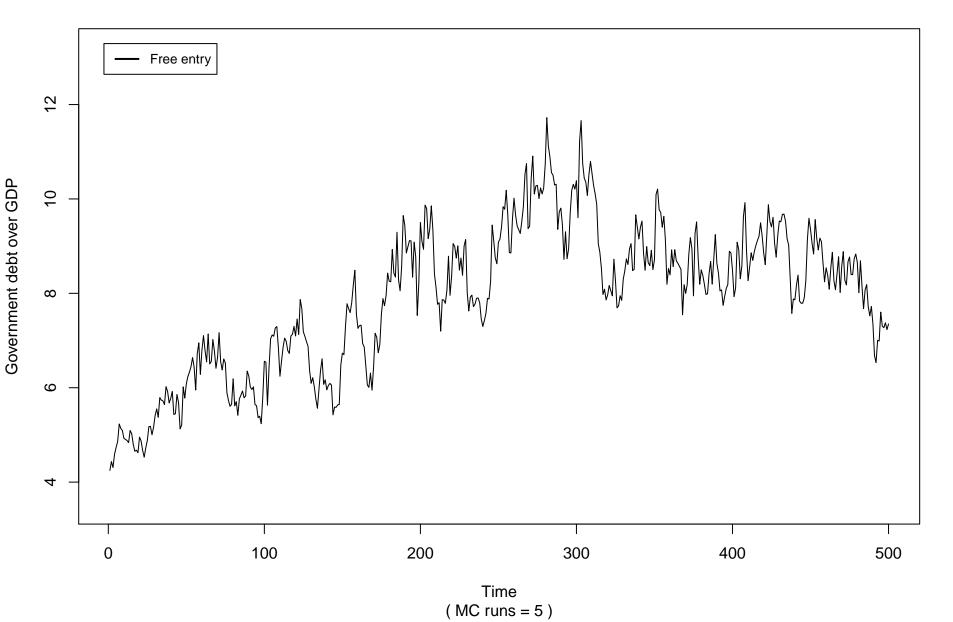


Government deficit on GDP (Free entry)

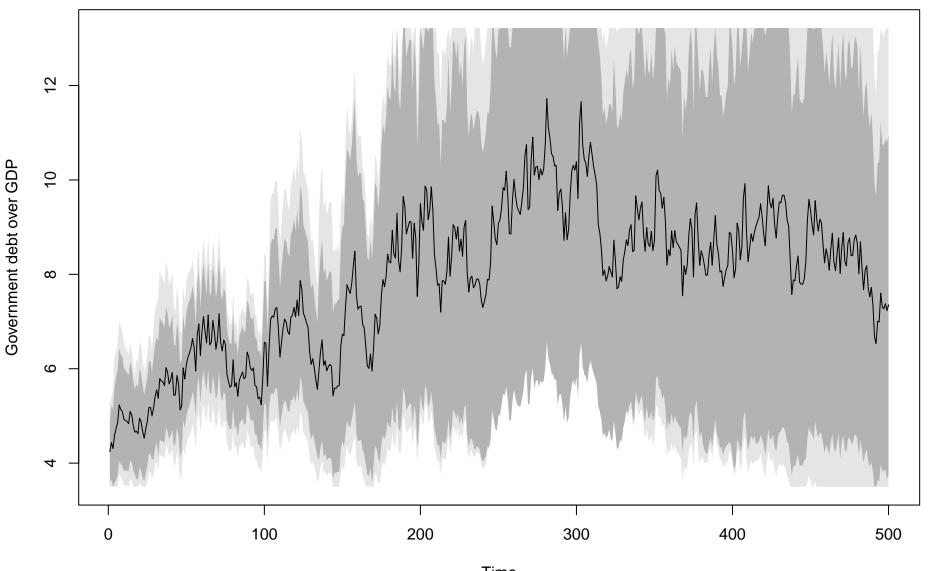


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Government debt on GDP (all experiments)

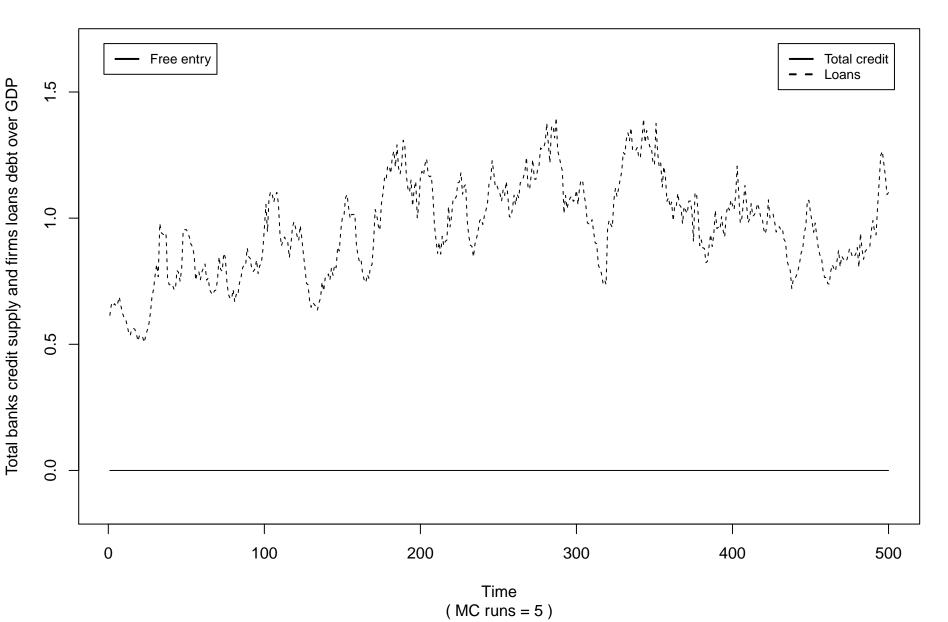


Government debt on GDP (Free entry)

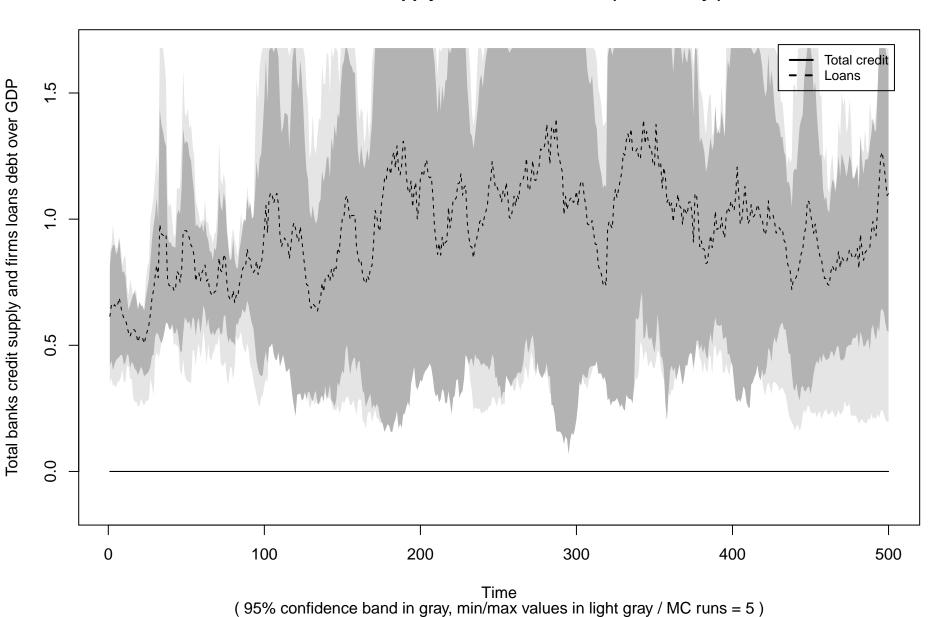


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

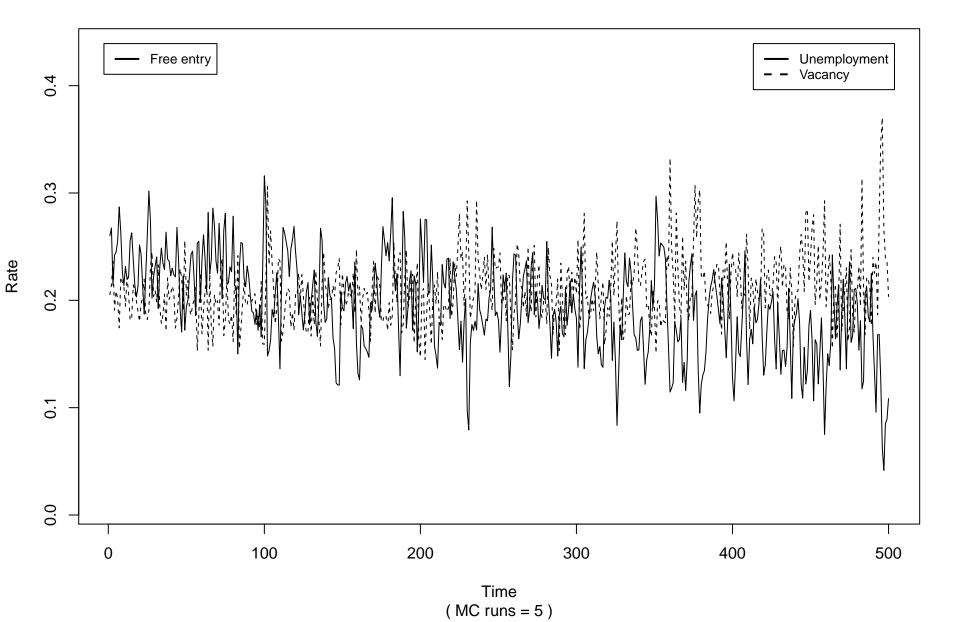
Total credit supply and loans on GDP (all experiments)



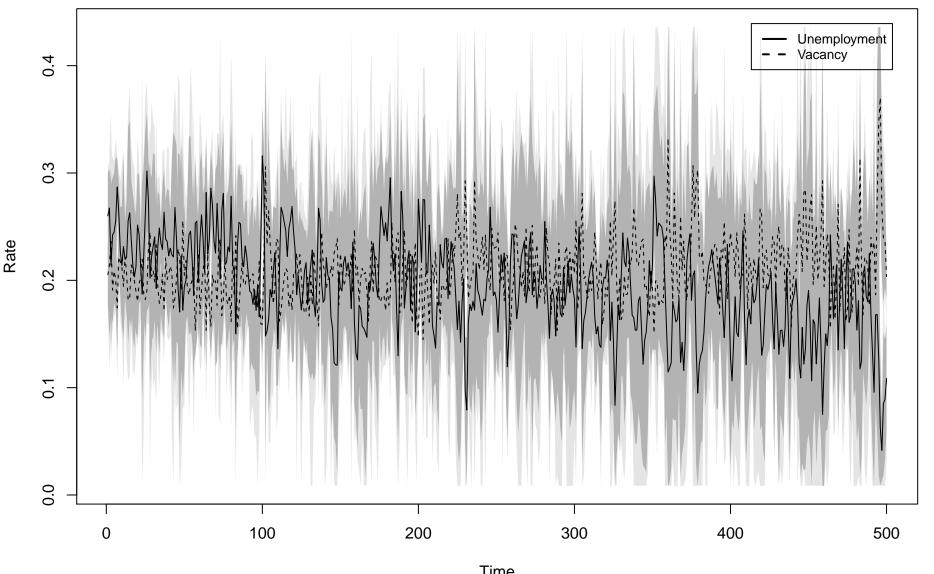
Total credit supply and loans on GDP (Free entry)



Unemployment and vacancy rates (all experiments)

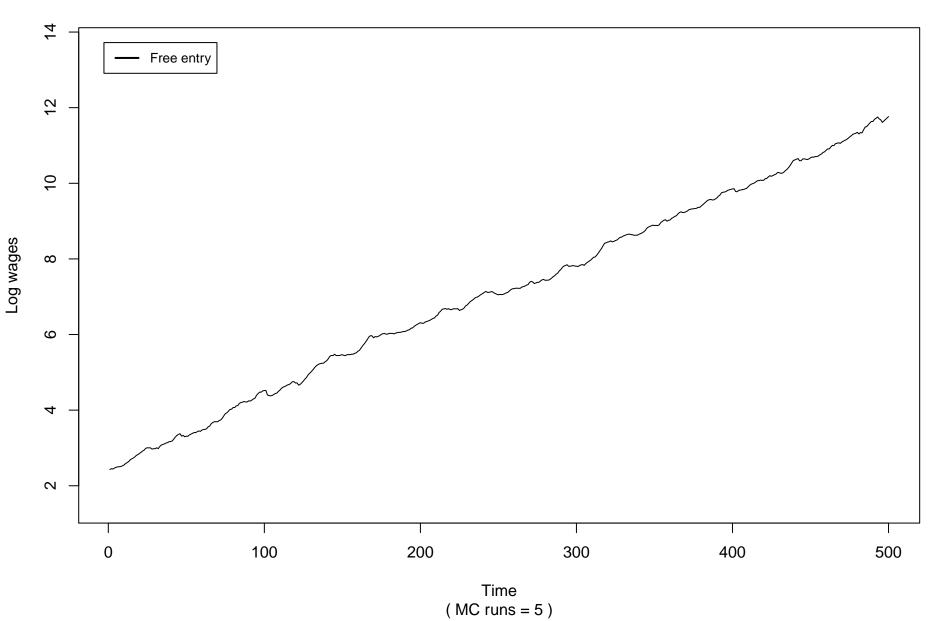


Unemployment and vacancy rates (Free entry)

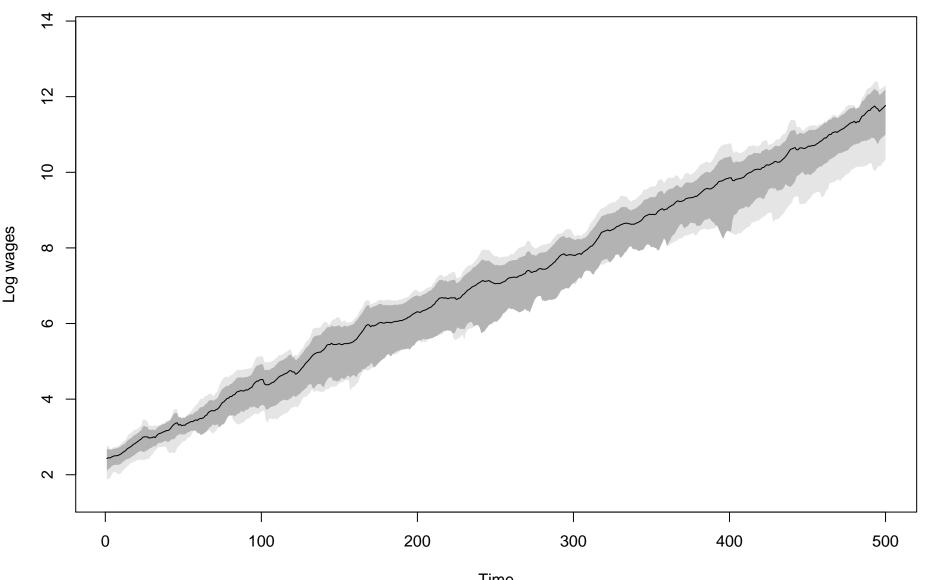


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Real wages average (all experiments)

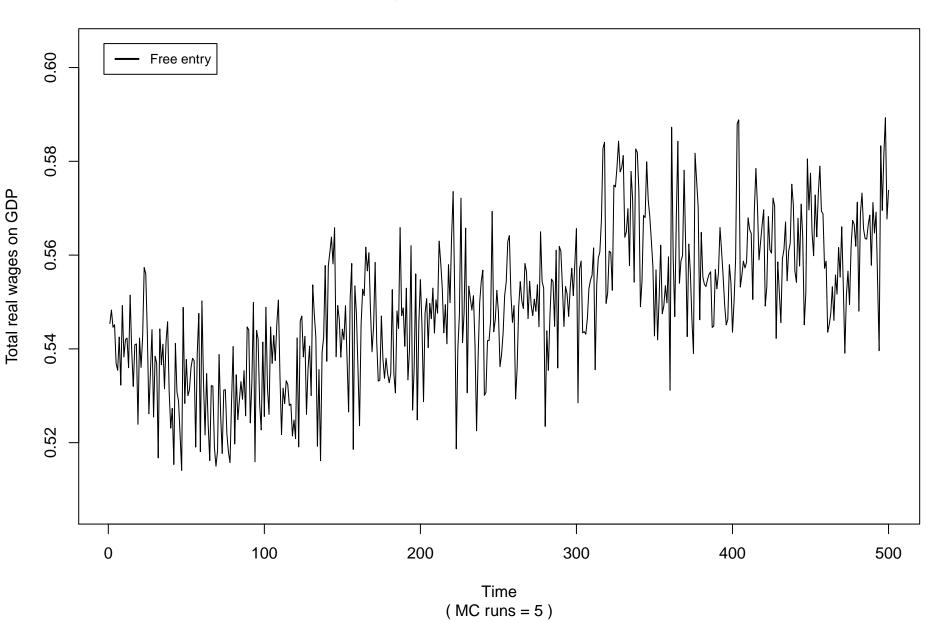


Real wages average (Free entry)

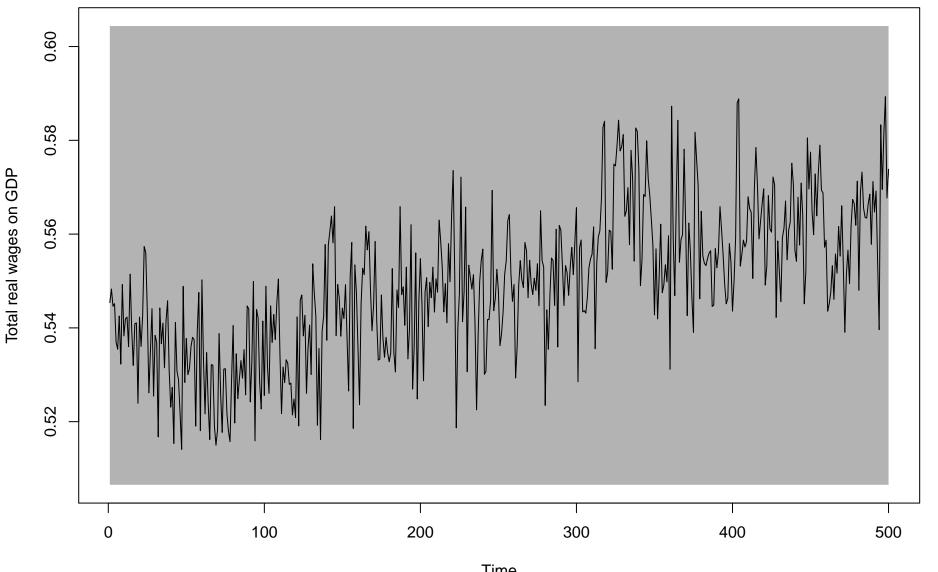


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Wage share (all experiments)

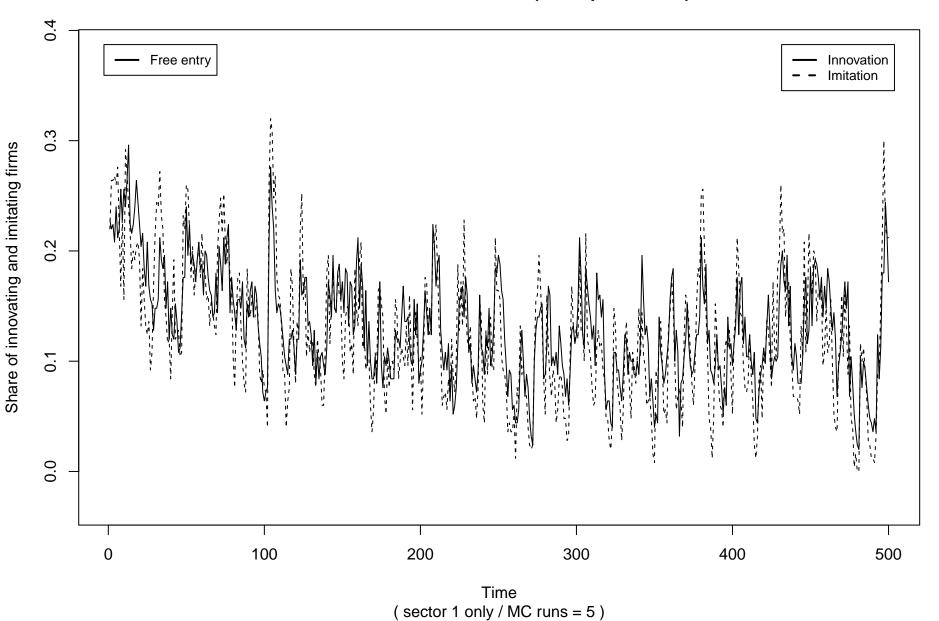


Wage share (Free entry)

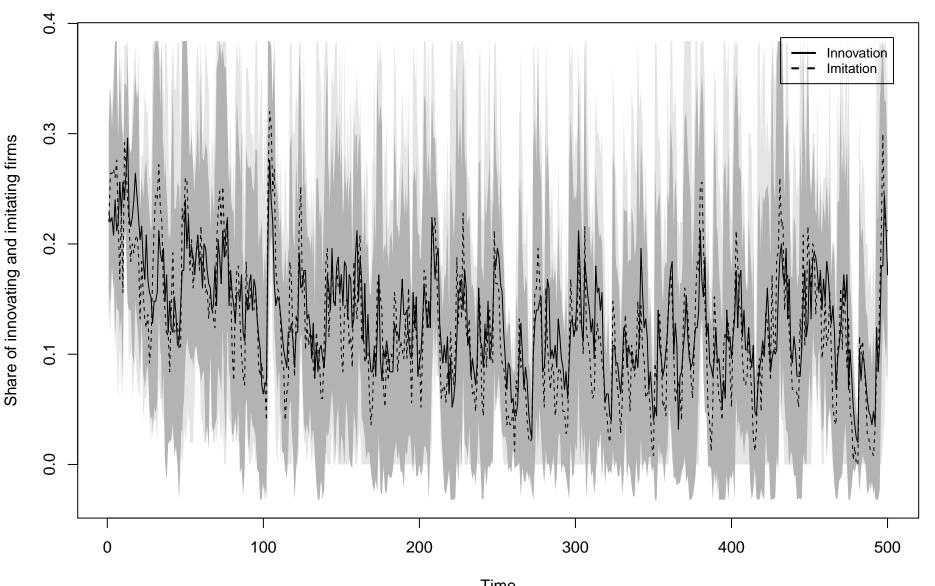


Time (95% confidence band in gray, min/max values in light gray / MC runs = 5)

Innovation and imitation (all experiments)

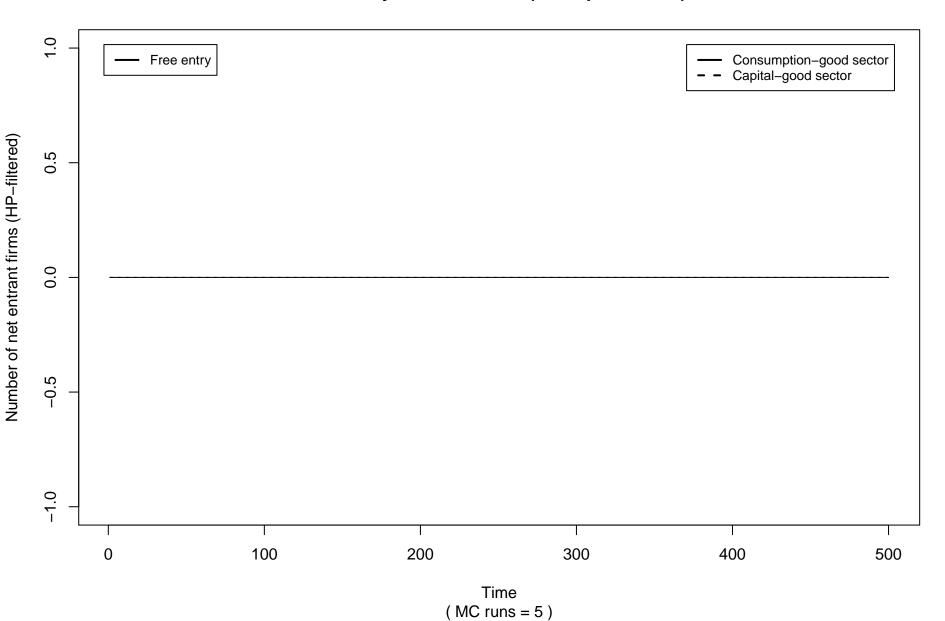


Innovation and imitation (Free entry)

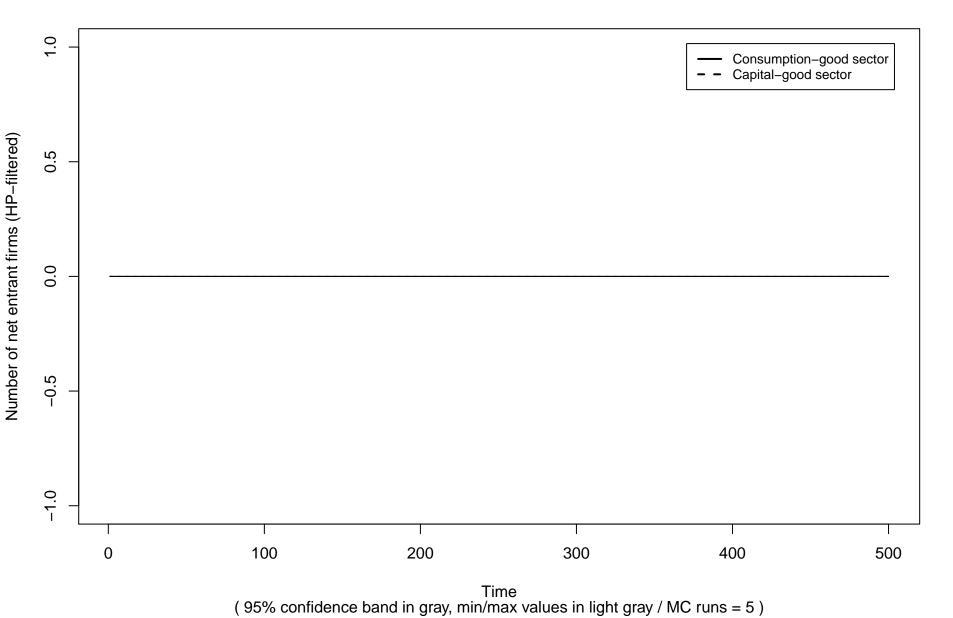


Time (95% confidence band in gray, min/max values in light gray / sector 1 only / MC runs = 5)

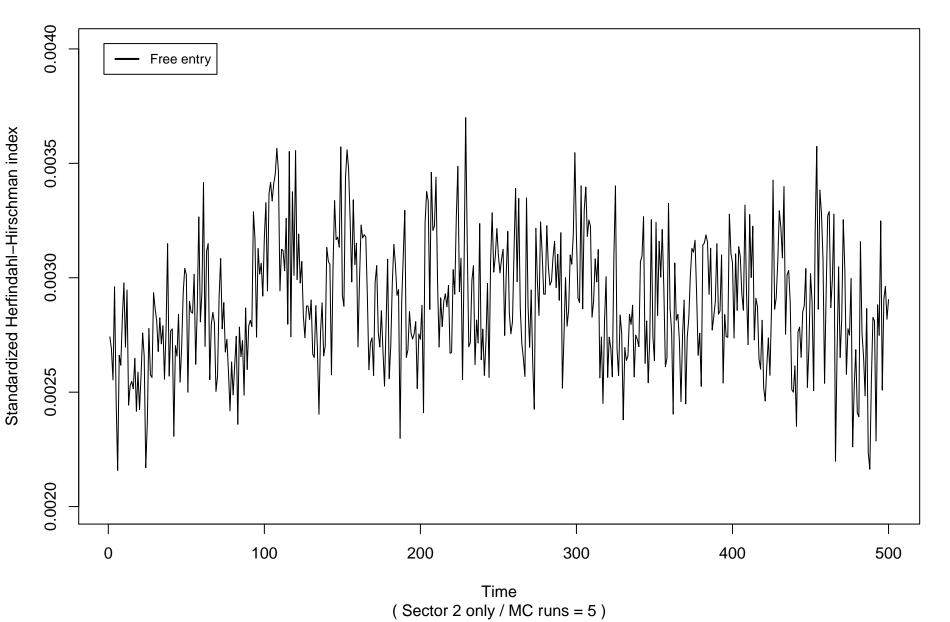
Net entry of firms trend (all experiments)



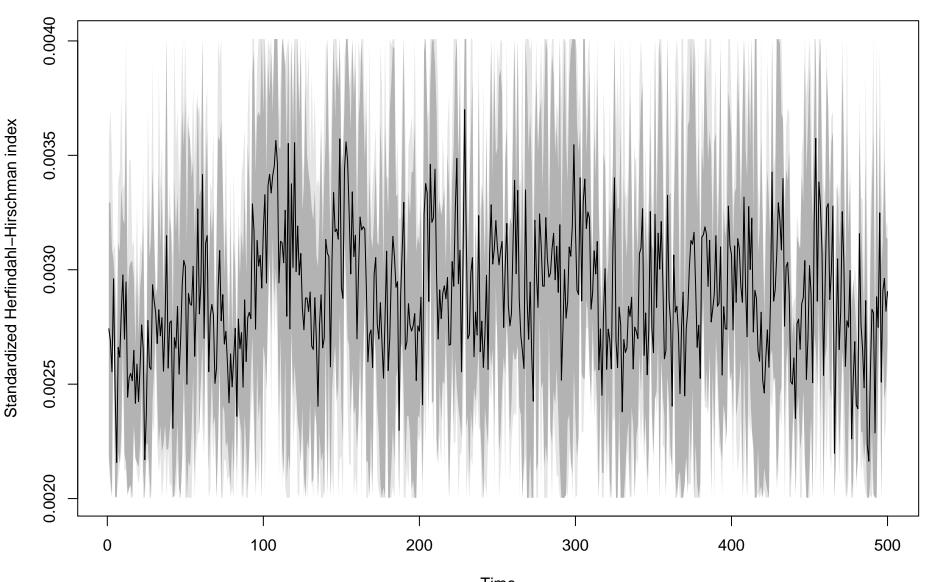
Net entry of firms trend (Free entry)



Market concentration (all experiments)

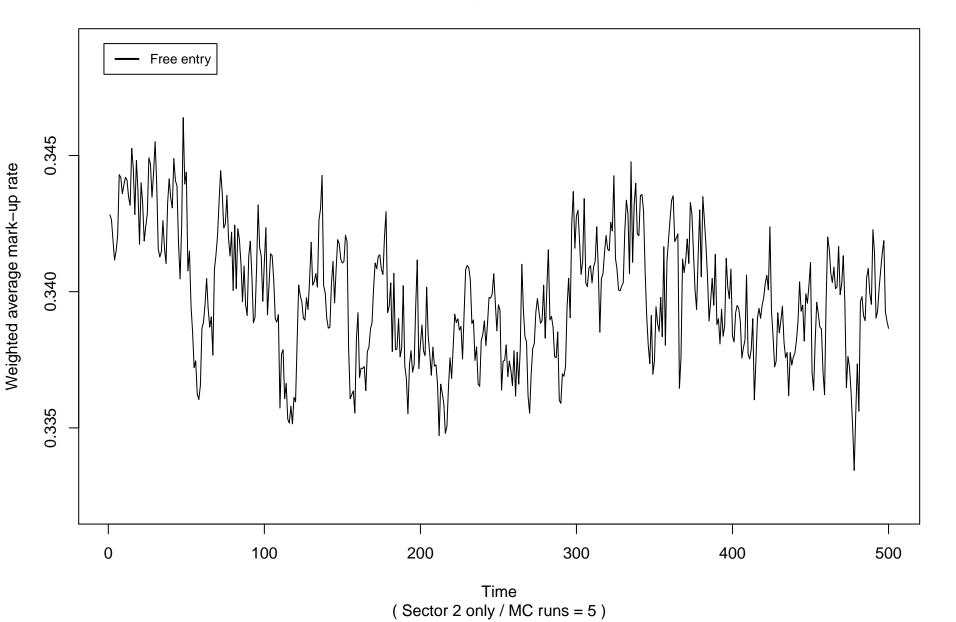


Market concentration (Free entry)

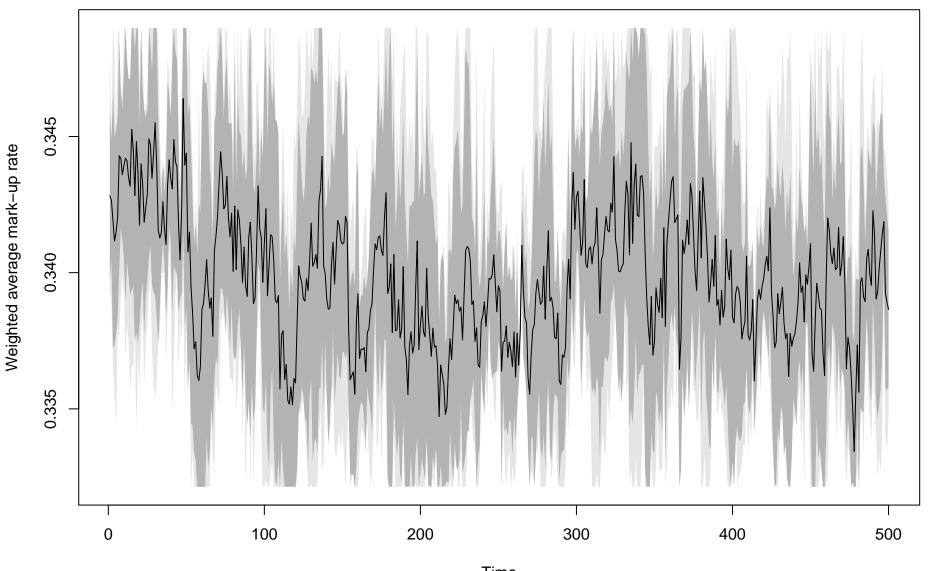


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

Mark-up average (all experiments)

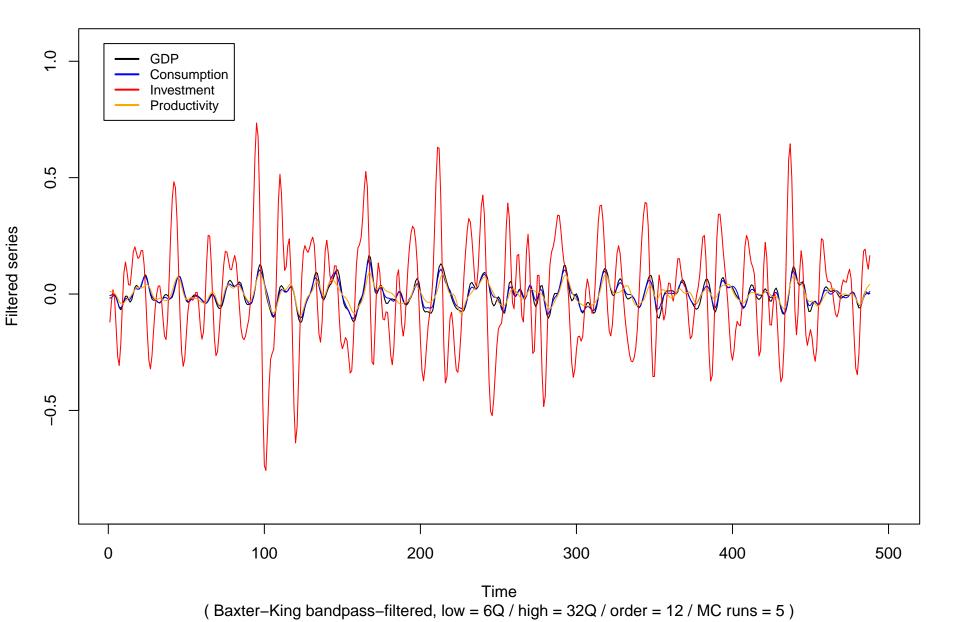


Mark-up average (Free entry)

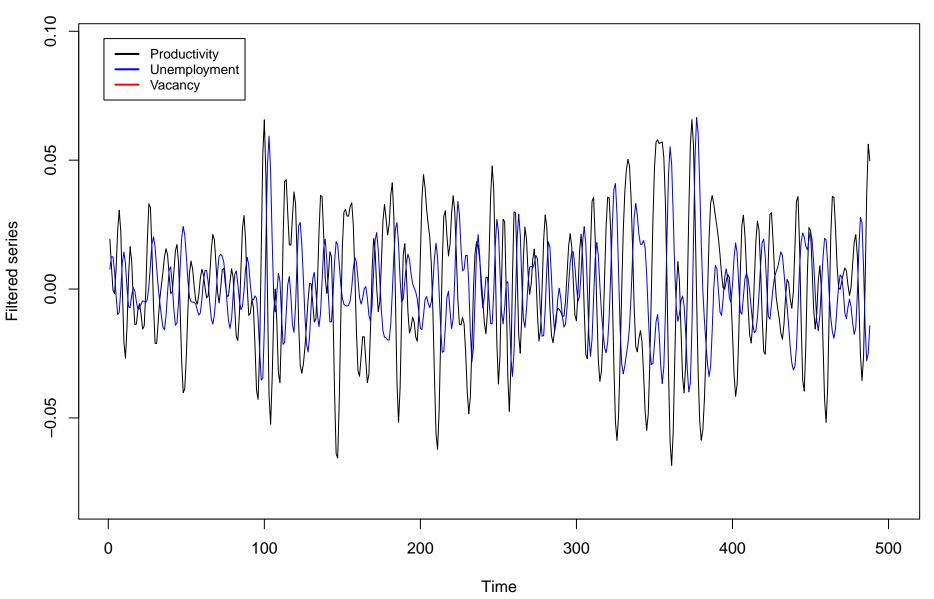


Time (95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

GDP cycles (Free entry)

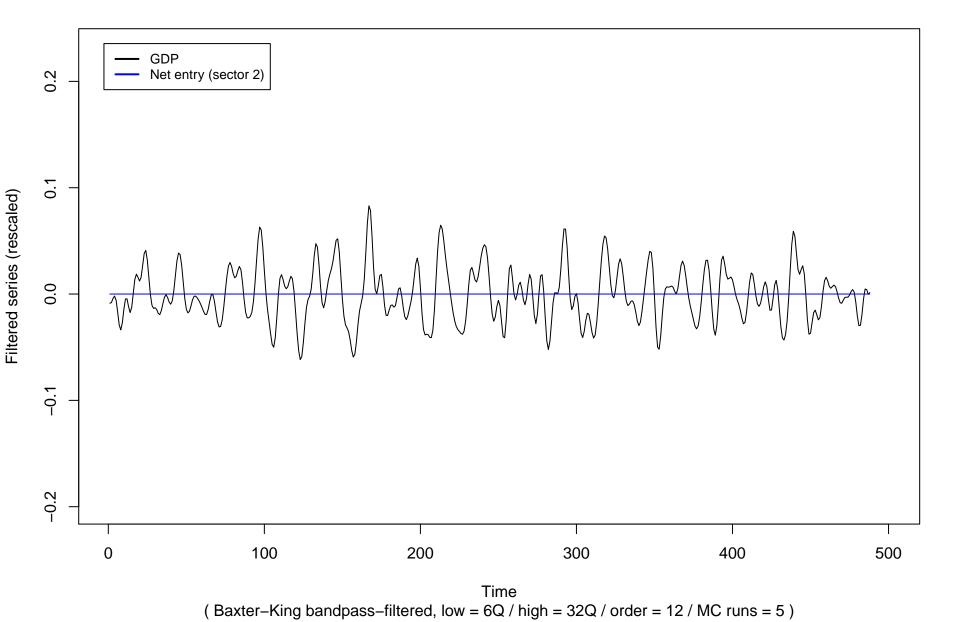


Shimer puzzle (Free entry)



(Baxter-King bandpass-filtered, low = 6Q / high = 32Q / order = 12 / MC runs = 5)

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	0.01844	0.01828	0.01846	0.01789	0.01797
(s.e.)	0.001263	0.00128	0.001377	0.001321	0.001358
ADF test (logs)	-3.24	-3.064	-7.067	-3.171	-3.243
(s.e.)	0.3434	0.3015	0.1119	0.2376	0.2331
(p-val.)	0.1695	0.1893	0.01	0.1471	0.1243
(s.e.)	0.09412	0.09865	0	0.0673	0.06827
ADF test (bpf)	-5.339	-5.196	-6.938	-6.42	-6.723
(s.e.)	0.1026	0.1422	0.2117	0.4176	0.3088
(p-val.)	0.01	0.01	0.01	0.01	0.01
(s.e.)	0	0	0	0	0
s.d. (bpf)	0.08435	0.07019	1.699	0.06125	0.07525
(s.e.)	0.004425	0.003325	0.06088	0.001651	0.003155
relative s.d. (GDP)	1	0.8322	20.14	0.7262	0.8922

Correlation structure for GDP (Free entry)

	-4	-3	-2	–1	0	1	2	3	4
GDP (output)	-0.05982	0.222	0.5752	0.8769	1	0.8769	0.5752	0.222	-0.05982
(s.e.)	0.03907	0.0292	0.01587	0.003912	0	0.003912	0.01587	0.0292	0.03907
(p-val.)	0.3022	0.004127	3.146e-06	1.743e-09	NA	1.743e-09	3.146e-06	0.004127	0.3022
Consumption	0.0821	0.3221	0.6075	0.8509	0.9547	0.8548	0.5942	0.267	-0.0221
(s.e.)	0.03704	0.02573	0.01453	0.0105	0.006967	0.00737	0.02127	0.03517	0.04406
(p-val.)	0.3849	0.0003557	1.718e-06	1.033e-07	1.207e-08	2.454e-08	8.688e-06	0.00301	0.5738
Investment	-0.316	-0.416	-0.4264	-0.3054	-0.07739	0.1708	0.3525	0.416	0.3729
(s.e.)	0.05048	0.02918	0.02624	0.04452	0.05458	0.05198	0.04664	0.04325	0.04334
(p-val.)	0.00474	0.0001625	9.519e-05	0.003583	0.0493	0.07787	0.00214	0.0007401	0.001251
Net investment	-0.251	-0.335	-0.3462	-0.248	-0.06036	0.1428	0.2903	0.3397	0.3029
(s.e.)	0.05839	0.03851	0.03058	0.04455	0.05441	0.05307	0.04989	0.0474	0.04467
(p-val.)	0.02144	0.00135	0.0004796	0.009793	0.05814	0.1511	0.006767	0.002701	0.003773
Change in inventories	-0.2649	-0.1518	0.05703	0.2623	0.3558	0.2922	0.1318	-0.02188	-0.09175
(s.e.)	0.02247	0.02372	0.02264	0.02678	0.03244	0.03821	0.04082	0.03474	0.02249
(p–val.)	0.000595	0.01946	0.8116	0.001217	0.0005253	0.002572	0.1367	0.7977	0.3147
Unemployment rate	0.2344	0.2822	0.2096	0.03641	-0.1517	-0.2487	-0.2256	-0.1187	-0.00668
(s.e.)	0.03887	0.03592	0.05908	0.07443	0.07748	0.07487	0.07	0.05913	0.04048
(p–val.)	0.008251	0.002449	0.0467	0.01635	0.1966	0.04366	0.05298	0.2743	0.6528
Productivity	0.1561	0.3527	0.5573	0.7165	0.7789	0.7115	0.5391	0.3103	0.08278
(s.e.)	0.06962	0.06361	0.04766	0.02736	0.04006	0.0705	0.08912	0.0894	0.07756
(p–val.)	0.0715	0.006387	0.0002796	1.012e-05	3.171e-05	0.0004297	0.00337	0.01903	0.02582
Mark-up (sector 2)	0.1512	0.04715	-0.0738	-0.1772	-0.2315	-0.224	-0.1737	-0.1111	-0.06219
(s.e.)	0.04263	0.04456	0.03878	0.02838	0.0268	0.04008	0.04807	0.04381	0.03433
(p–val.)	0.08506	0.4591	0.3826	0.01335	0.002417	0.01147	0.05678	0.1441	0.6368
Total firm debt	0.1798	0.09578	0.02491	-0.02558	-0.06443	-0.1036	-0.1491	-0.1917	-0.2136
(s.e.)	0.0384	0.05591	0.07405	0.08455	0.08513	0.07886	0.06861	0.05723	0.04725
(p–val.)	0.03011	0.1739	0.2911	0.1718	0.04955	0.01148	0.009422	0.02696	0.02375
Liquidity-to-sales ratio	0.124	-0.07449	-0.3177	-0.5529	-0.7076	-0.7143	-0.5876	-0.3814	-0.171
(s.e.)	0.04576	0.05174	0.04591	0.03081	0.01477	0.01187	0.02463	0.04614	0.06834

-0.124

0.09342

0.08835

5.255e-05 9.174e-07 3.671e-07

-0.2341

0.08676

0.03182

1.638e-05

-0.1582

0.03426

0.04224

-0.2366

0.05763

0.02658

0.001419

-0.06772

0.03744

0.4643

0.1044

-0.02285

0.04334

0.4239

(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)

0.00331

0.05277

0.07123

0.05873

(p-val.)

(p-val.)

(s.e.)

Bankruptcy rate

0.1391

0.2968

0.05969

0.01106

0.3133

0.0455

0.02064

0.215

Correlation structure for GDP (Free entry)

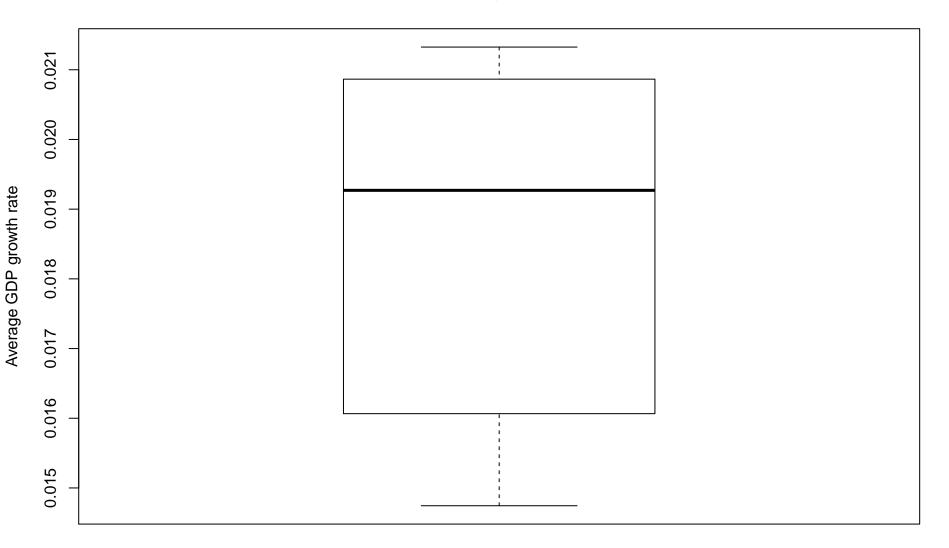
	-4	-3	-2	-1	0	1	2	3	4
GDP (output)	-0.05982	0.222	0.5752	0.8769	1	0.8769	0.5752	0.222	-0.05982
(s.e.)	0.03907	0.0292	0.01587	0.003912	0	0.003912	0.01587	0.0292	0.03907
(p-val.)	0.3022	0.004127	3.146e-06	1.743e-09	NA	1.743e-09	3.146e-06	0.004127	0.3022
Consumption	0.0821	0.3221	0.6075	0.8509	0.9547	0.8548	0.5942	0.267	-0.0221
(s.e.)	0.03704	0.02573	0.01453	0.0105	0.006967	0.00737	0.02127	0.03517	0.04406
(p–val.)	0.3849	0.0003557	1.718e-06	1.033e-07	1.207e-08	2.454e-08	8.688e-06	0.00301	0.5738
Investment	-0.316	-0.416	-0.4264	-0.3054	-0.07739	0.1708	0.3525	0.416	0.3729
(s.e.)	0.05048	0.02918	0.02624	0.04452	0.05458	0.05198	0.04664	0.04325	0.04334
(p–val.)	0.00474	0.0001625	9.519e-05	0.003583	0.0493	0.07787	0.00214	0.0007401	0.001251
Productivity	0.1561	0.3527	0.5573	0.7165	0.7789	0.7115	0.5391	0.3103	0.08278
(s.e.)	0.06962	0.06361	0.04766	0.02736	0.04006	0.0705	0.08912	0.0894	0.07756
(p-val.)	0.0715	0.006387	0.0002796	1.012e-05	3.171e-05	0.0004297	0.00337	0.01903	0.02582
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	-0.1219	0.04125	0.2371	0.4119	0.5126	0.5053	0.4086	0.2633	0.1149
(s.e.)	0.02704	0.01366	0.0258	0.03747	0.03463	0.03083	0.04504	0.06437	0.07106
(p_val.)	0.09834	0.9765	0.001841	0.0004483	0.000118	7.997e-05	0.0009384	0.02324	0.1238
Wage	0.2168	0.4558	0.6718	0.7972	0.7889	0.6441	0.4169	0.1737	-0.03189
(s.e.)	0.05818	0.03873	0.0208	0.02293	0.0337	0.04221	0.04749	0.04914	0.04764
(p–val.)	0.03924	0.0003158	4.538e-06	3.114e-06	1.508e-05	9.065e-05	0.001042	0.06462	0.5034
Unemployment rate	0.2344	0.2822	0.2096	0.03641	-0.1517	-0.2487	-0.2256	-0.1187	-0.00668
(s.e.)	0.03887	0.03592	0.05908	0.07443	0.07748	0.07487	0.07	0.05913	0.04048
(p-val.)	0.008251	0.002449	0.0467	0.01635	0.1966	0.04366	0.05298	0.2743	0.6528
Vacancy rate	0.23	0.01071	-0.2259	-0.3783	-0.3939	-0.2996	-0.1732	-0.0838	-0.05159
(s.e.)	0.02443	0.01298	0.02121	0.0335	0.03812	0.03943	0.04213	0.04271	0.03687
(p-val.)	0.001786	0.9992	0.001172	0.0004396	0.0005934	0.002547	0.04576	0.3769	0.622

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

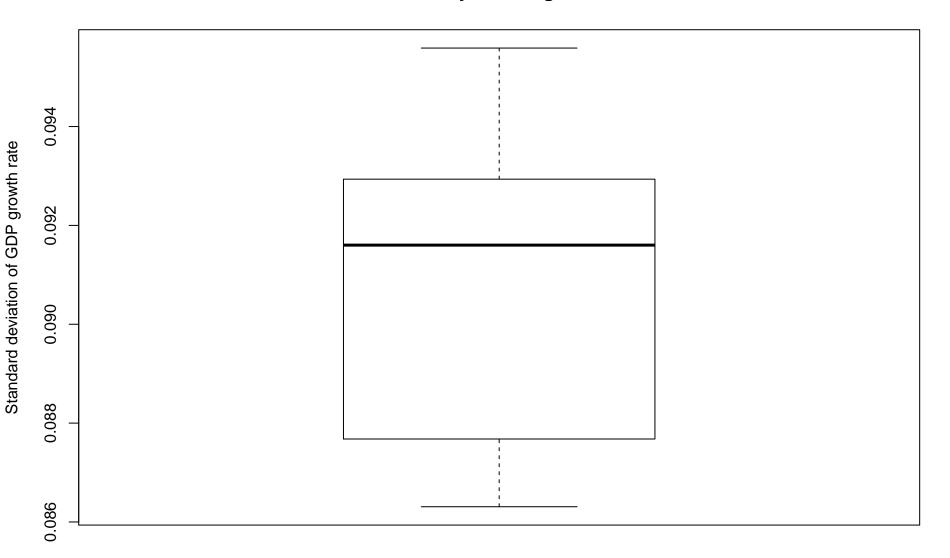
	avg.ADF	rej.ADF	avg.PP	rej.PP	avg.KPSS	rej.KPSS	avg.BDS	rej.BDS	avg.KS	rej.KS	AD	V
dGDP	0.01	1.00	0.01	1.00	0.10	0.00	0.21	0.20	0.75	0.00	0.88	C
dA	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.37	0.10	0.04	C
dw	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.39	0.10	0.04	C
V	0.01	1.00	0.01	1.00	0.08	0.20	0.05	0.80	0.20	0.50	0.00	C
U	0.01	1.00	0.01	1.00	0.05	0.60	0.00	1.00	0.00	1.00	0.00	C
mu2avg	0.02	0.80	0.01	1.00	0.08	0.20	0.00	1.00	0.08	0.80	0.00	C
HH1	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.26	0.40	0.00	C
HH2	0.01	1.00	0.01	1.00	0.04	0.60	0.05	0.80	0.28	0.30	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)



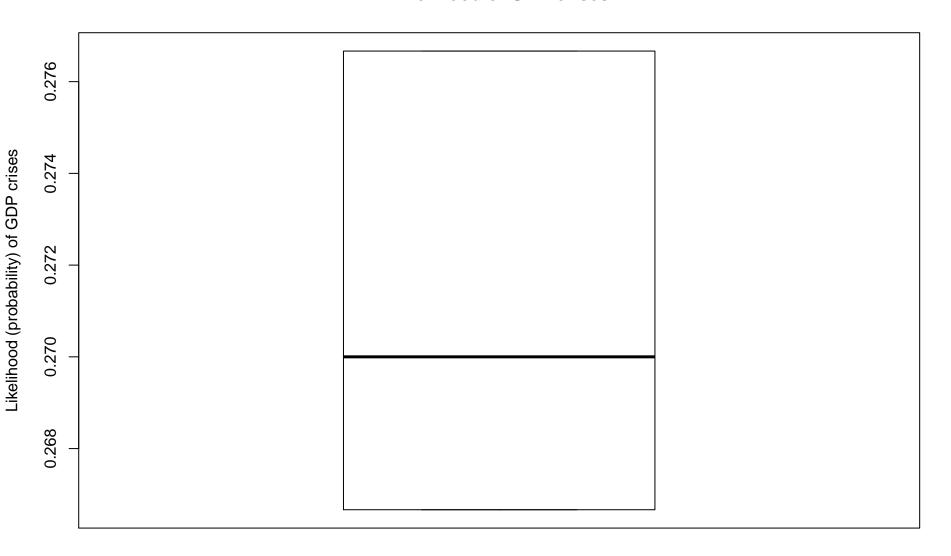


Volatility of GDP growth

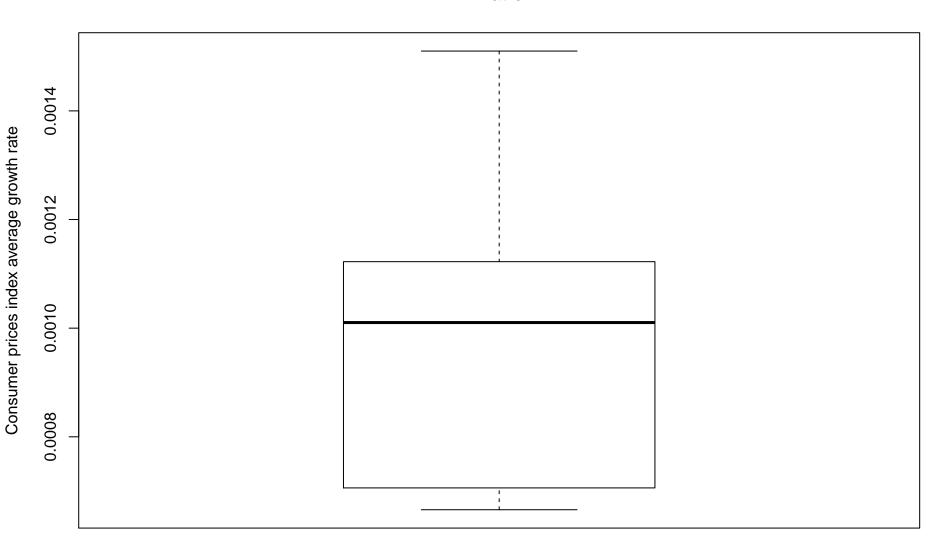


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

Likelihood of GDP crises

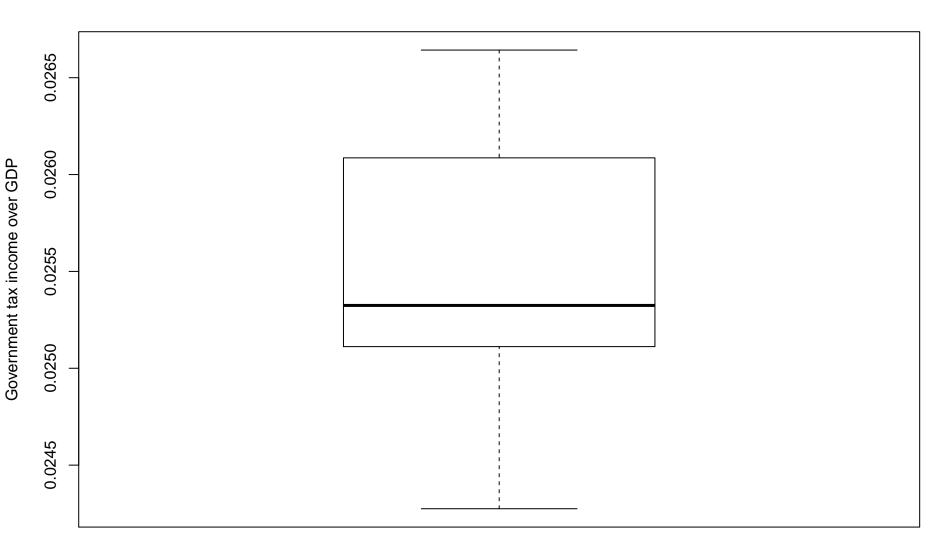




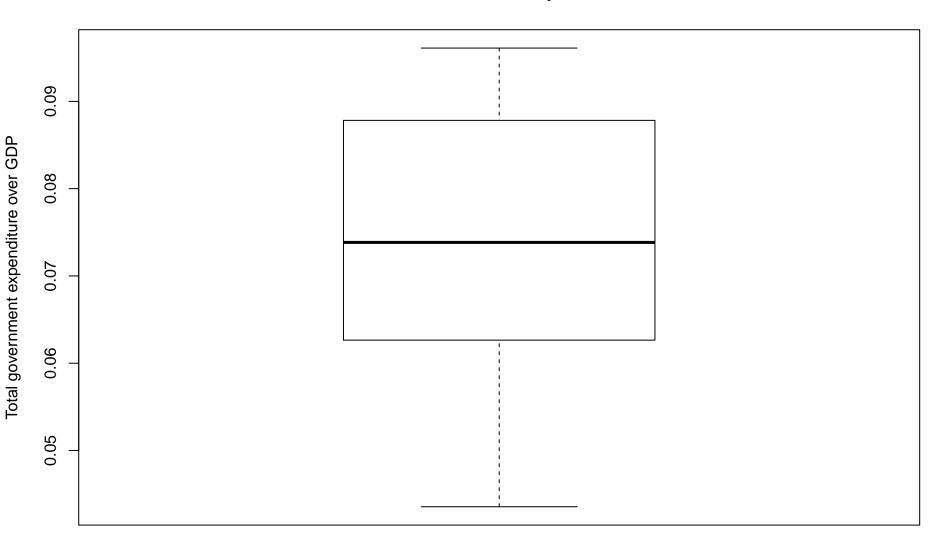


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)

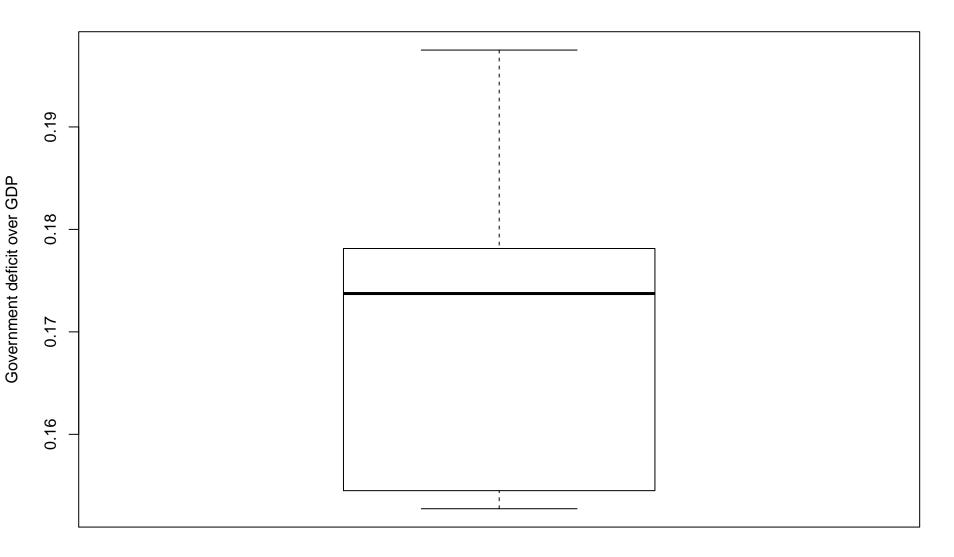




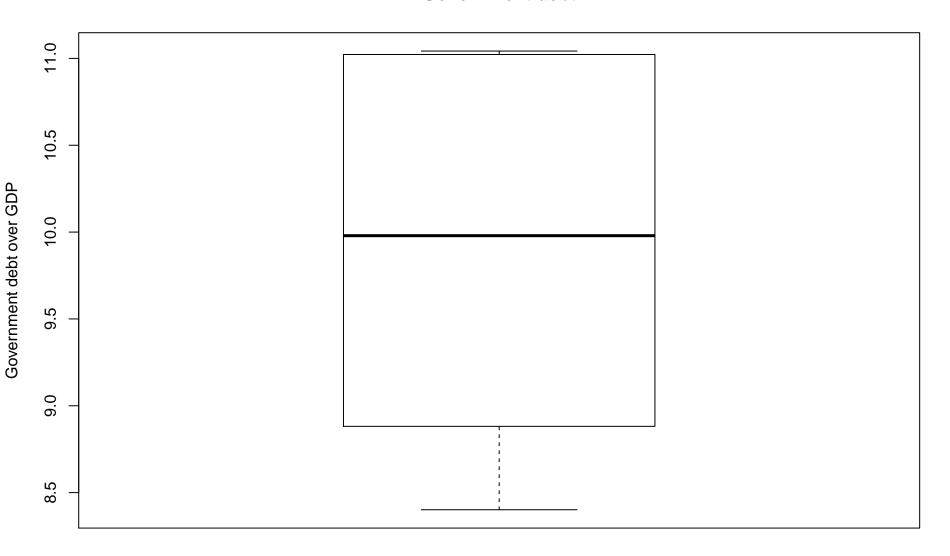
Government total expenditure

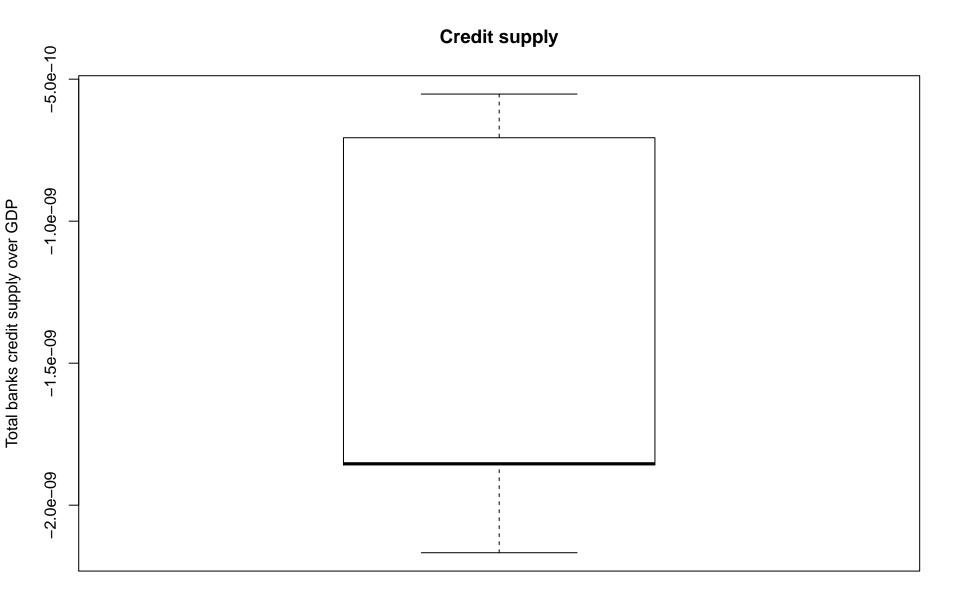


Government deficit

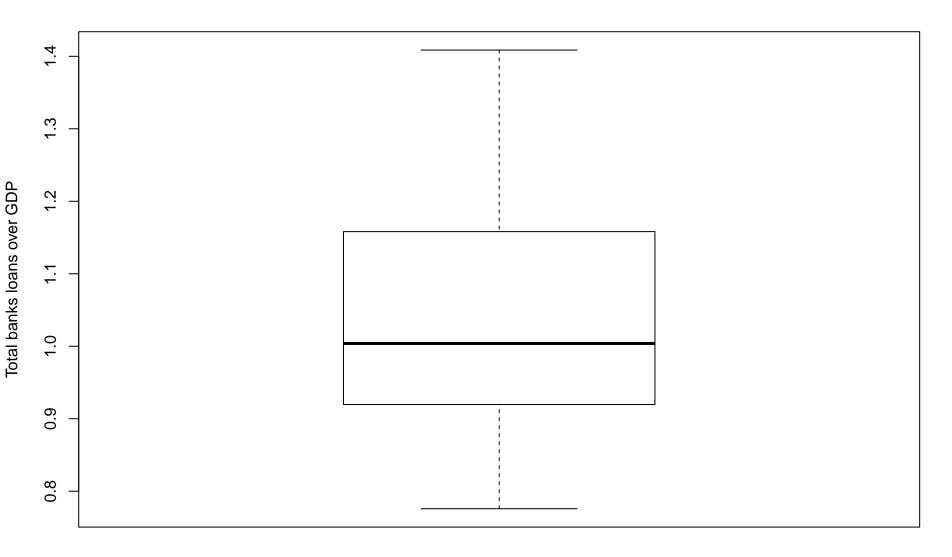


Government debt



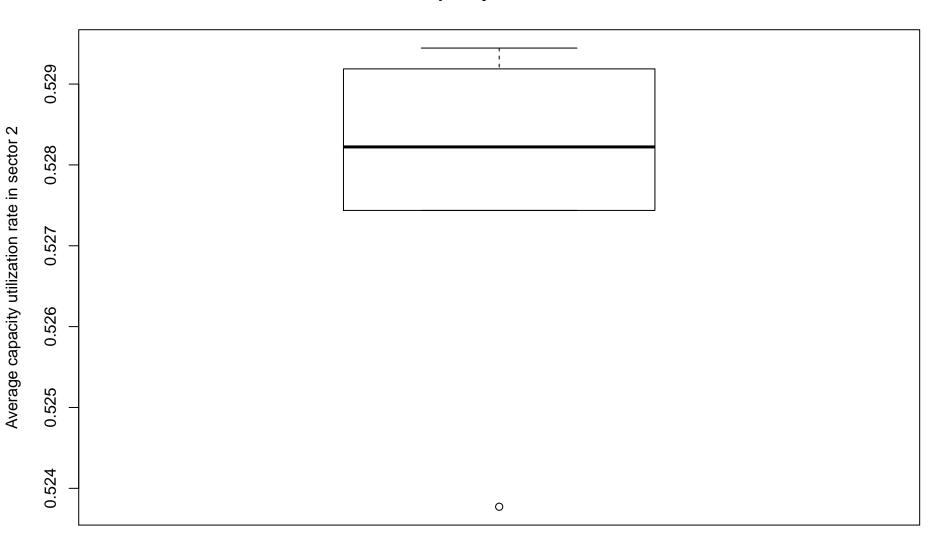




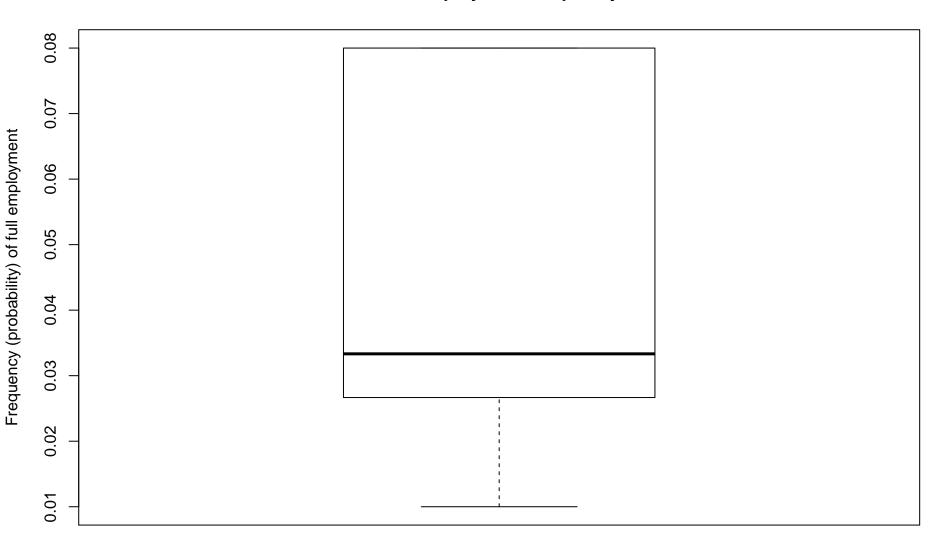


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

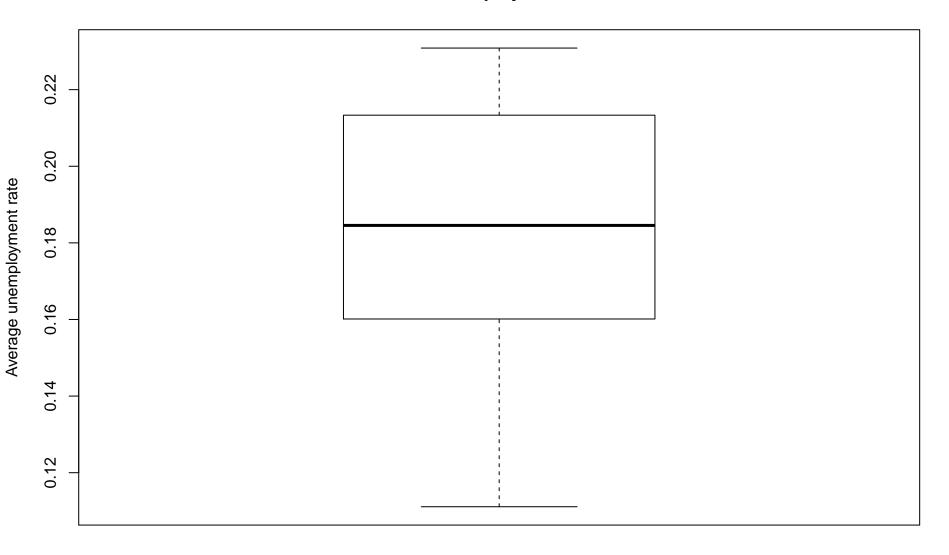
Capacity utilization



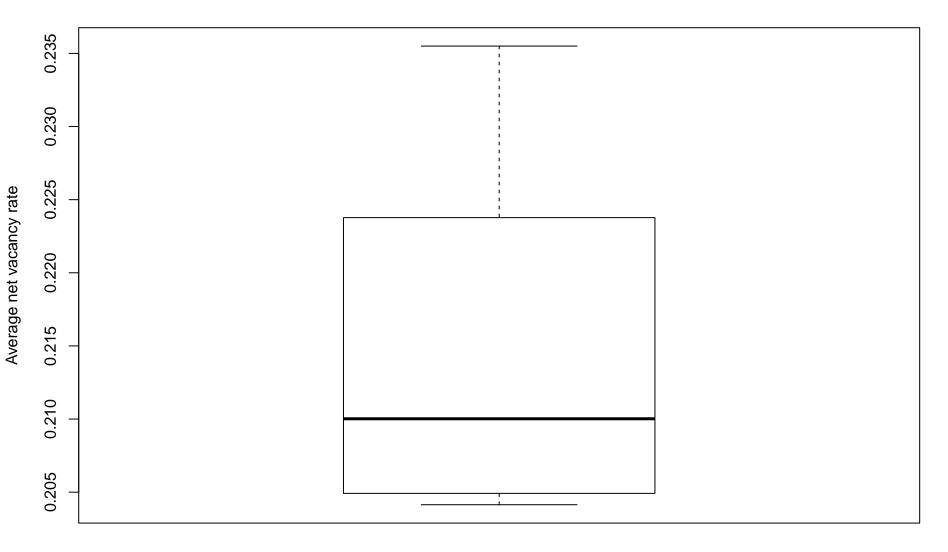
Full employment frequency



Unemployment

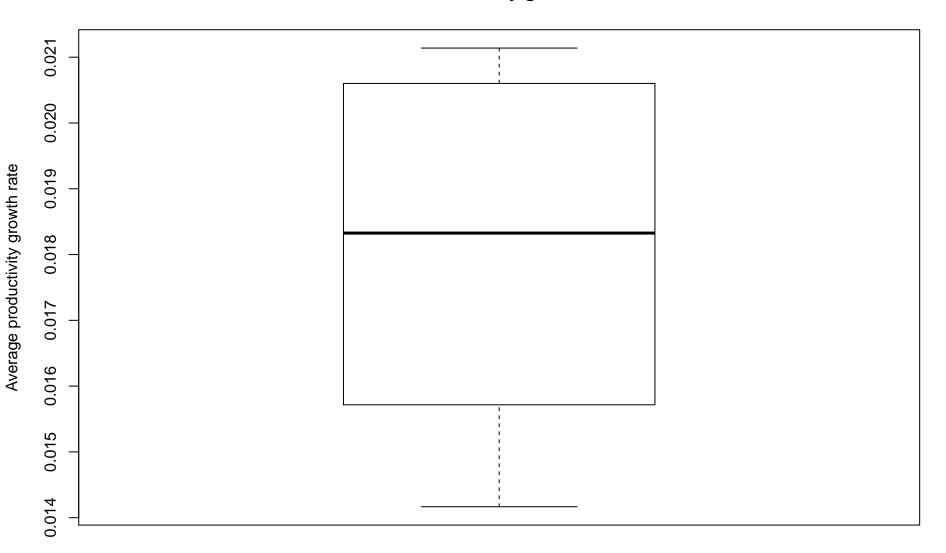




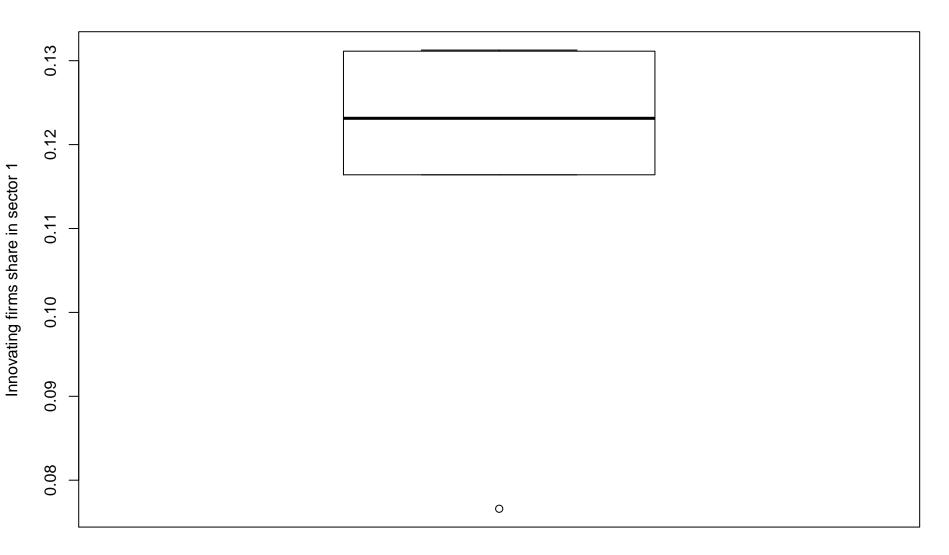


(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301 - 600)

Productivity growth

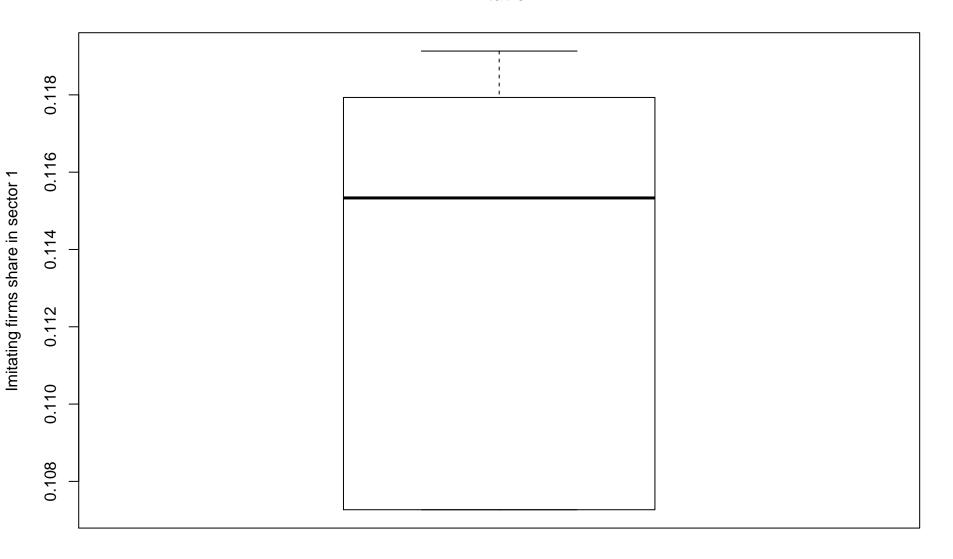


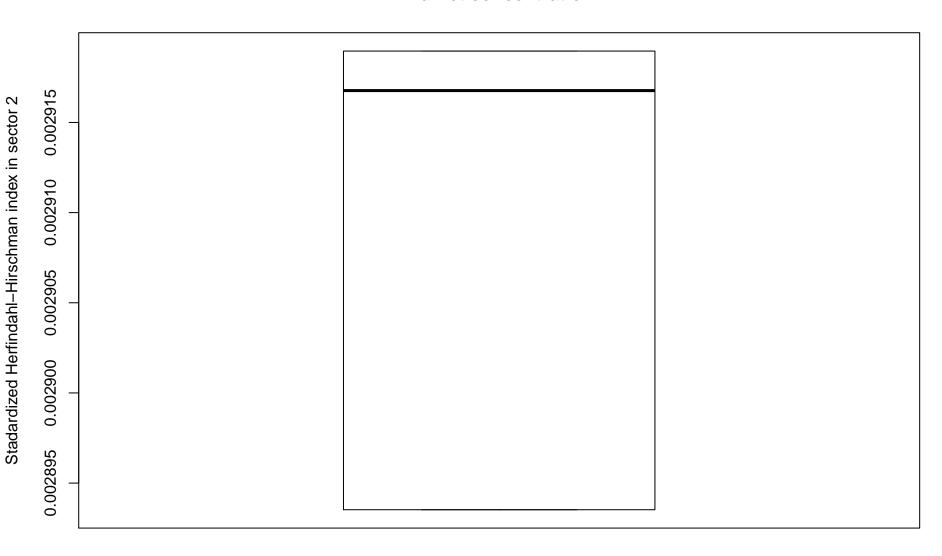




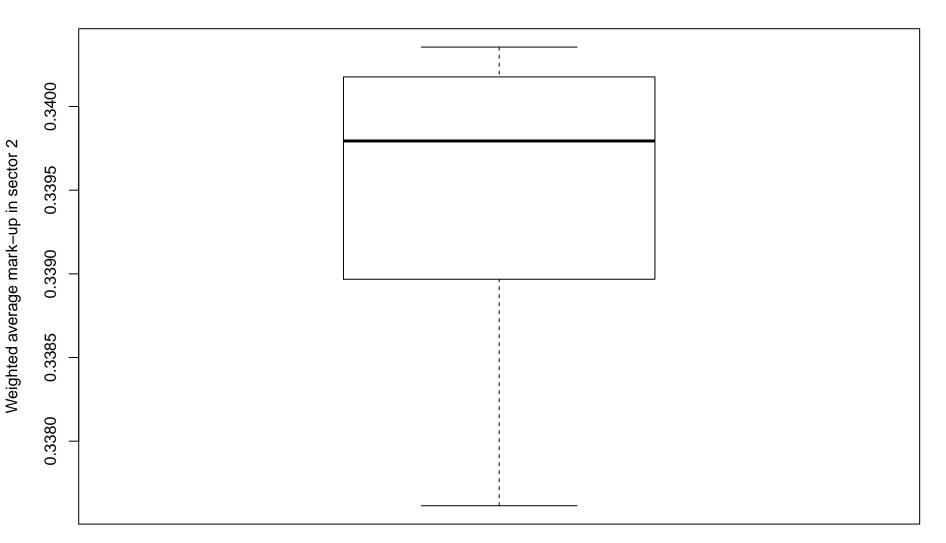
(bar: median / box: 2nd-3rd quartile / whiskers: max-min / points: outliers / MC runs = 5 / period = 301-600)



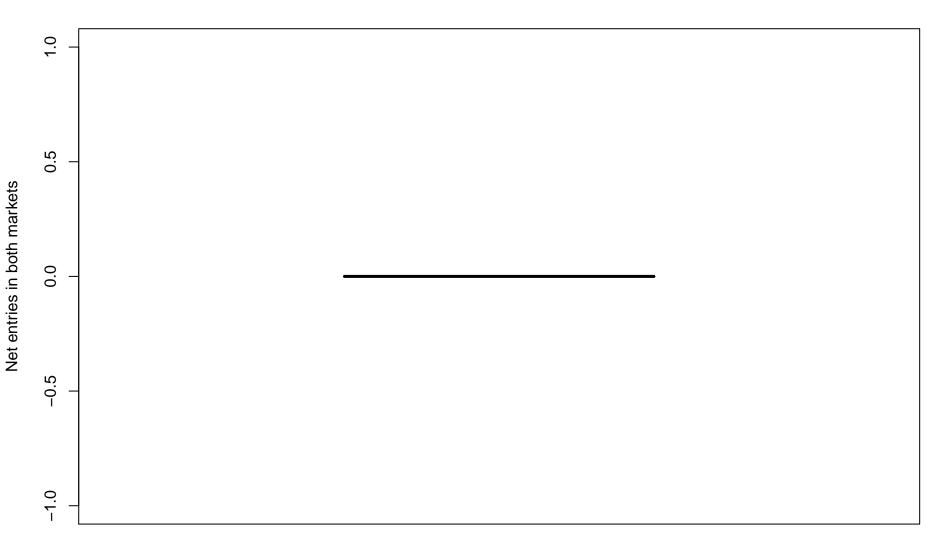












Monte Carlo descriptive statistics (all experiments)

	Avg[1]	SD[1]	Min[1]	Max[1]
GDP growth	0.01845	0.002924	0.01474	0.02133
Volatility of GDP growth	0.09082	0.003809	0.08631	0.09559
Likelihood of GDP crises	0.276	0.01402	0.2667	0.3
Inflation	0.001003	0.000344	0.0006657	0.00151
Tax	0.02549	0.0009126	0.02427	0.02664
Government total expenditure	0.07279	0.02079	0.04355	0.09611
Government deficit	0.1713	0.01848	0.1527	0.1975
Government debt	9.865	1.209	8.401	11.04
Credit supply	-1.428e-09	7.417e-10	-2.167e-09	-5.524e-10
Loans	1.053	0.2422	0.7758	1.409
Capacity utilization	0.5276	0.002291	0.5238	0.5294
Full employment frequency	0.072	0.0814	0.01	0.21
Unemployment	0.18	0.04706	0.1111	0.2309
Vacancy	0.2157	0.0136	0.2041	0.2355
Productivity growth	0.01799	0.003026	0.01417	0.02114
Innovation	0.1157	0.02272	0.0766	0.1313
Imitation	0.1054	0.02186	0.06713	0.1191
Market concentration	0.002903	8.9e-05	0.002768	0.003017
Mark-ups	0.3394	0.001123	0.3376	0.3404
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)