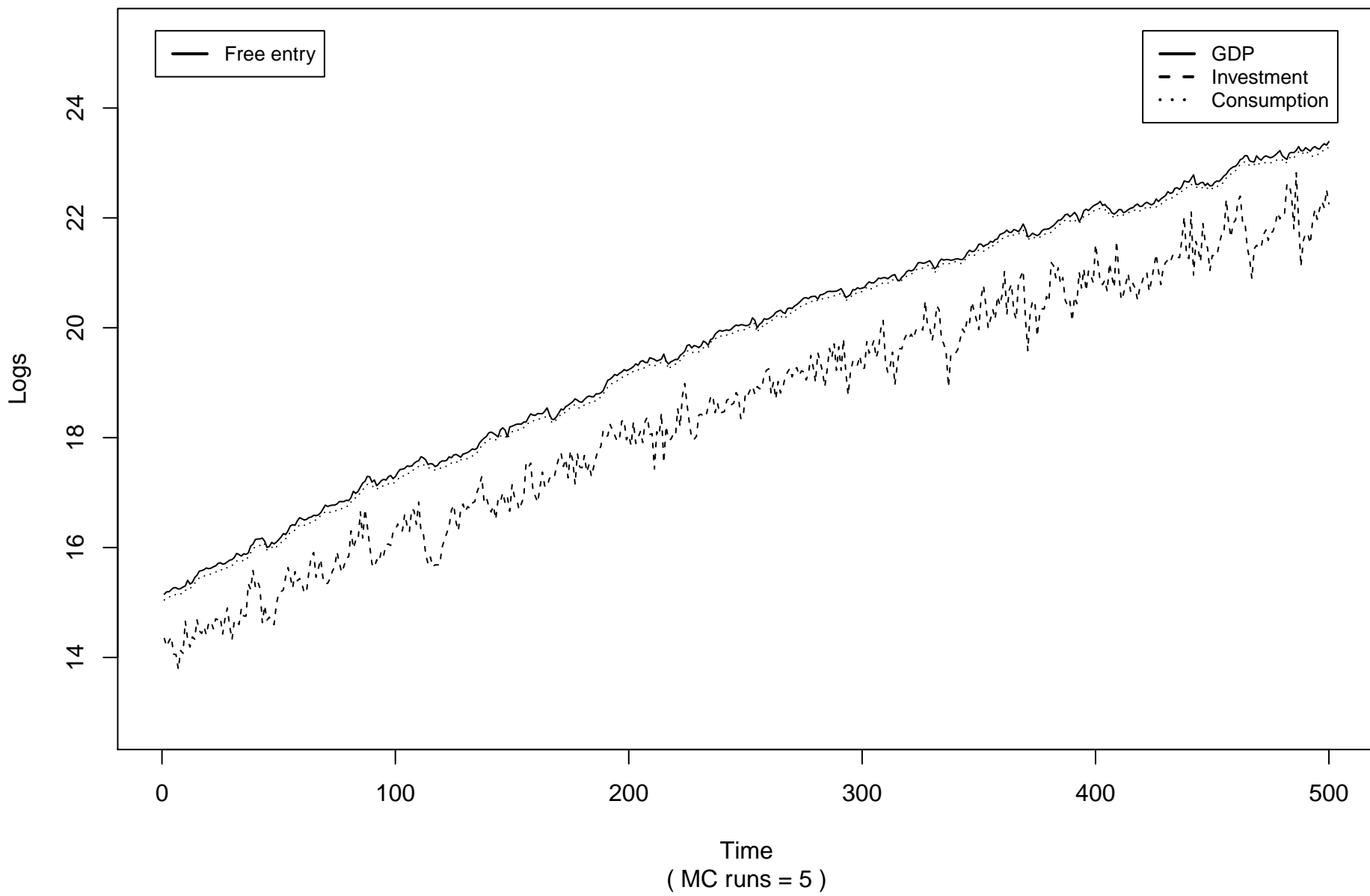
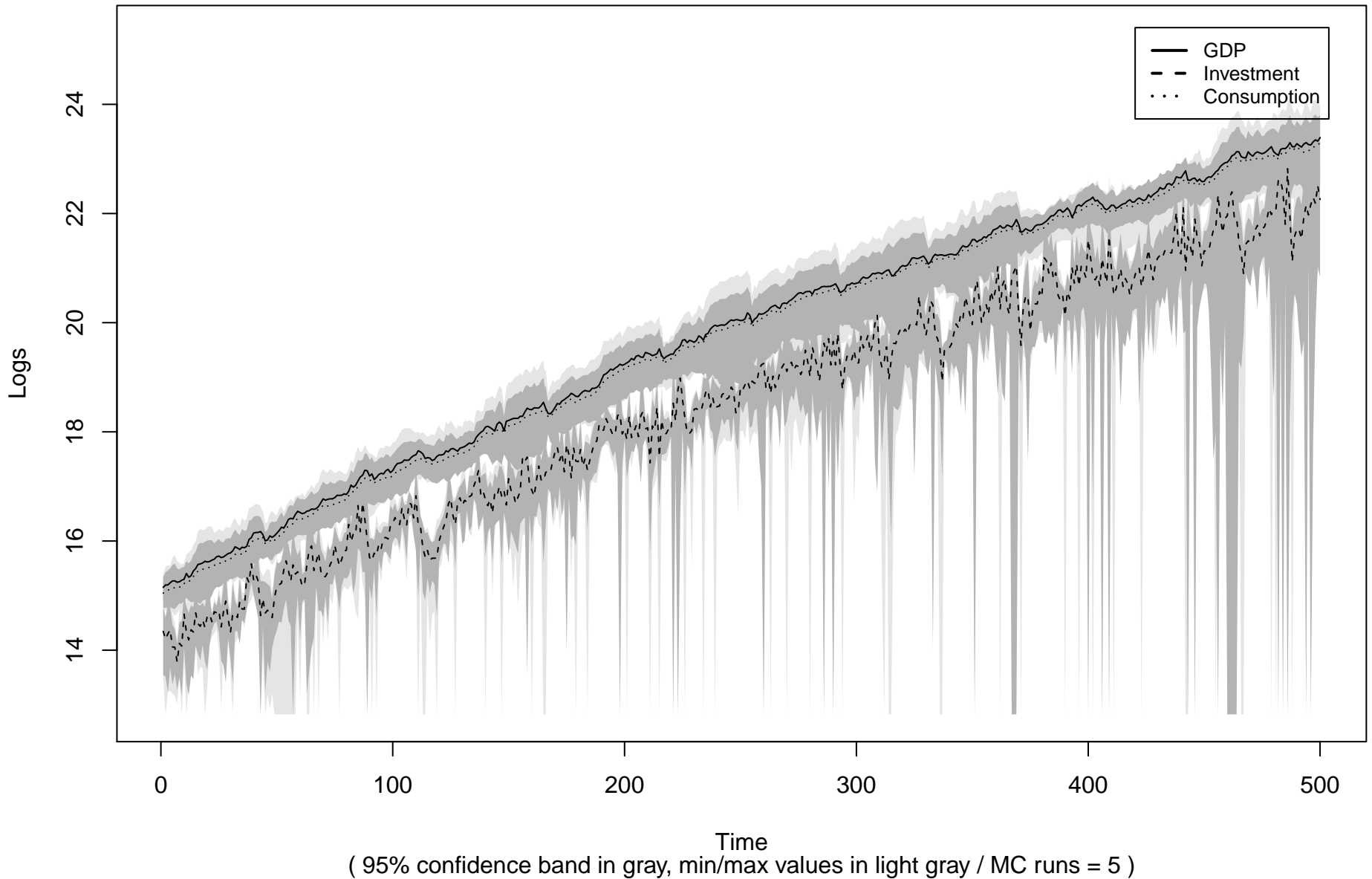


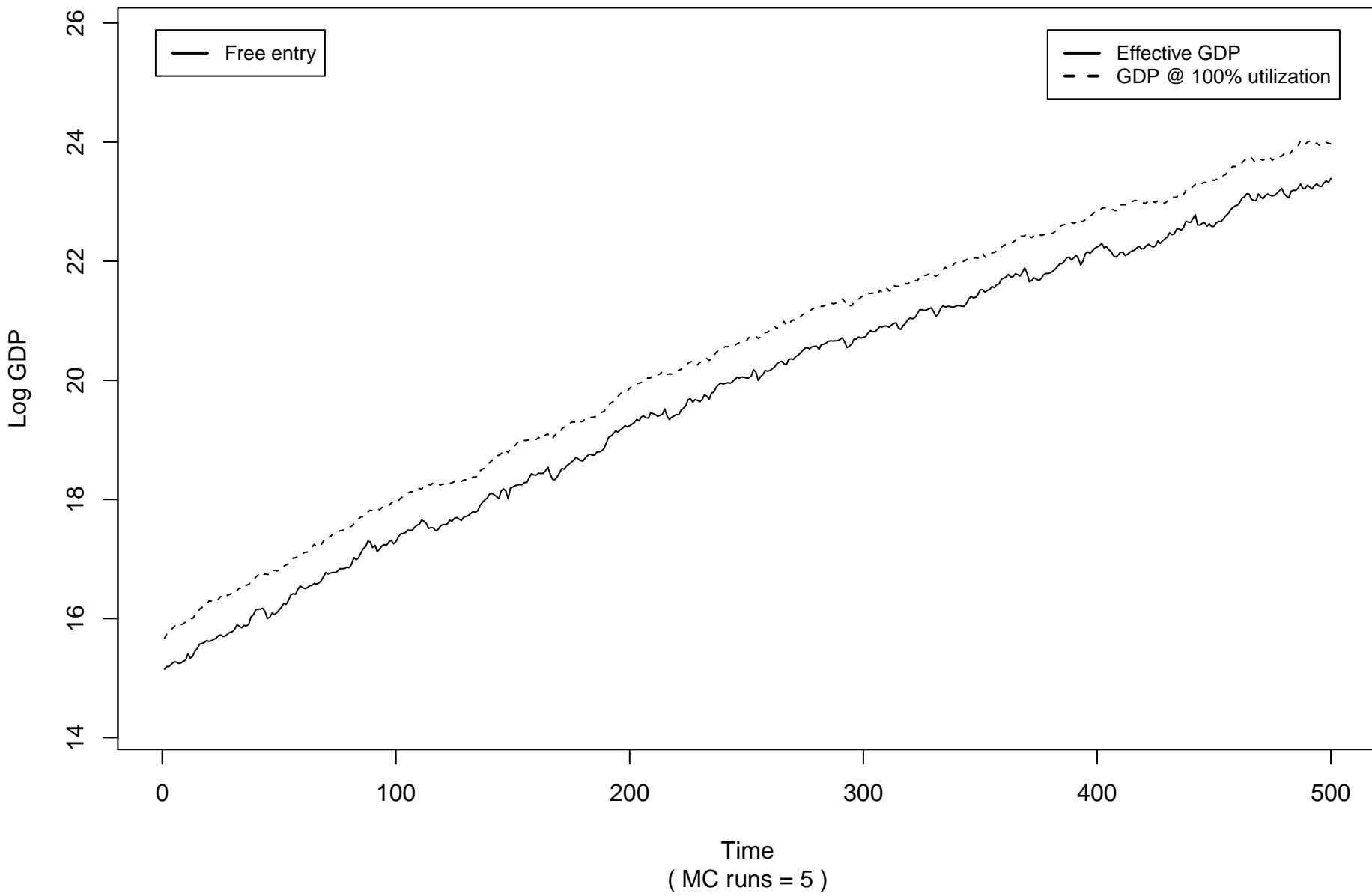
GDP, investment and consumption (all experiments)



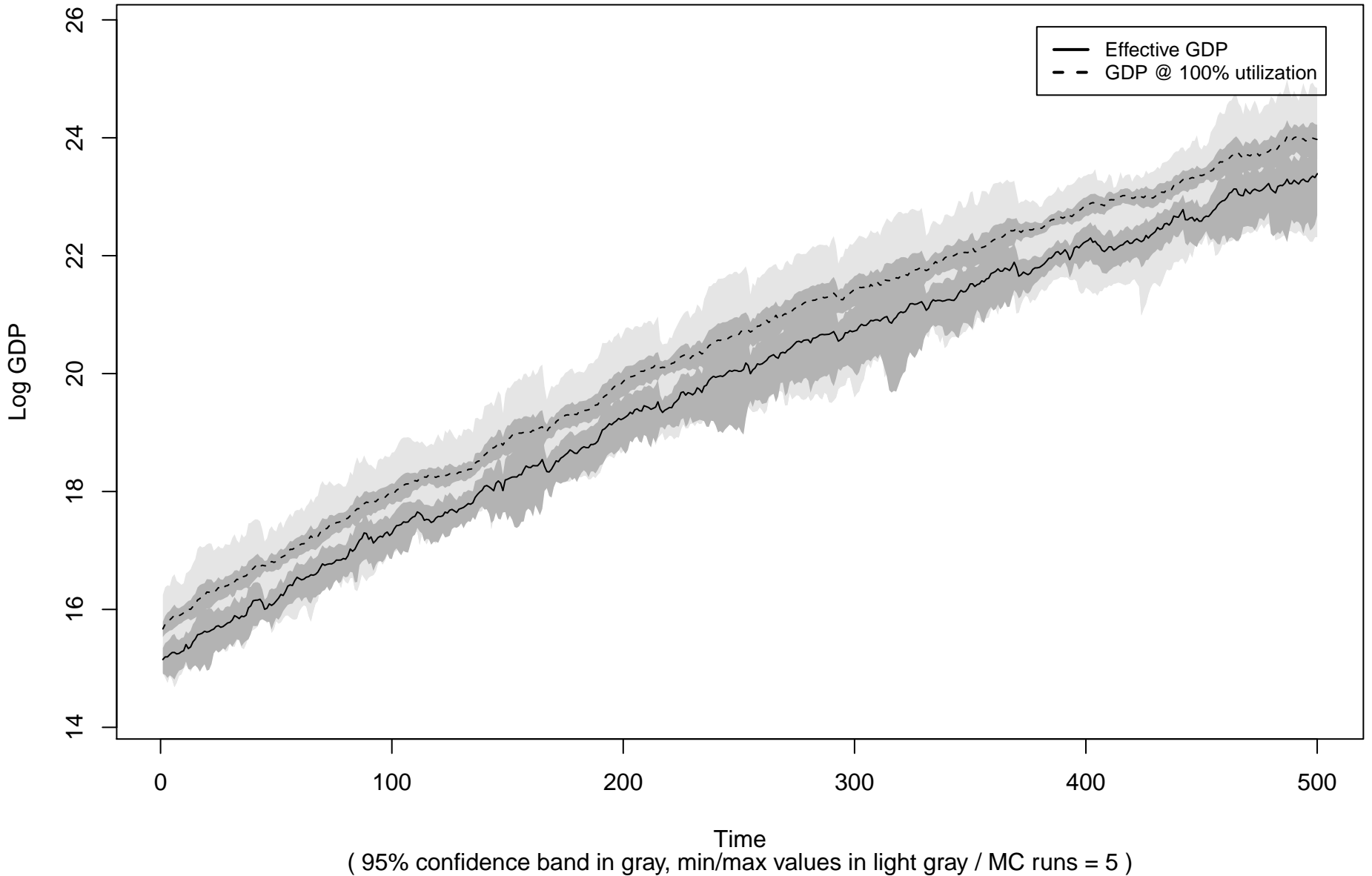
GDP, investment and consumption (Free entry)



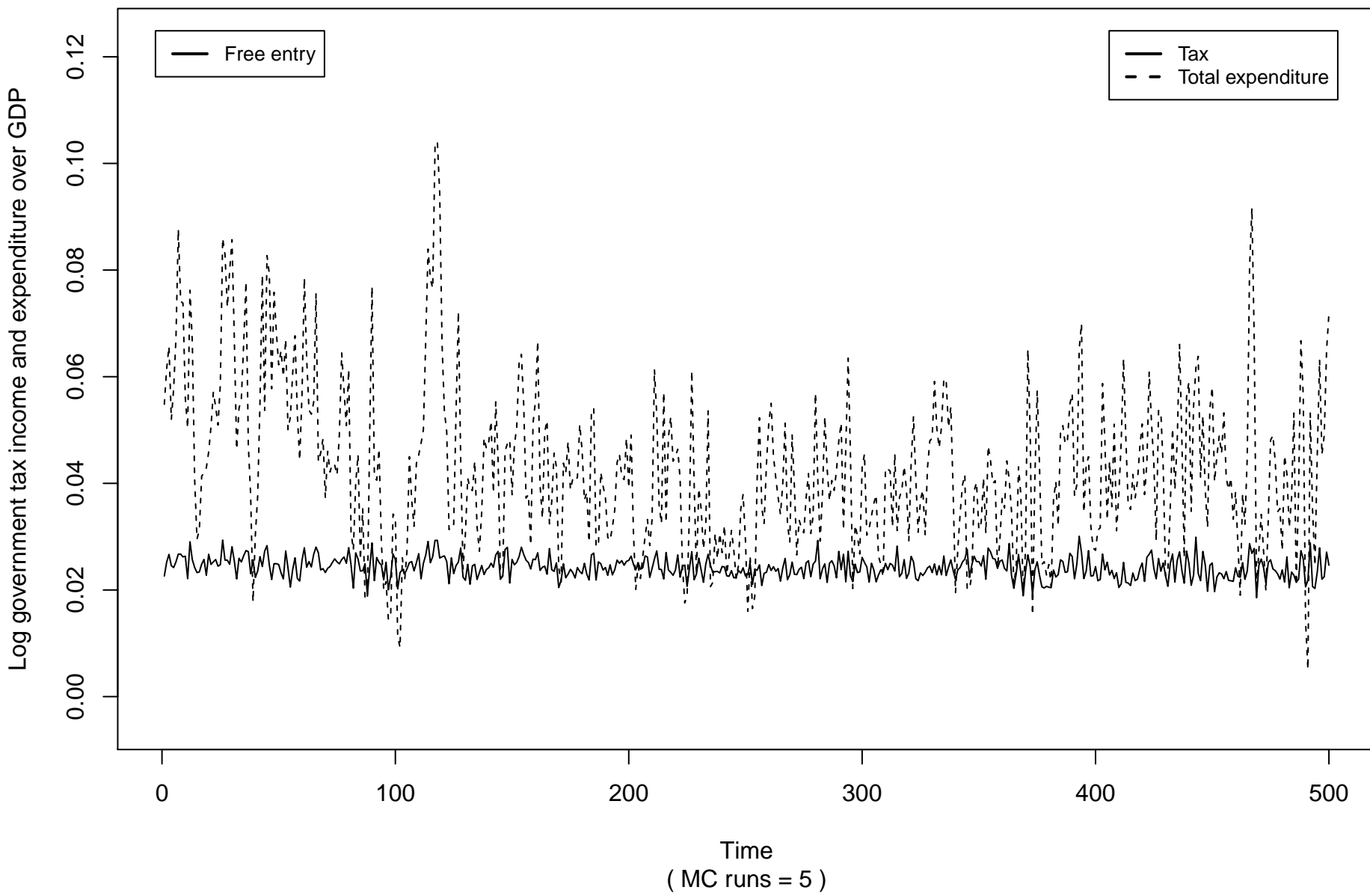
GDP (all experiments)



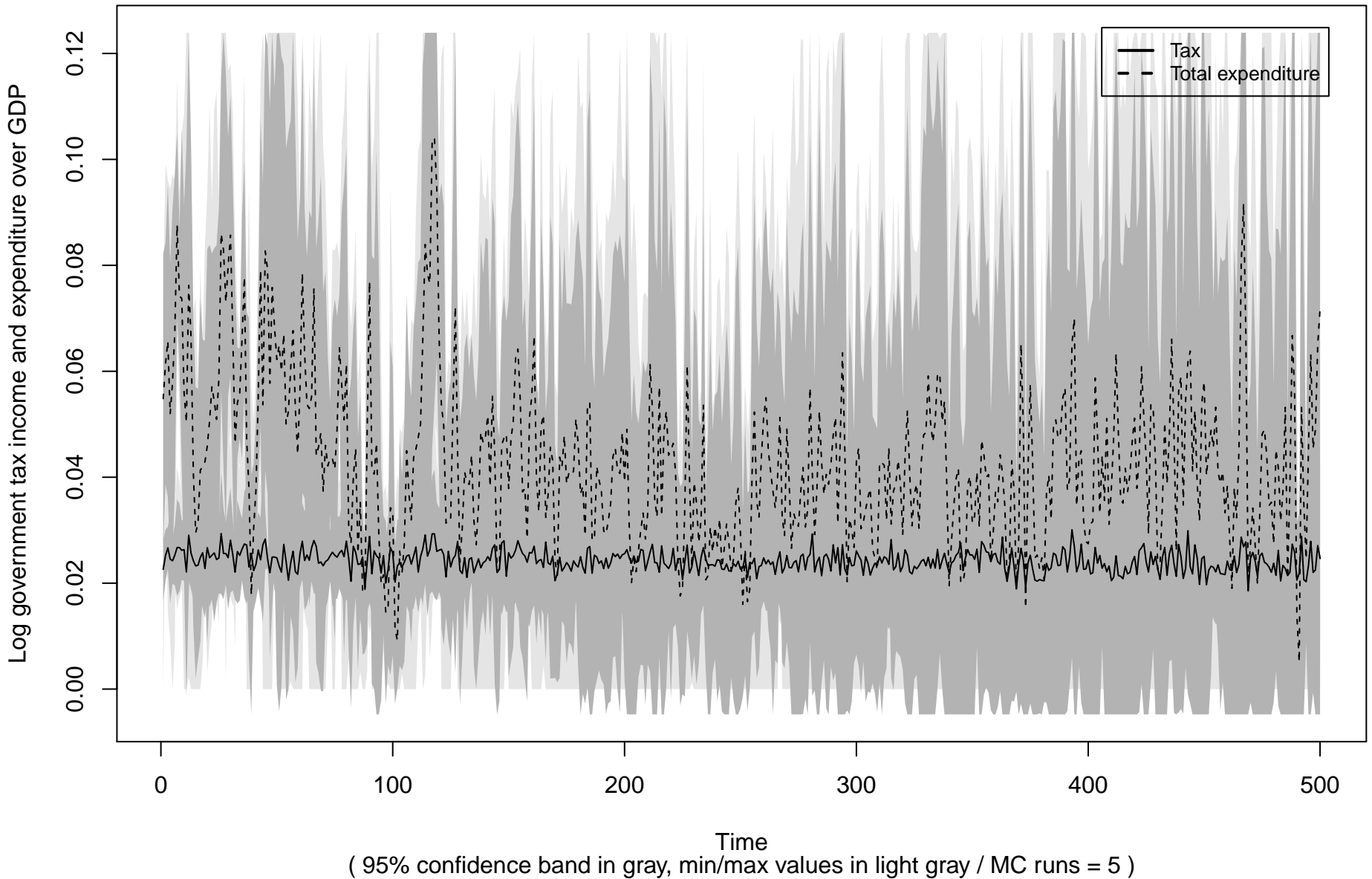
GDP (Free entry)



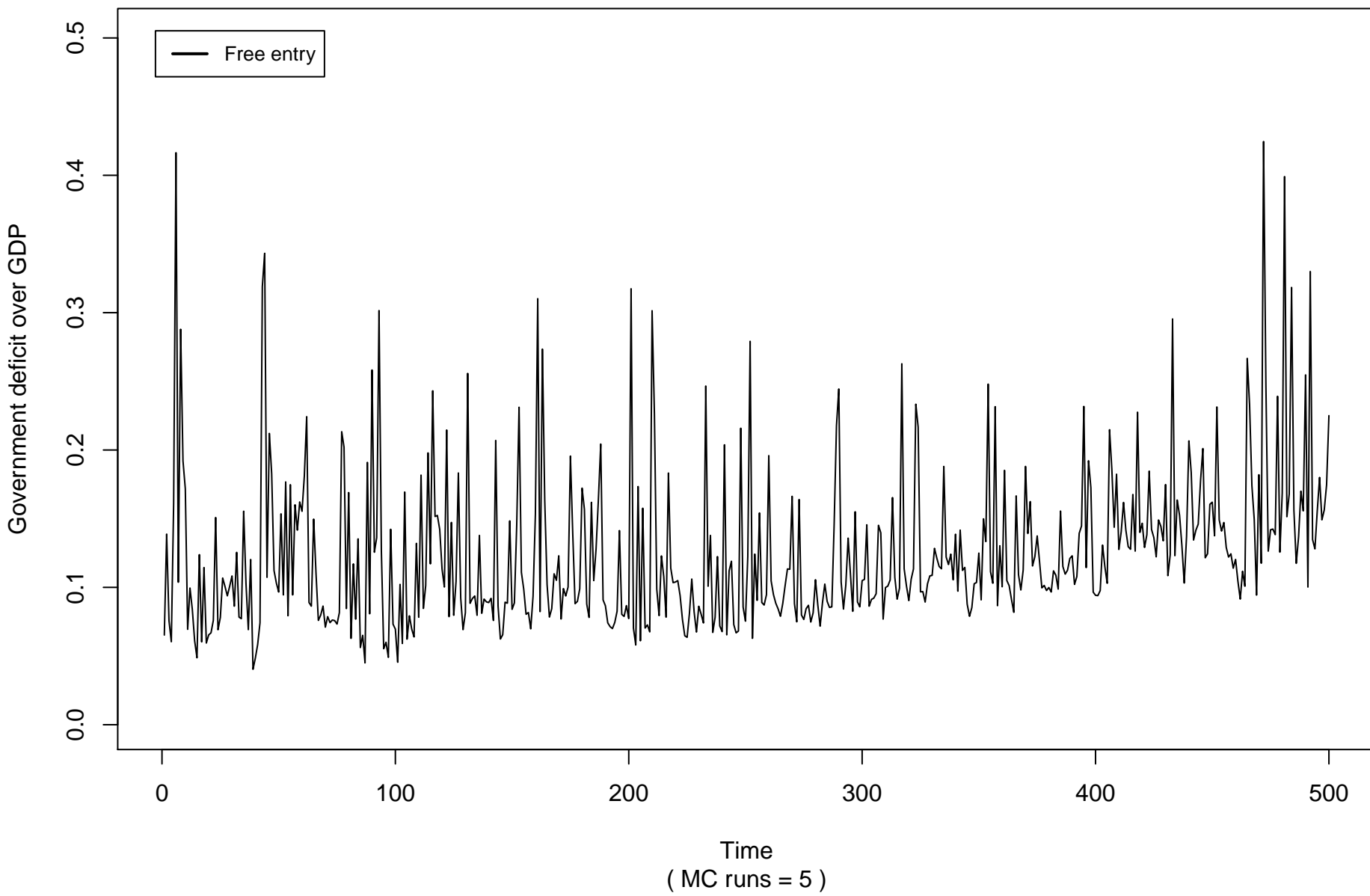
Government income and expenditure on GDP (all experiments)



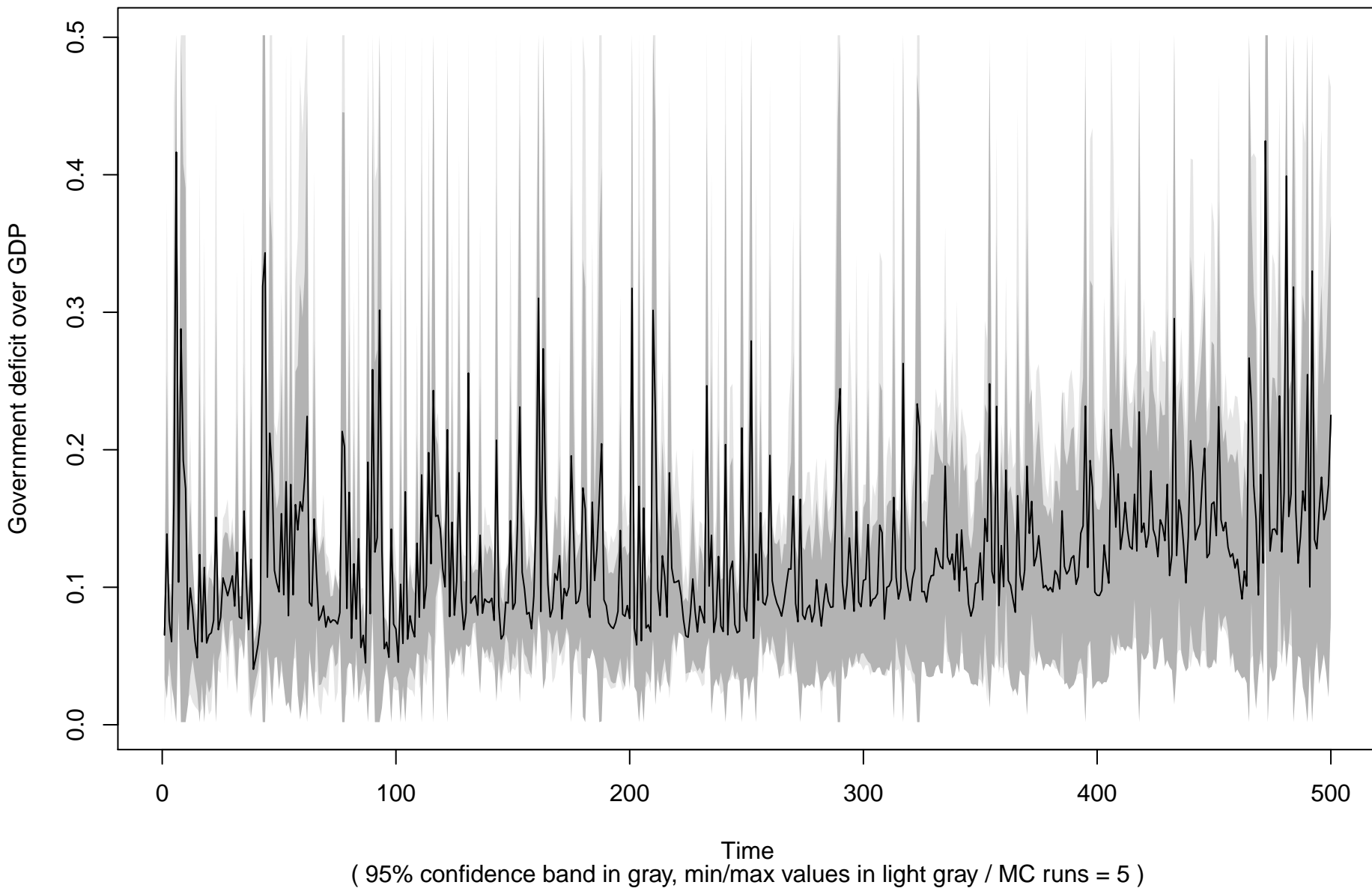
Government income and expenditure on GDP (Free entry)



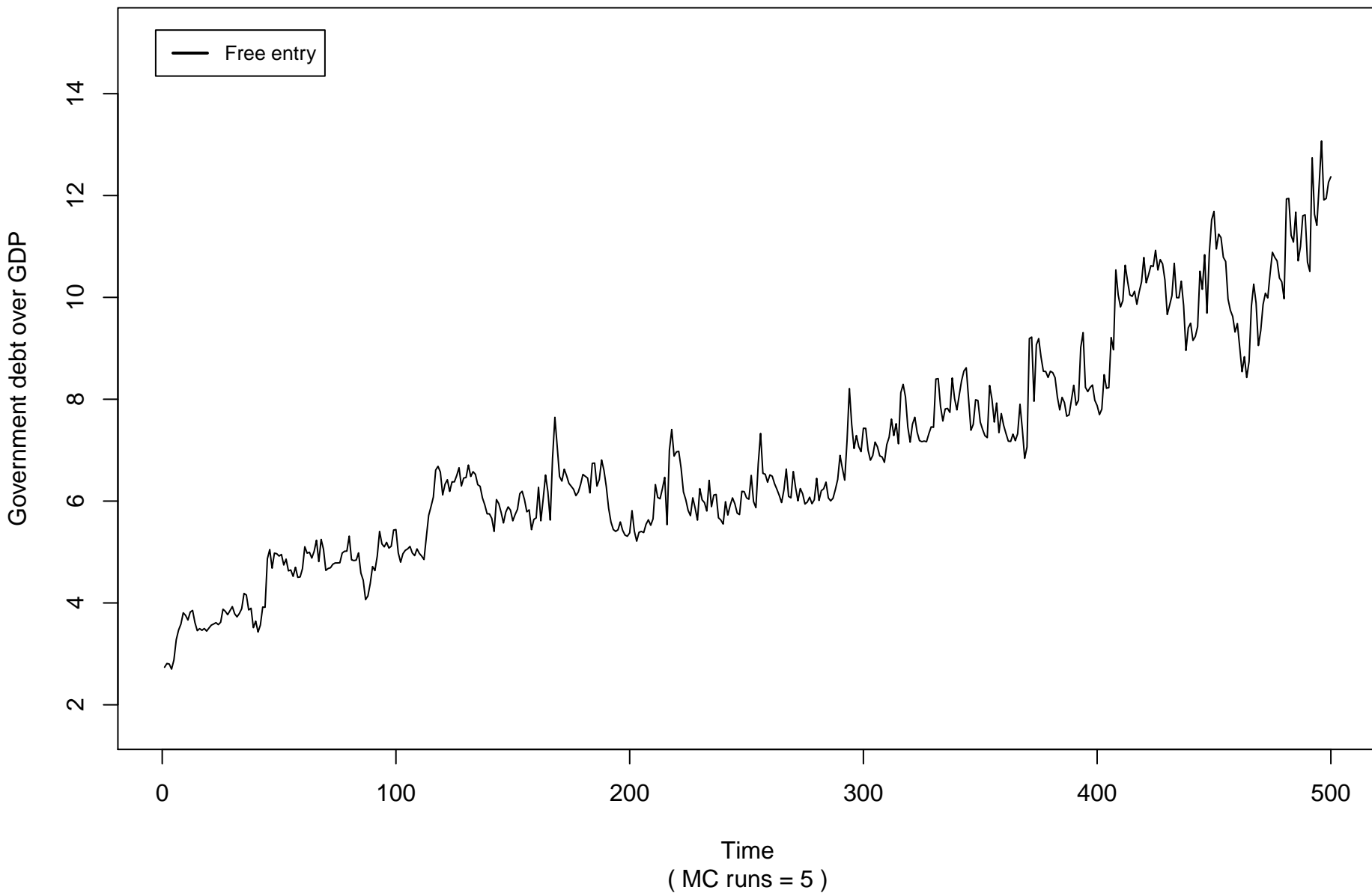
Government deficit on GDP (all experiments)



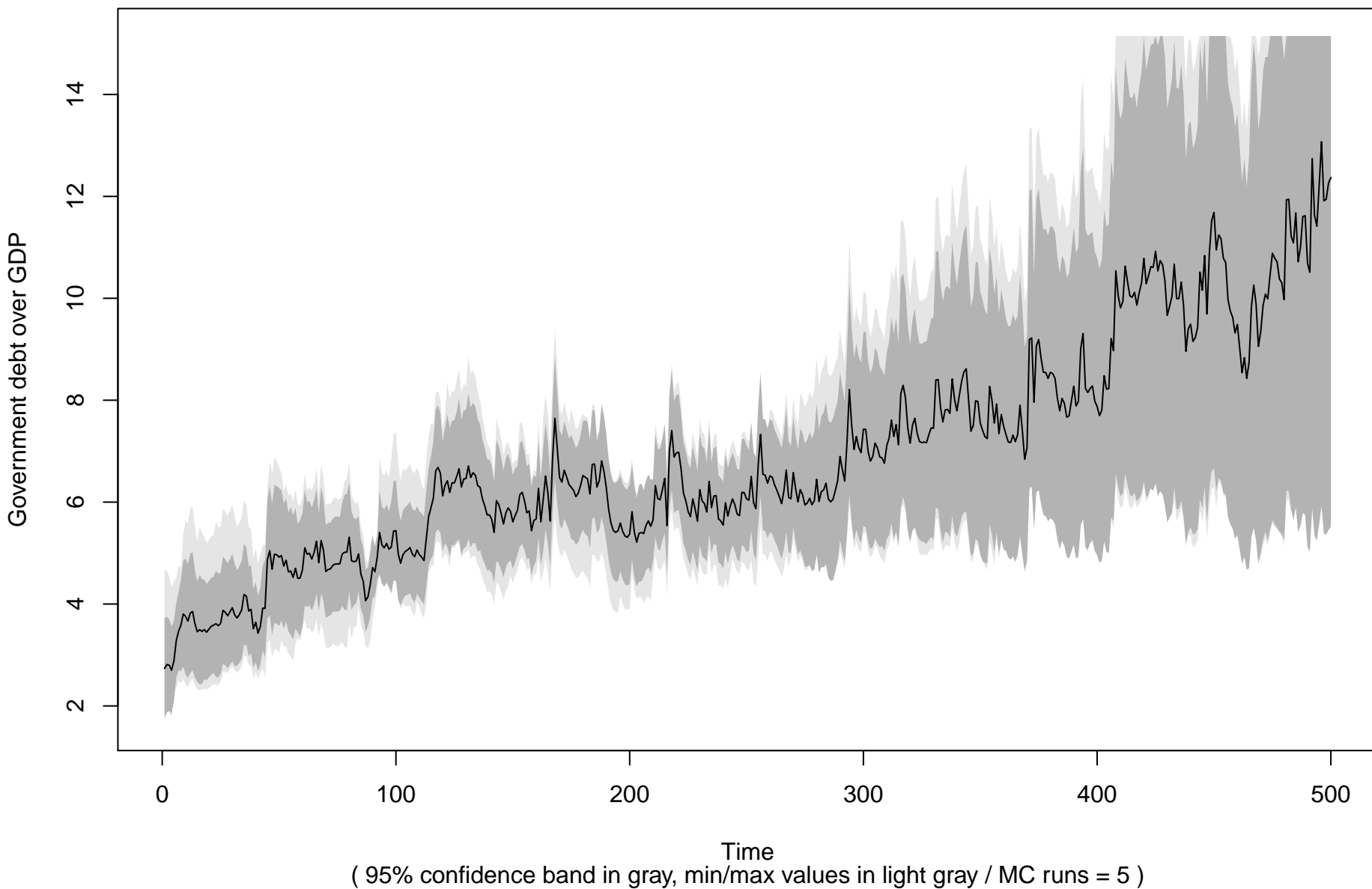
Government deficit on GDP (Free entry)



Government debt on GDP (all experiments)

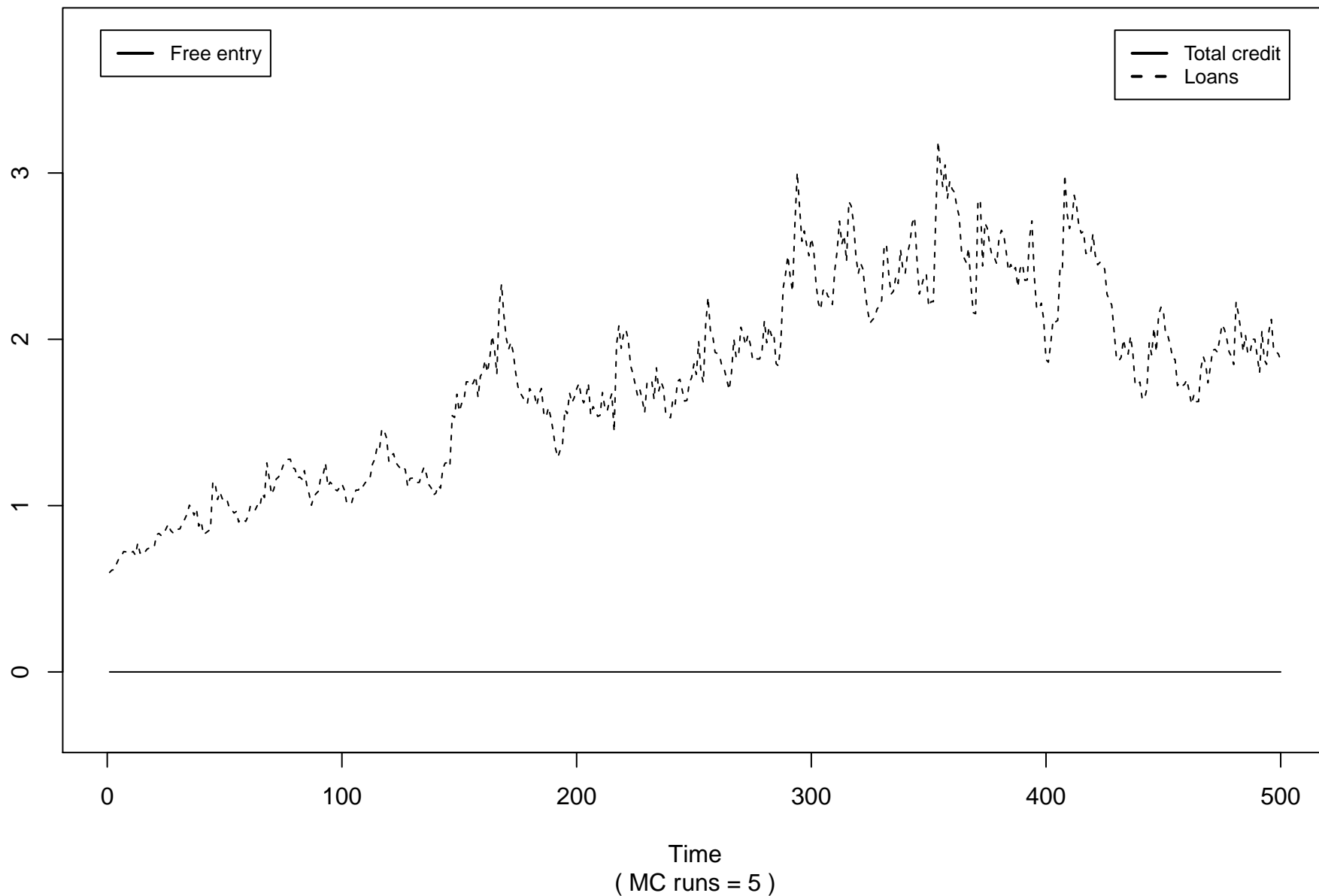


Government debt on GDP (Free entry)

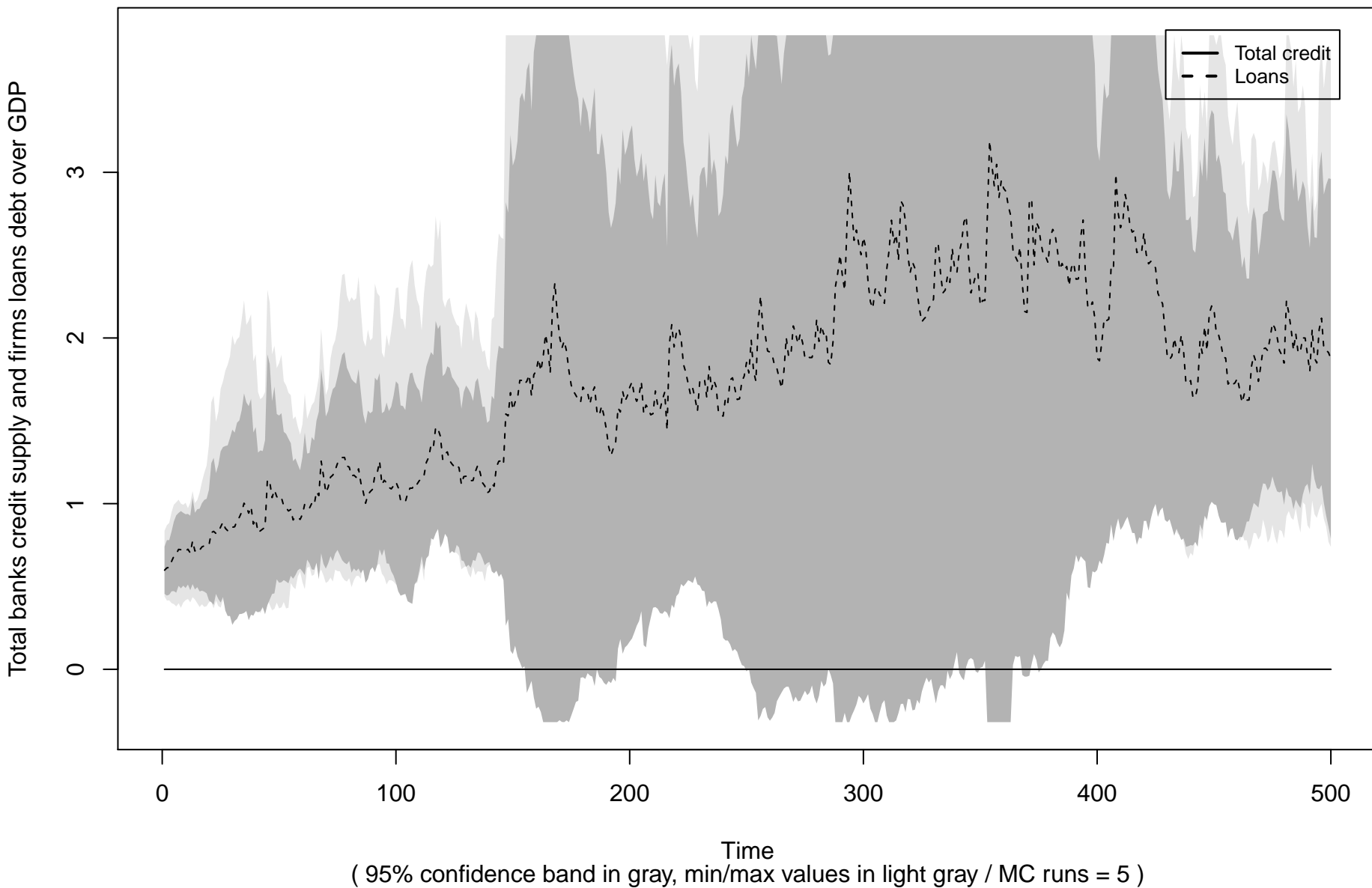


Total credit supply and loans on GDP (all experiments)

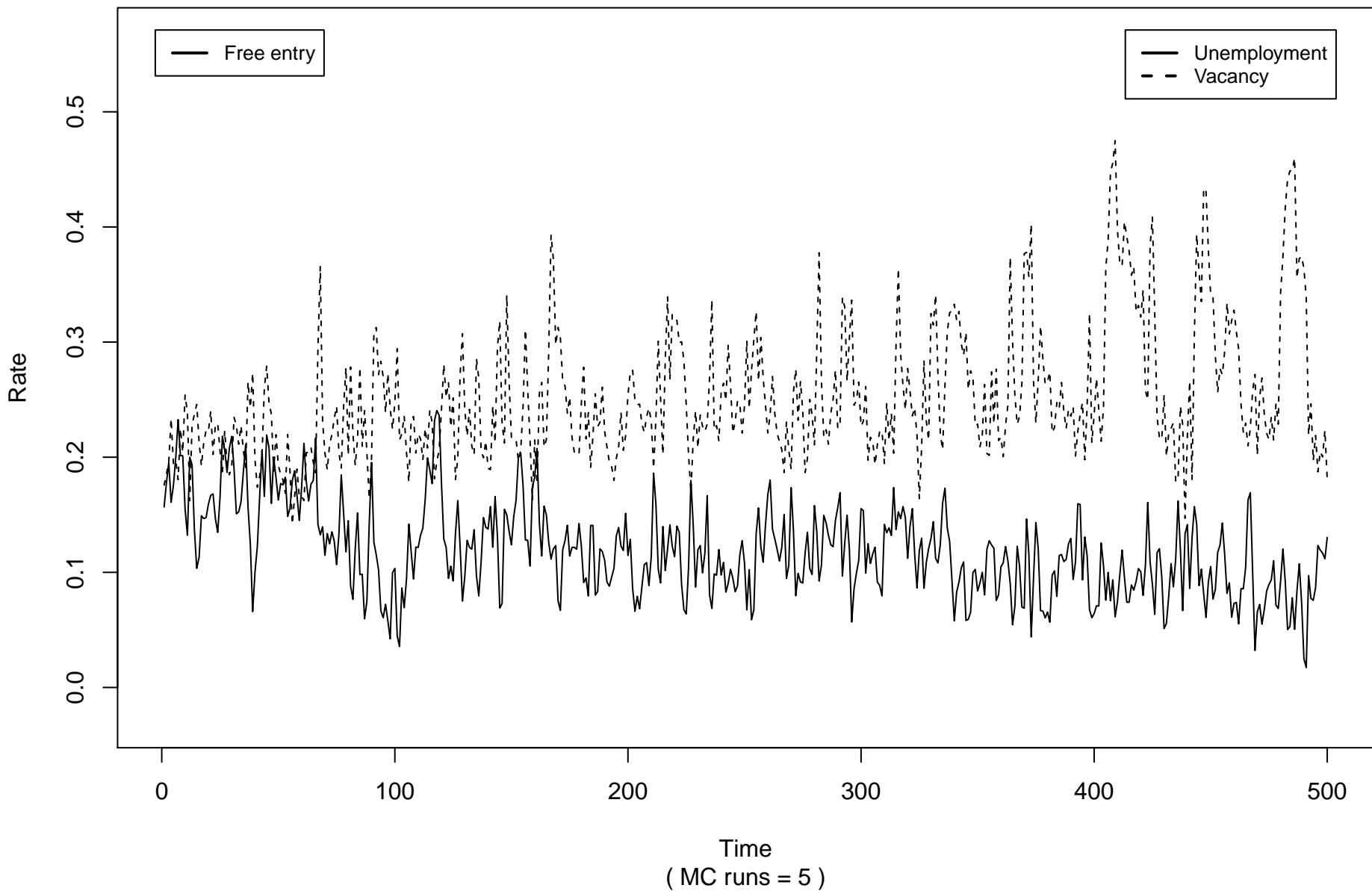
Total banks credit supply and firms loans debt over GDP



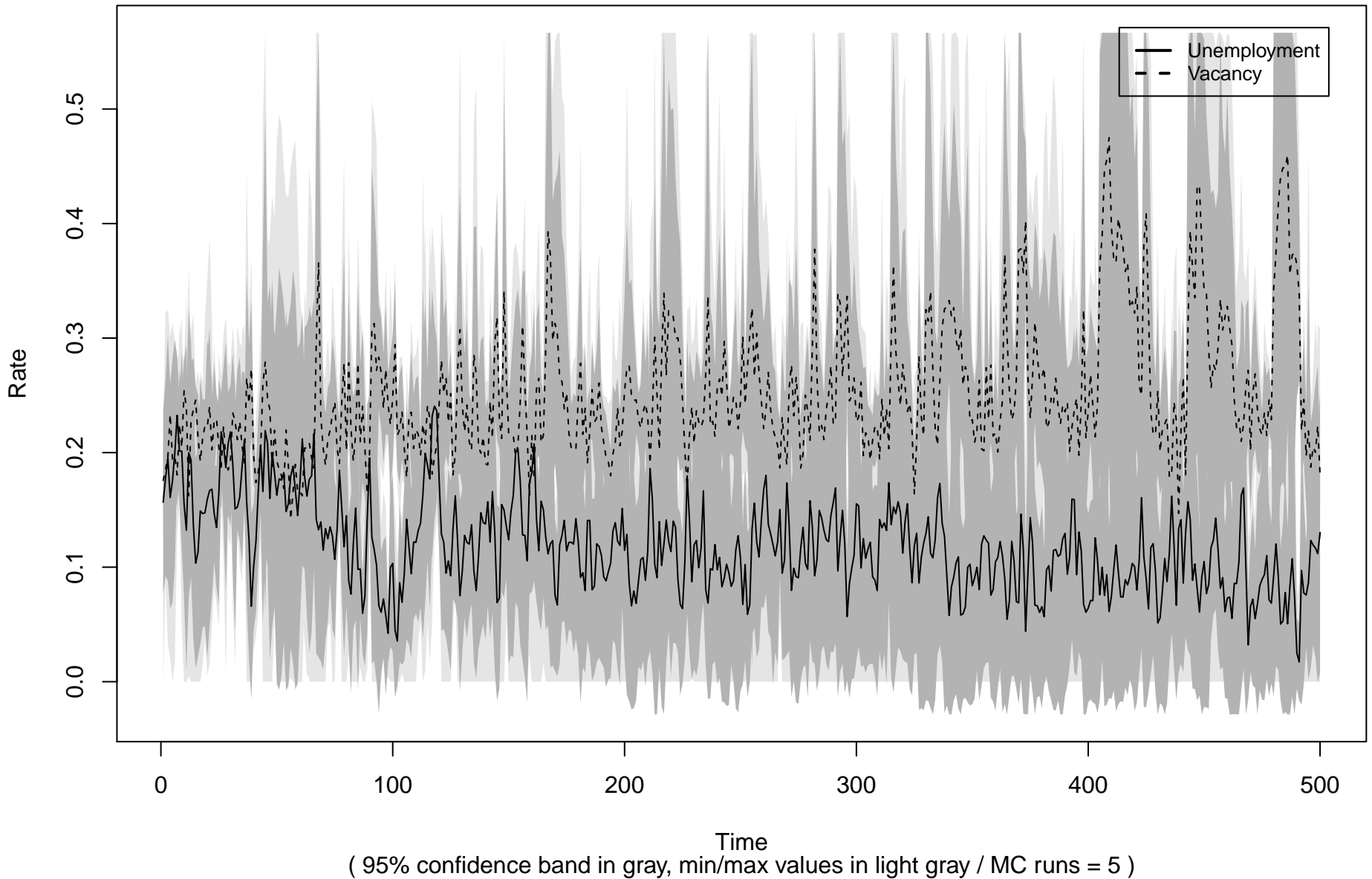
Total credit supply and loans on GDP (Free entry)



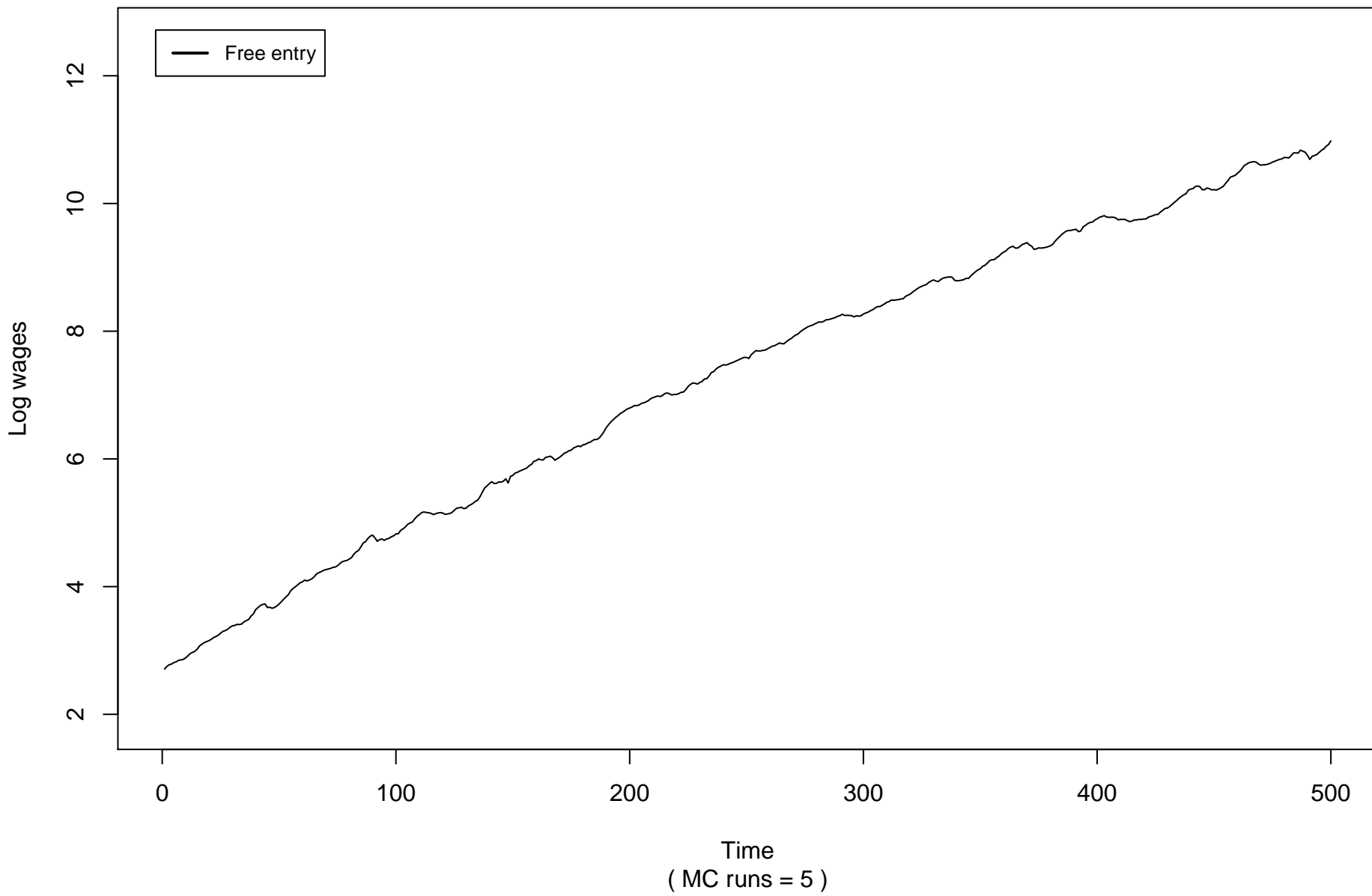
Unemployment and vacancy rates (all experiments)



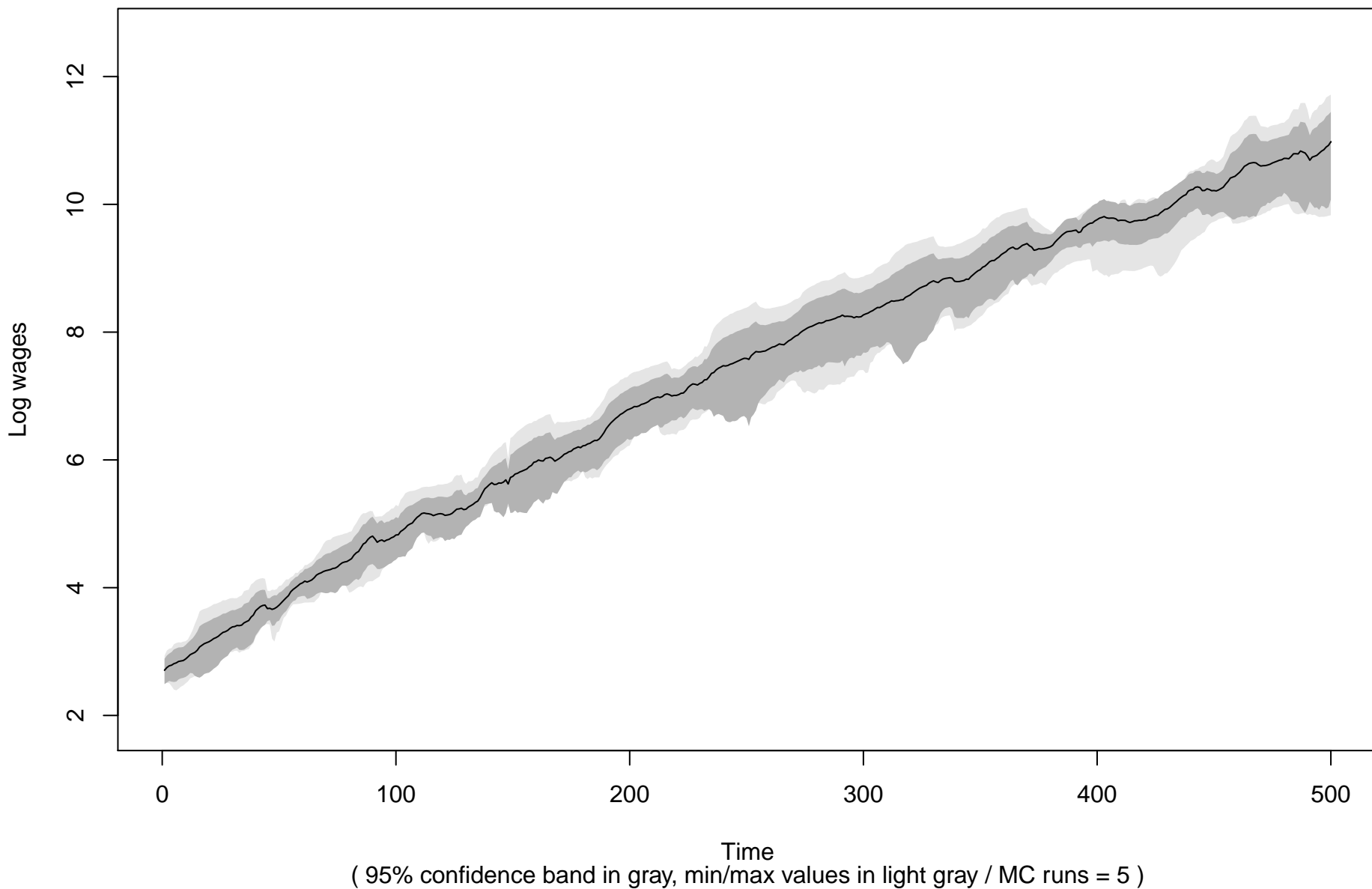
Unemployment and vacancy rates (Free entry)



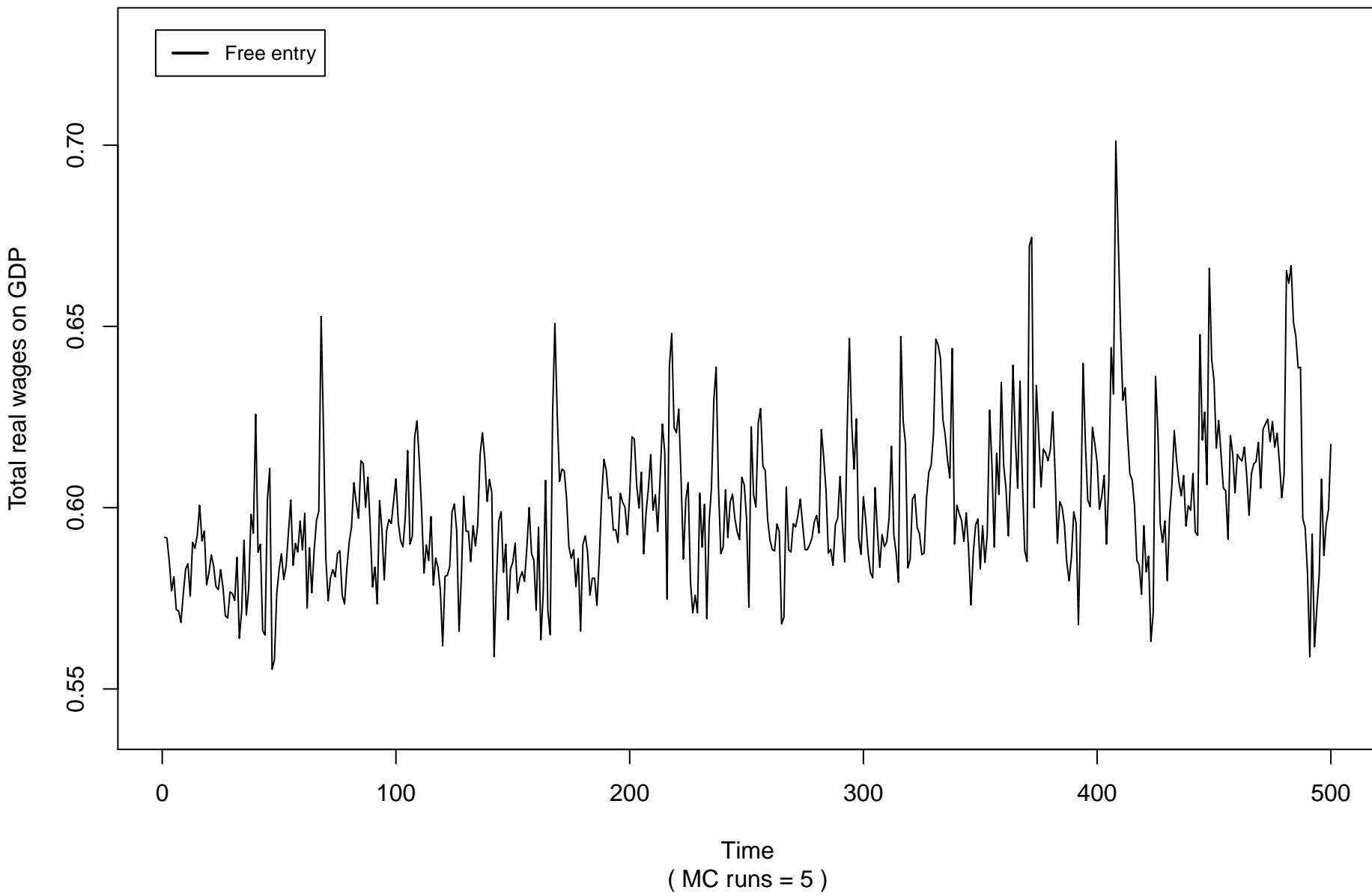
Real wages average (all experiments)



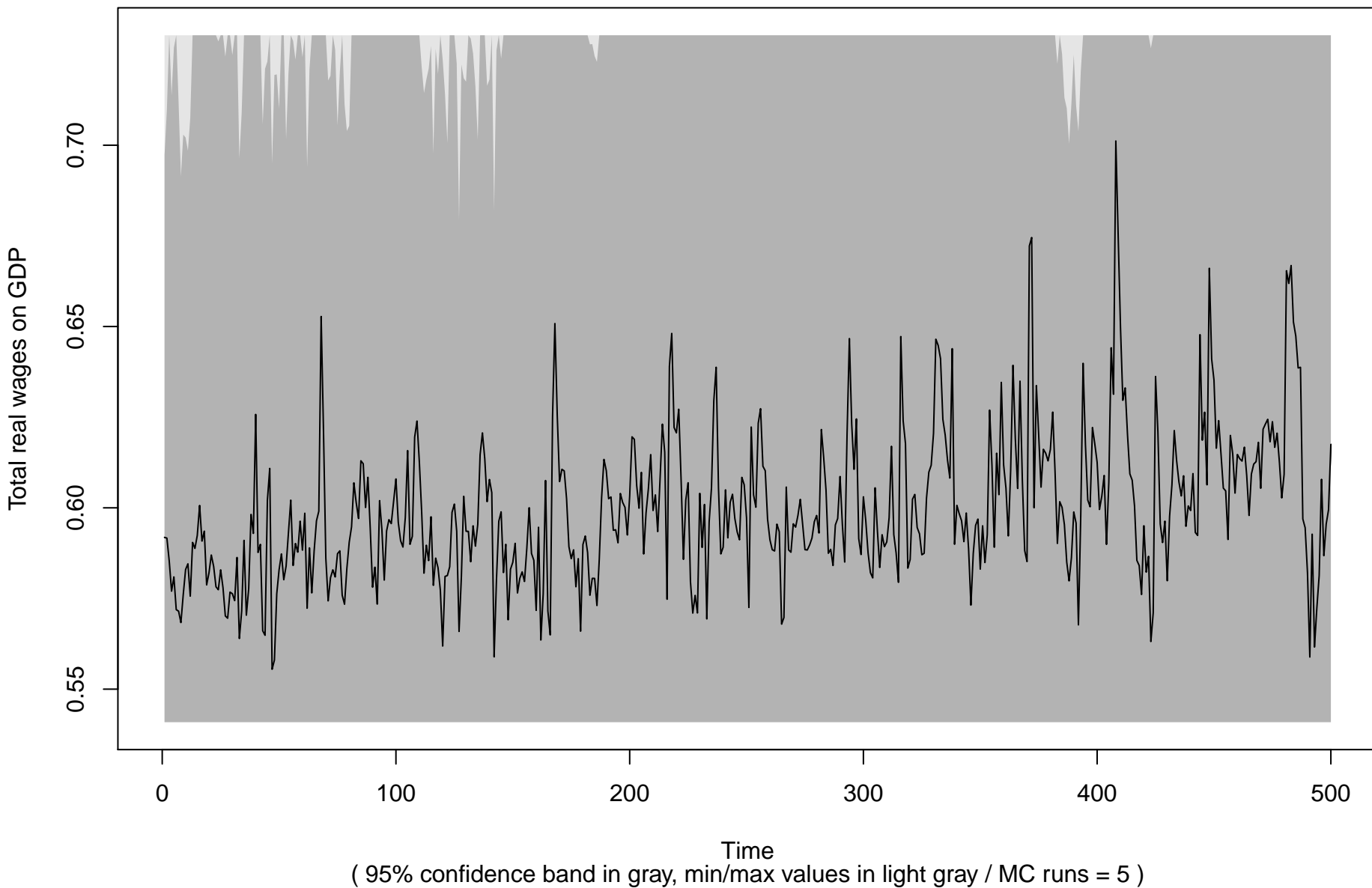
Real wages average (Free entry)



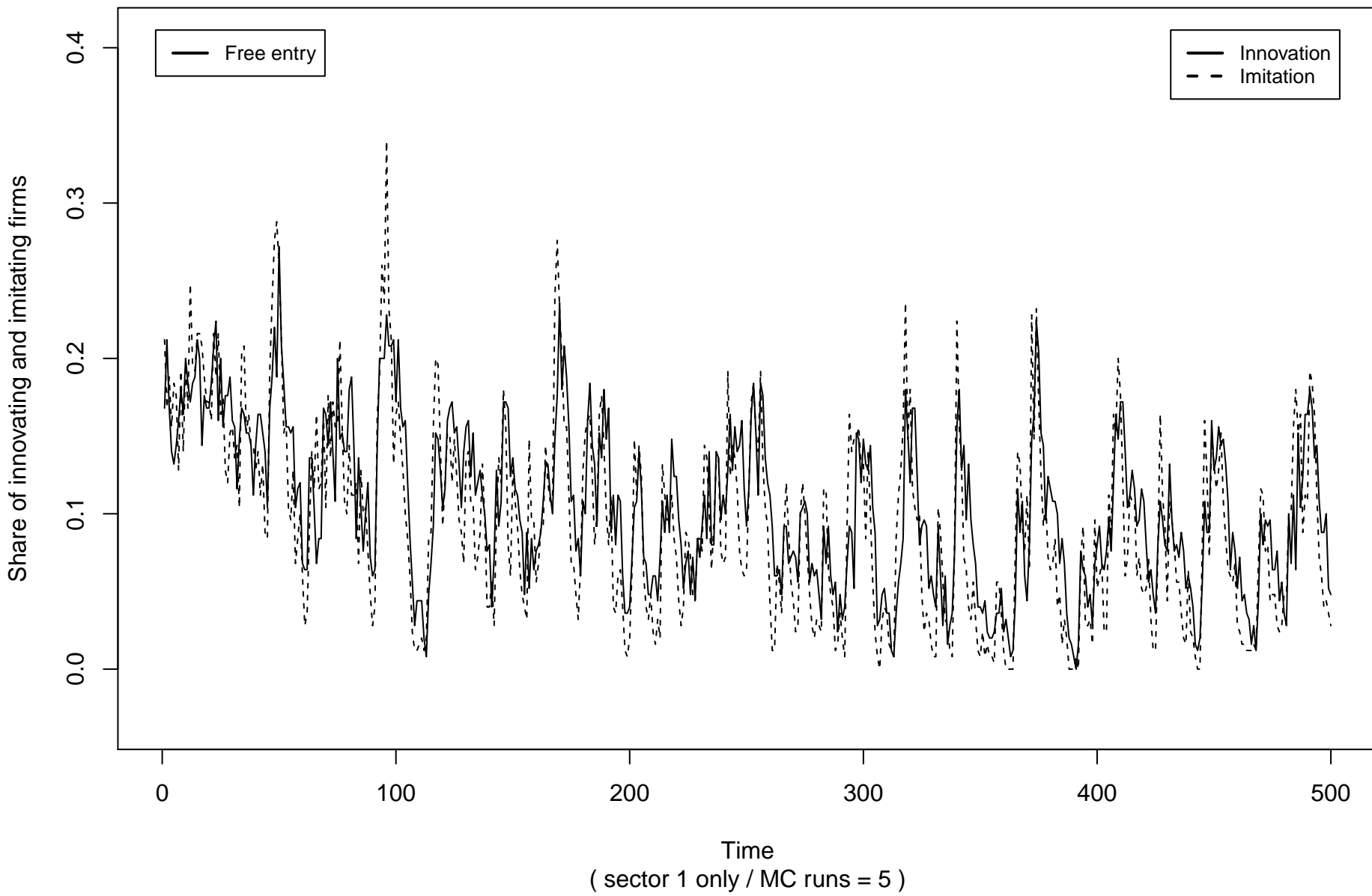
Wage share (all experiments)



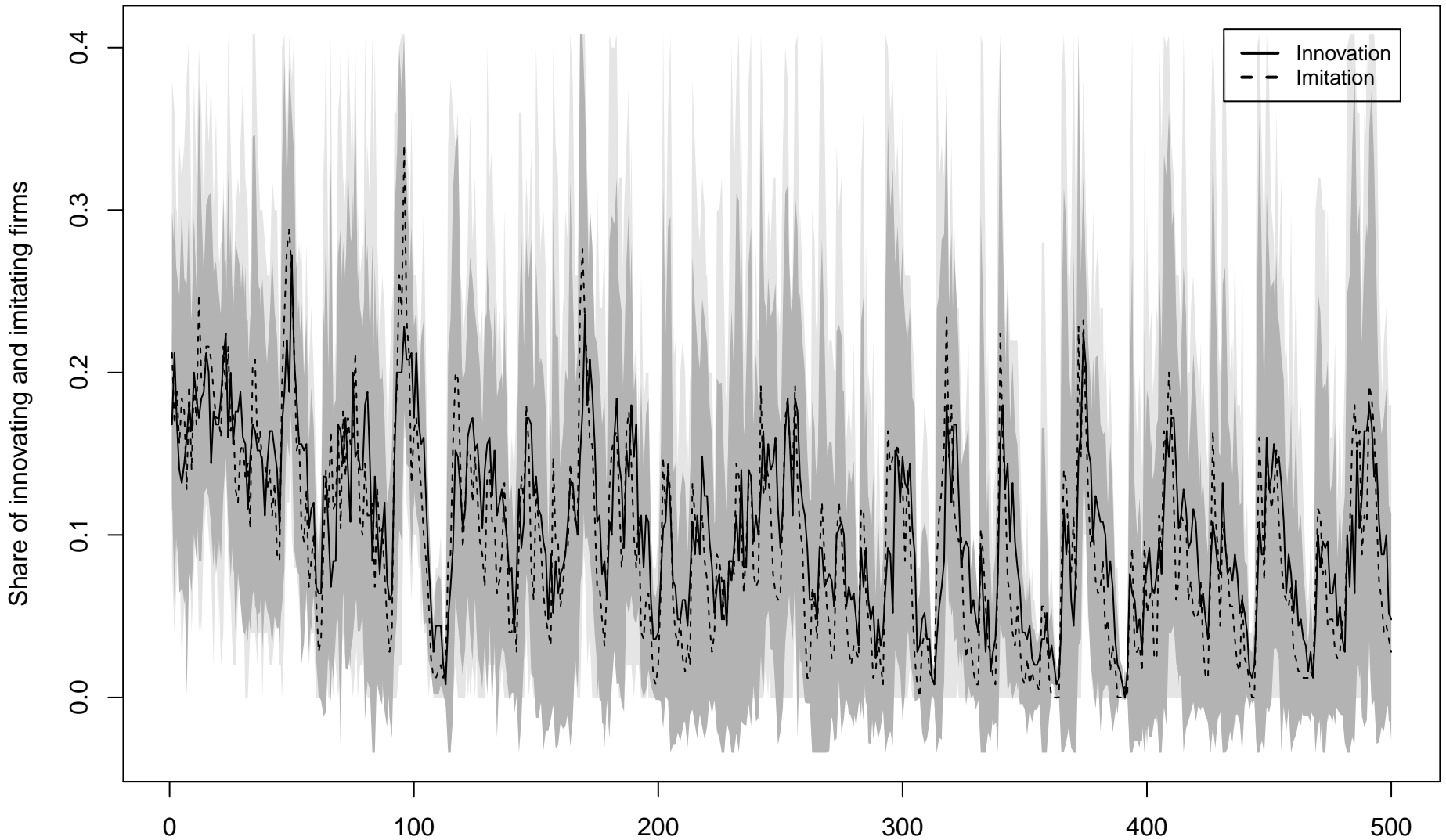
Wage share (Free entry)



Innovation and imitation (all experiments)

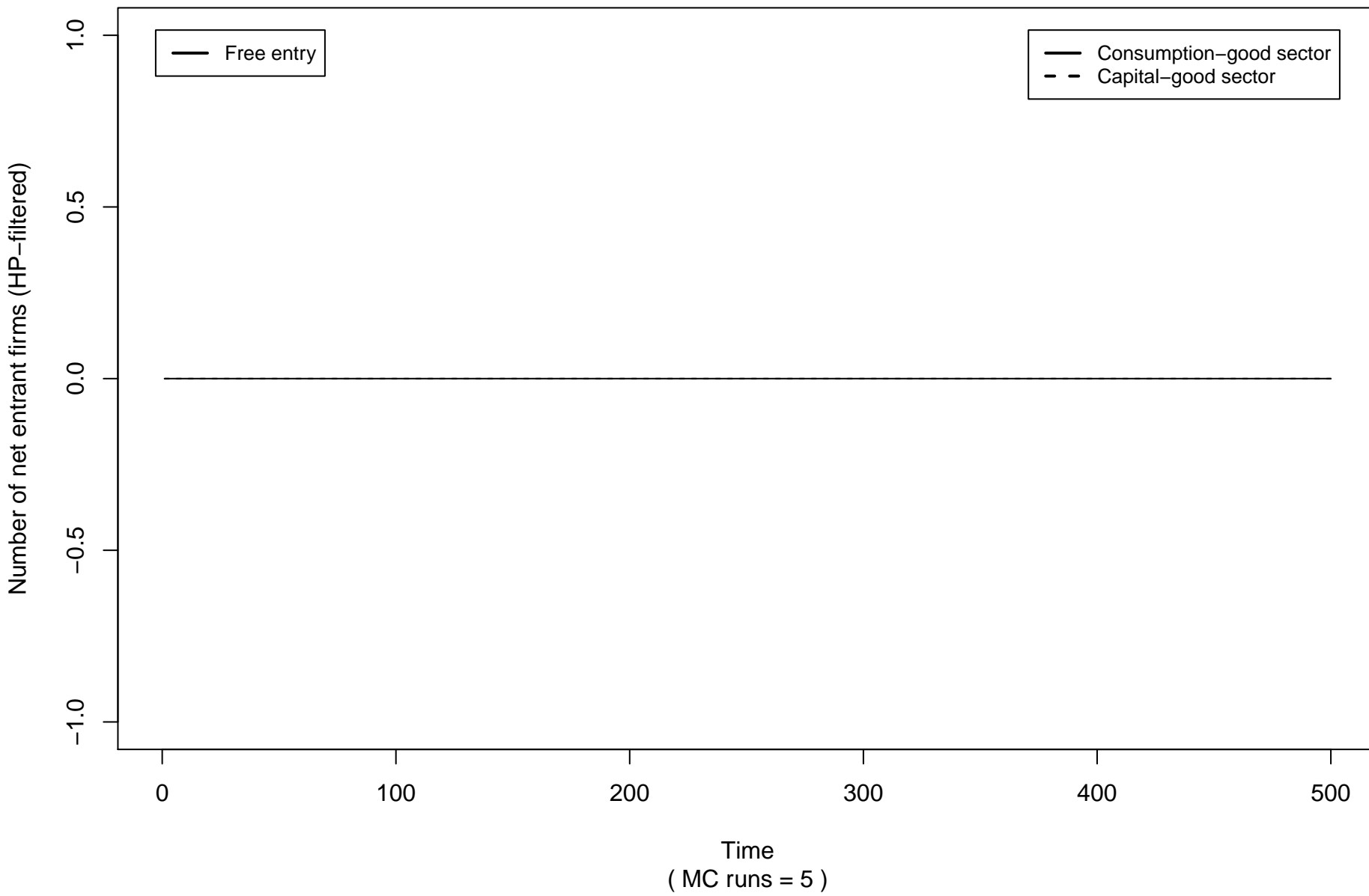


Innovation and imitation (Free entry)

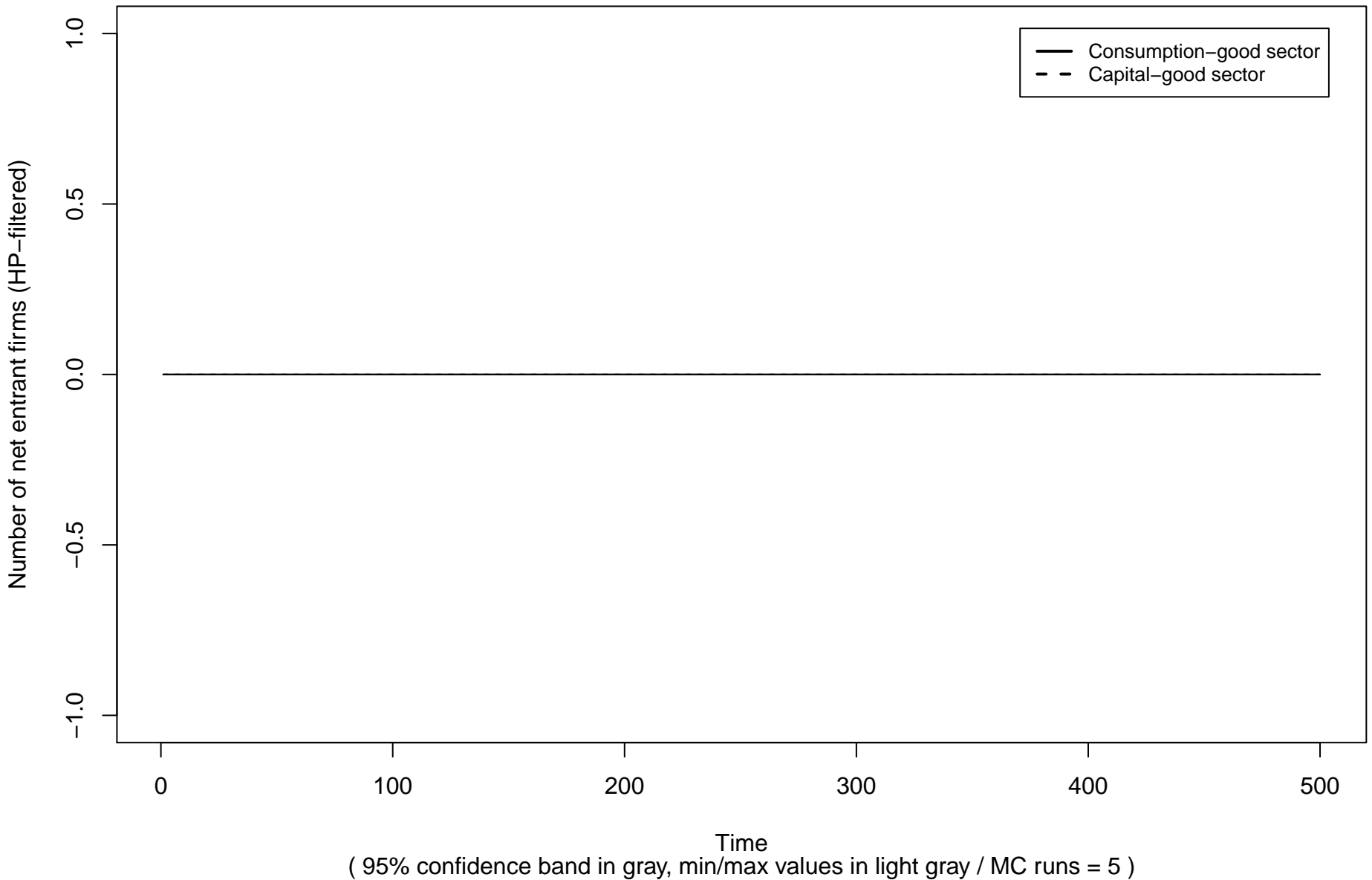


(95% confidence band in gray, min/max values in light gray / sector 1 only / MC runs = 5)

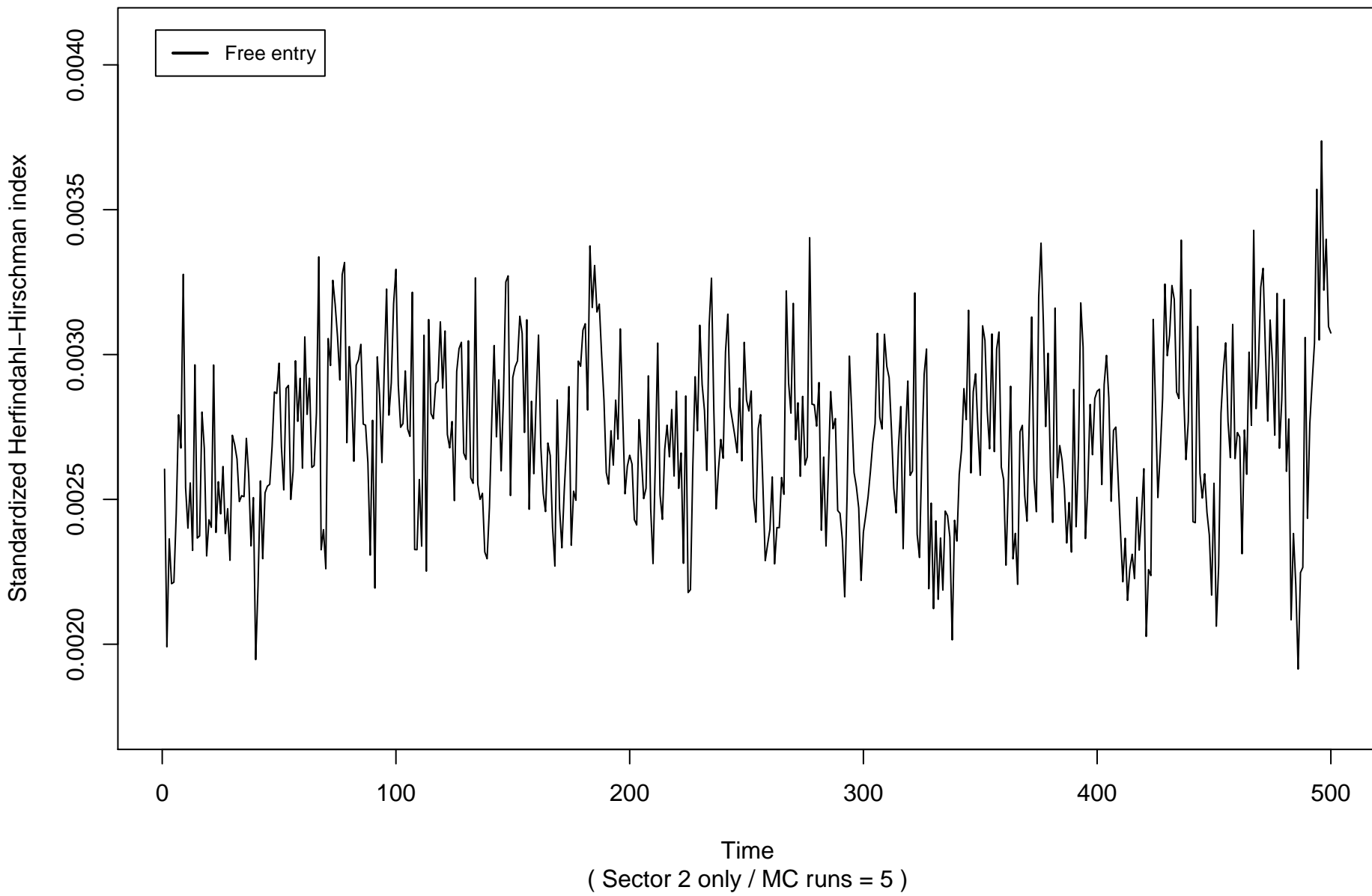
Net entry of firms trend (all experiments)



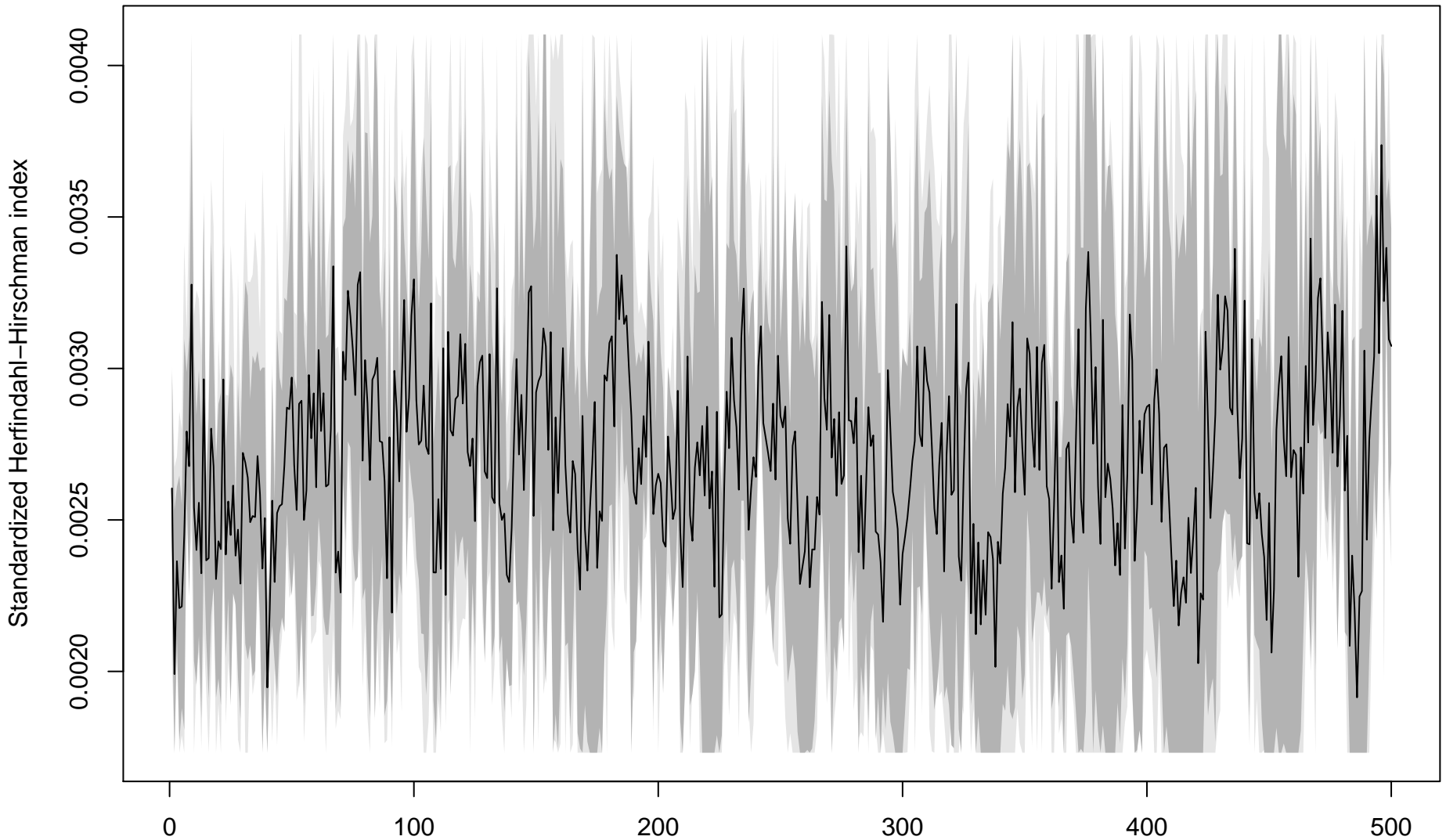
Net entry of firms trend (Free entry)



Market concentration (all experiments)

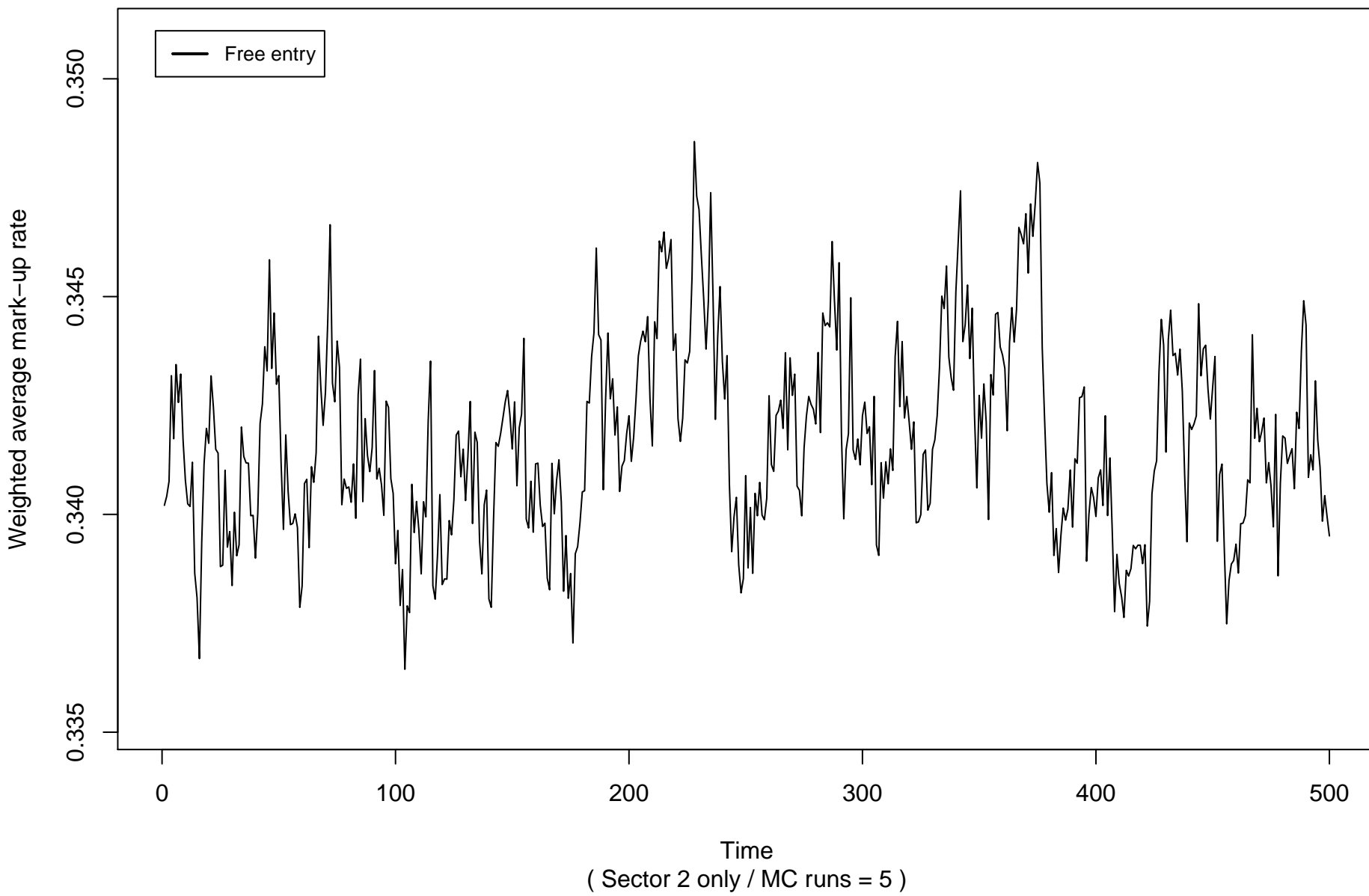


Market concentration (Free entry)

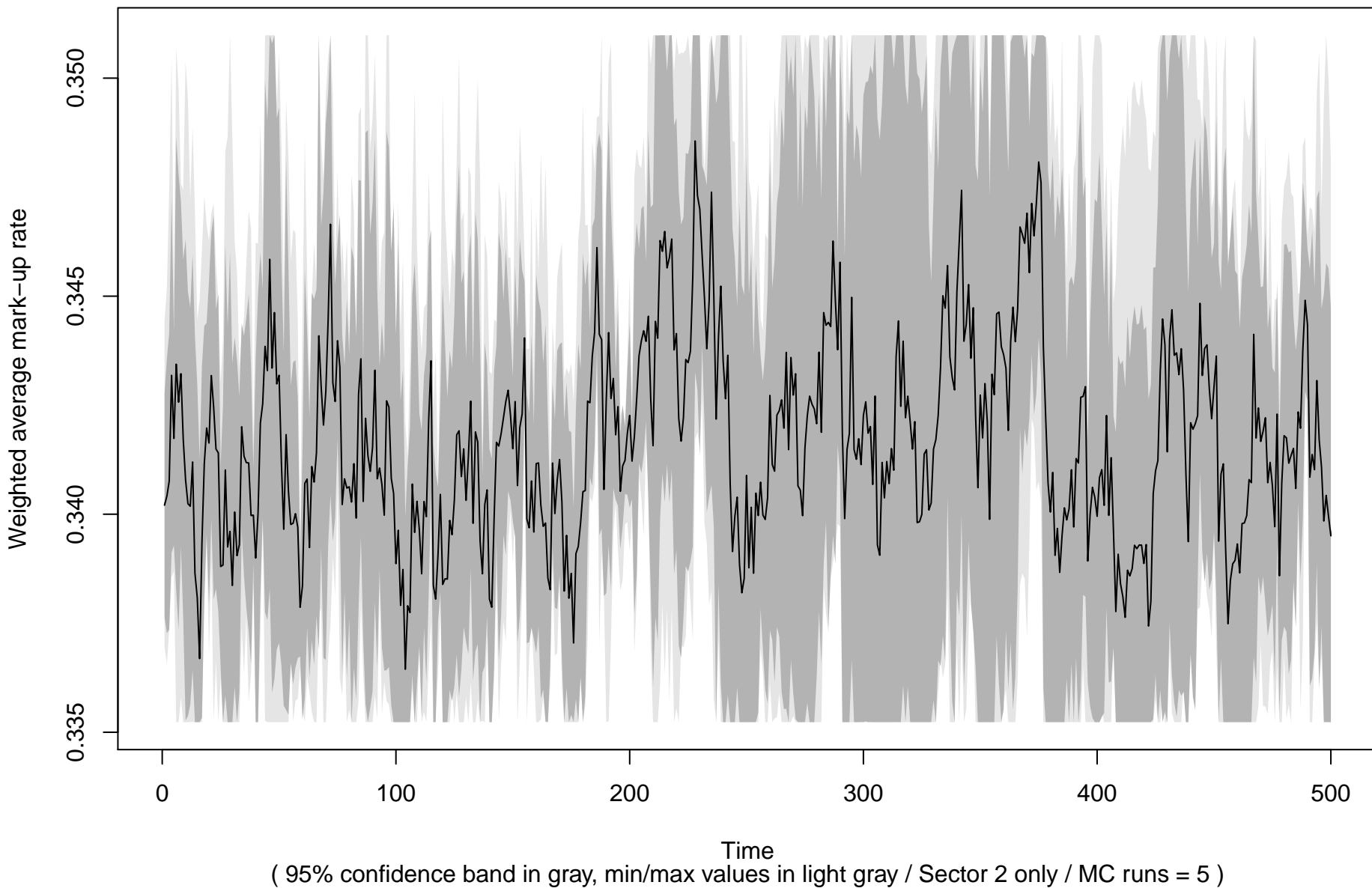


(95% confidence band in gray, min/max values in light gray / Sector 2 only / MC runs = 5)

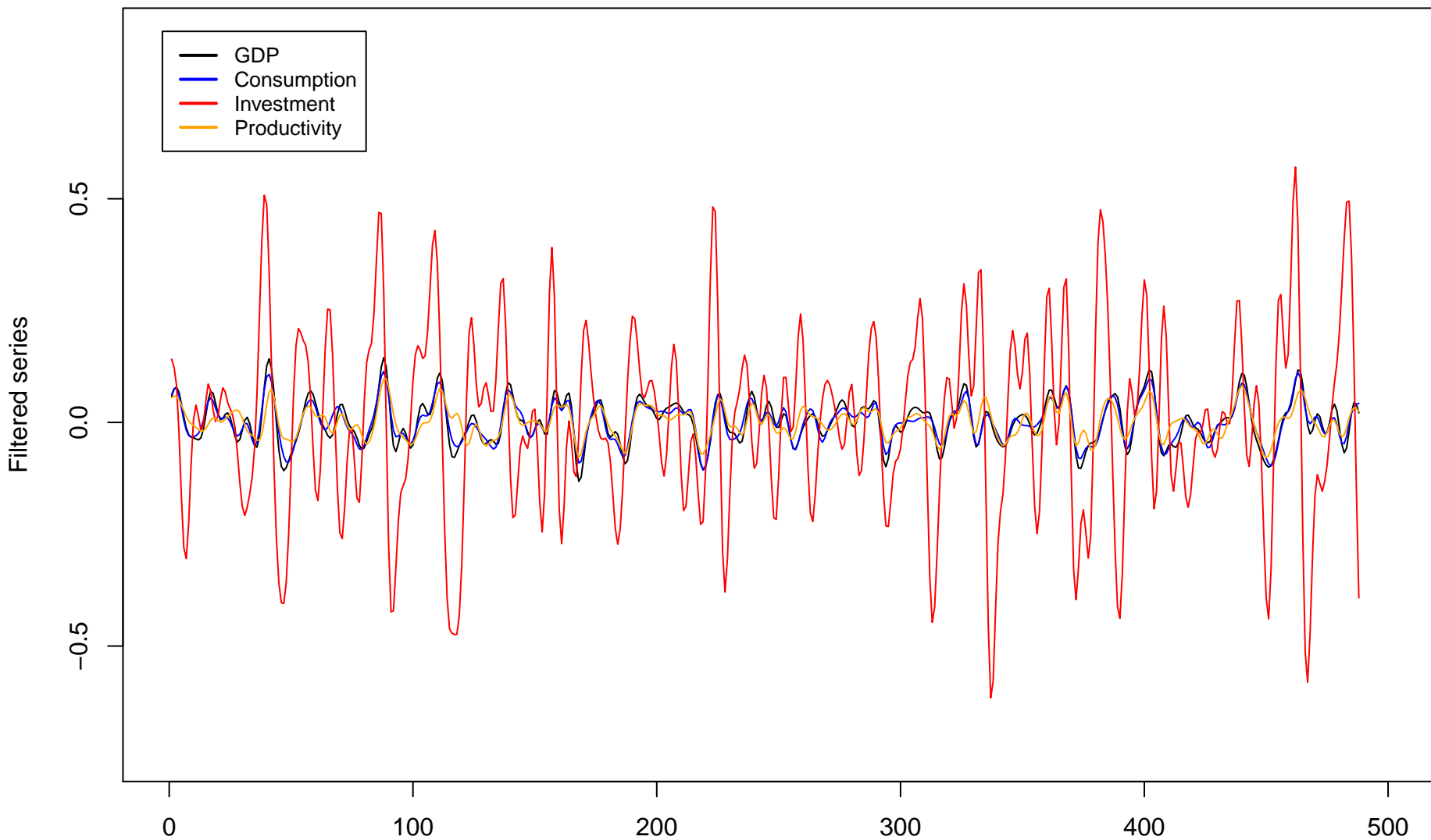
Mark-up average (all experiments)



Mark-up average (Free entry)

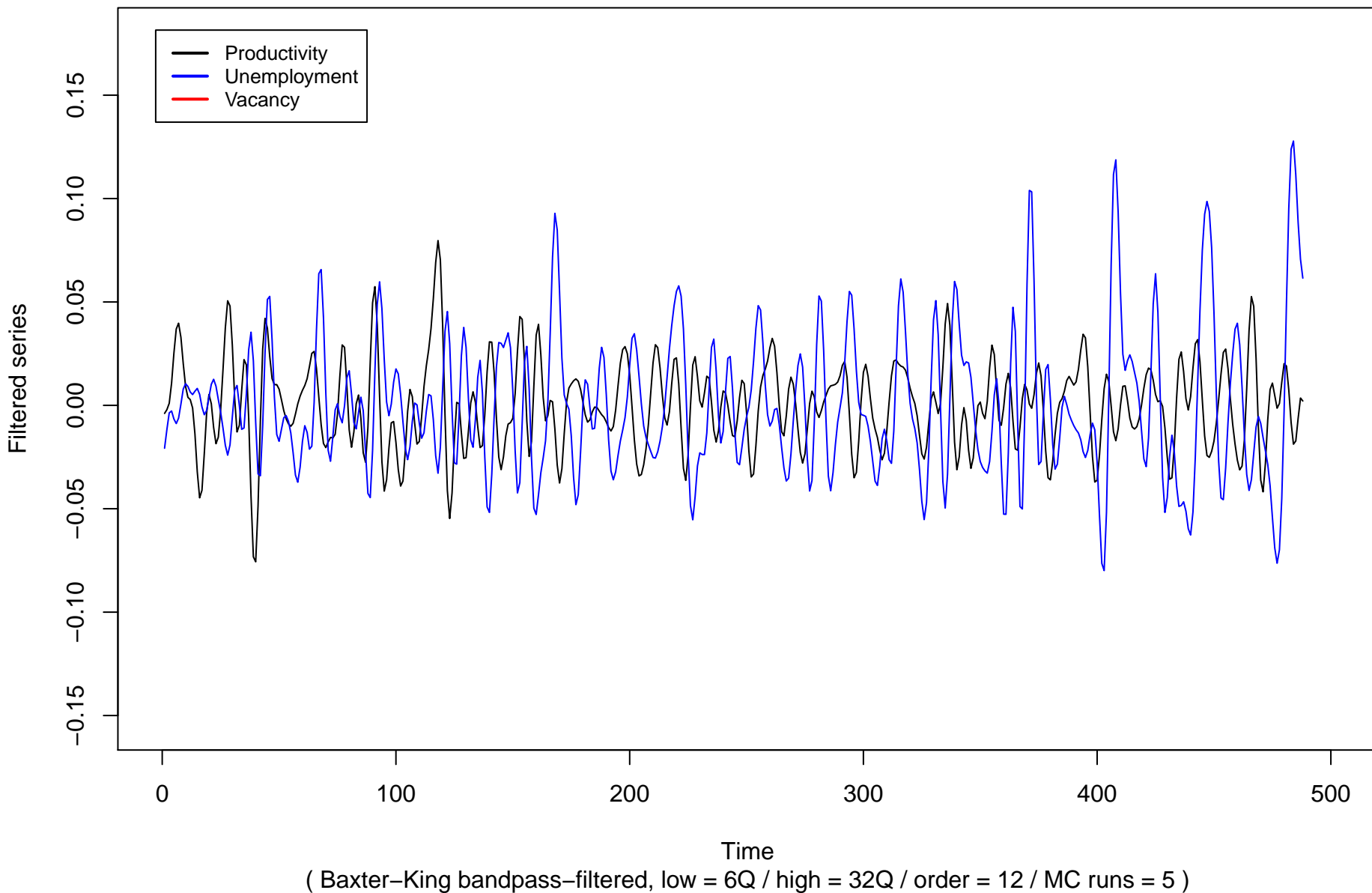


GDP cycles (Free entry)

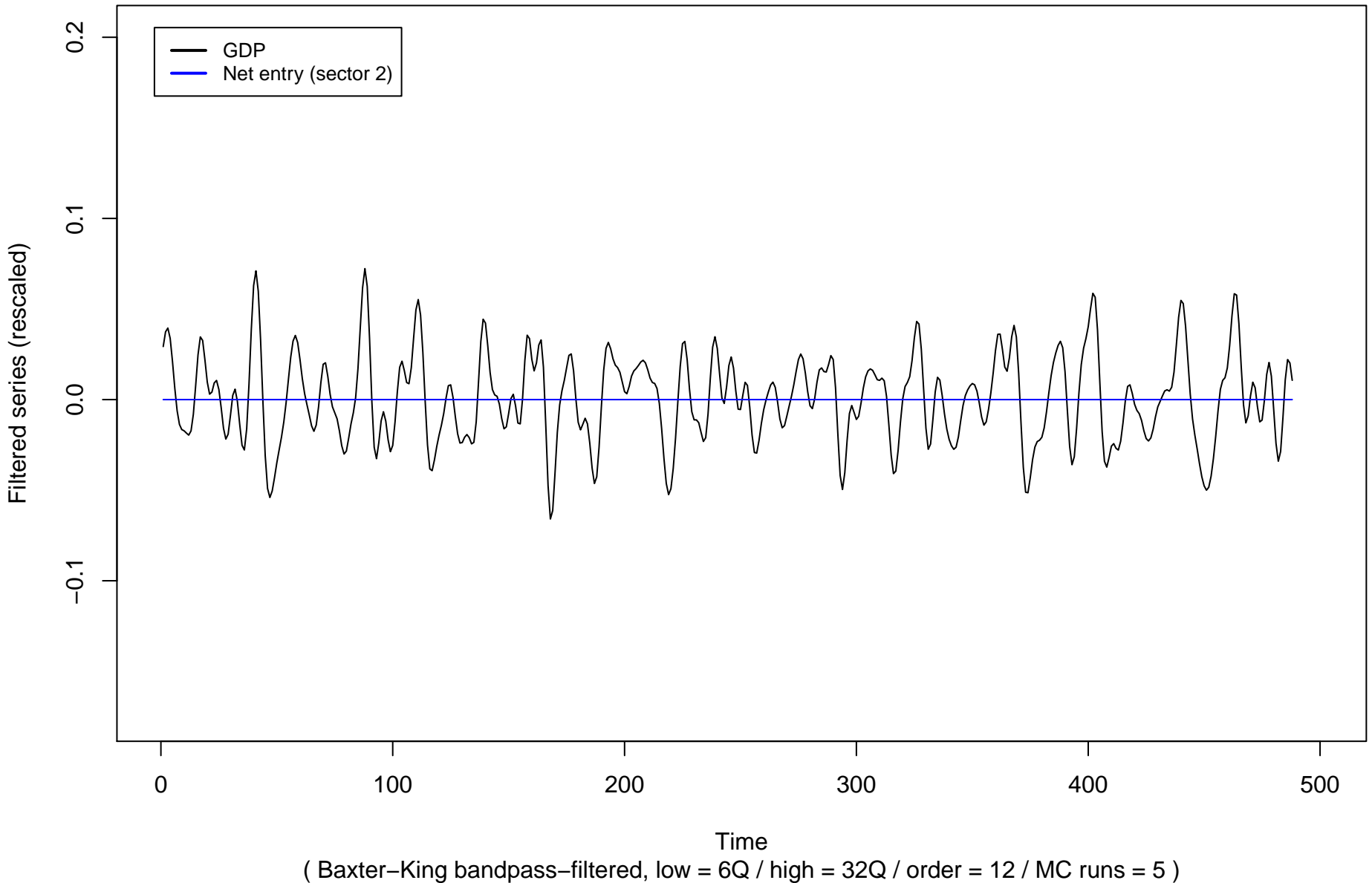


Time
(Baxter-King bandpass-filtered, low = 6Q / high = 32Q / order = 12 / MC runs = 5)

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	0.01354	0.01349	0.02504	0.01354	0.01349
(s.e.)	0.0007569	0.0007945	0.01305	0.0007993	0.0007587
ADF test (logs)	-3.002	-2.795	-6.926	-2.696	-3.048
(s.e.)	0.1402	0.2476	0.1101	0.2955	0.1371
(p-val.)	0.1693	0.2643	0.01	0.3117	0.1578
(s.e.)	0.05006	0.09092	0	0.1032	0.0373
ADF test (bpf)	-5.725	-5.711	-6.564	-5.884	-6.139
(s.e.)	0.2093	0.3257	0.1463	0.1999	0.1299
(p-val.)	0.01	0.01	0.01	0.01	0.01
(s.e.)	0	0	0	0	0
s.d. (bpf)	0.09687	0.07927	1.616	0.06896	0.06864
(s.e.)	0.006217	0.006778	0.1399	0.003002	0.00491
relative s.d. (GDP)	1	0.8183	16.68	0.7119	0.7086

(bpf: Baxter–King bandpass–filtered series, low = 6Q / high = 32Q / order = 12 / MC runs = 5 / period = 301 – 600)
(ADF test H0: there are unit roots / non–stationary at 5% level)

Correlation structure for GDP (Free entry)

	-4	-3	-2	-1	0	1	2	3	4
GDP (output)	-0.006553	0.2617	0.5987	0.8854	1	0.8854	0.5987	0.2617	-0.006553
(s.e.)	0.02372	0.02127	0.01308	0.003968	0	0.003968	0.01308	0.02127	0.02372
(p-val.)	0.9886	0.0005156	1.209e-06	1.768e-09	NA	1.768e-09	1.209e-06	0.0005156	0.9886
Consumption	0.1035	0.3411	0.622	0.8546	0.9455	0.8493	0.6054	0.3053	0.0436
(s.e.)	0.04645	0.03461	0.02179	0.01477	0.01221	0.009384	0.01389	0.01974	0.02108
(p-val.)	0.3094	0.0008264	7.757e-06	3.955e-07	1.186e-07	6.636e-08	1.459e-06	0.0001682	0.9204
Investment	-0.3129	-0.4423	-0.4787	-0.3519	-0.07512	0.2452	0.4737	0.5284	0.4235
(s.e.)	0.04179	0.02768	0.01805	0.03472	0.05441	0.06487	0.06292	0.0527	0.04554
(p-val.)	0.002539	9.844e-05	1.245e-05	0.0007174	0.1462	0.03179	0.001664	0.0005233	0.0008274
Net investment	-0.2747	-0.4029	-0.4465	-0.335	-0.07754	0.2262	0.4446	0.4955	0.3907
(s.e.)	0.03766	0.02571	0.01915	0.03649	0.05861	0.07277	0.07383	0.065	0.05625
(p-val.)	0.003327	0.0001156	2.197e-05	0.001103	0.157	0.053	0.003915	0.001537	0.002623
Change in inventories	-0.2863	-0.2088	0.00304	0.2554	0.4176	0.4071	0.2457	0.04258	-0.08739
(s.e.)	0.03509	0.02043	0.02304	0.02804	0.01624	0.02368	0.04776	0.05209	0.0321
(p-val.)	0.002091	0.001618	0.9941	0.001667	1.583e-05	7.957e-05	0.01279	0.2311	0.3613
Unemployment rate	0.2697	0.2994	0.2309	0.06252	-0.1465	-0.299	-0.3327	-0.2488	-0.109
(s.e.)	0.04285	0.03045	0.01615	0.02785	0.04725	0.05799	0.06731	0.07397	0.06857
(p-val.)	0.005724	0.0009839	0.0003658	0.66	0.1161	0.009748	0.00994	0.04234	0.07061
Productivity	0.09191	0.2907	0.5408	0.7578	0.8494	0.7695	0.5528	0.2853	0.05531
(s.e.)	0.08365	0.07415	0.04469	0.01402	0.02625	0.04939	0.07454	0.09168	0.0879
(p-val.)	0.01922	0.02341	0.0002496	5.479e-07	4.034e-06	7.633e-05	0.001582	0.03492	0.05549
Mark-up (sector 2)	0.207	0.1142	-0.00579	-0.1207	-0.1985	-0.225	-0.2099	-0.1789	-0.1538
(s.e.)	0.07839	0.05563	0.03515	0.03878	0.05762	0.07066	0.07408	0.06959	0.06166
(p-val.)	0.09022	0.2515	0.8298	0.1768	0.05445	0.05469	0.07725	0.06325	0.03194
Total firm debt	0.09736	0.007296	-0.08751	-0.1617	-0.1983	-0.1967	-0.1704	-0.1358	-0.1025
(s.e.)	0.06724	0.09109	0.1074	0.109	0.09243	0.06063	0.02874	0.03564	0.0601
(p-val.)	0.07039	0.03185	0.09622	0.1177	0.1101	0.06331	0.01736	0.09641	0.0594
Liquidity-to-sales ratio	0.1858	-0.05842	-0.3441	-0.5898	-0.7195	-0.6995	-0.56	-0.3667	-0.1847
(s.e.)	0.04621	0.03172	0.02912	0.03141	0.02323	0.01514	0.02889	0.04419	0.0551
(p-val.)	0.04199	0.6601	0.0004095	4.219e-05	5.174e-06	1.067e-06	3.842e-05	0.001454	0.06514
Bankruptcy rate	0.3596	0.3822	0.2804	0.0858	-0.1155	-0.2366	-0.2424	-0.173	-0.09933
(s.e.)	0.07528	0.1222	0.1558	0.1539	0.115	0.0577	0.02185	0.04254	0.05001
(p-val.)	0.0103	0.01528	0.01577	0.02656	0.03028	0.02668	0.0008755	0.04708	0.2962

(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)	-0.006553	0.2617	0.5987	0.8854	1	0.8854	0.5987	0.2617	-0.006553
(s.e.)	0.02372	0.02127	0.01308	0.003968	0	0.003968	0.01308	0.02127	0.02372
(p-val.)	0.9886	0.0005156	1.209e-06	1.768e-09	NA	1.768e-09	1.209e-06	0.0005156	0.9886
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(p-val.)	0.3094	0.0008264	7.757e-06	3.955e-07	1.186e-07	6.636e-08	1.459e-06	0.0001682	0.9204
Investment	-0.3129	-0.4423	-0.4787	-0.3519	-0.07512	0.2452	0.4737	0.5284	0.4235
(s.e.)	0.04179	0.02768	0.01805	0.03472	0.05441	0.06487	0.06292	0.0527	0.04554
(p-val.)	0.002539	9.844e-05	1.245e-05	0.0007174	0.1462	0.03179	0.001664	0.0005233	0.0008274
Productivity	0.09191	0.2907	0.5408	0.7578	0.8494	0.7695	0.5528	0.2853	0.05531
(s.e.)	0.08365	0.07415	0.04469	0.01402	0.02625	0.04939	0.07454	0.09168	0.0879
(p-val.)	0.01922	0.02341	0.0002496	5.479e-07	4.034e-06	7.633e-05	0.001582	0.03492	0.05549
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	-0.1389	0.05722	0.3039	0.5251	0.6405	0.6057	0.4522	0.2537	0.08676
(s.e.)	0.03623	0.04062	0.04753	0.04885	0.04325	0.03524	0.0268	0.02081	0.02524
(p-val.)	0.08977	0.4821	0.00462	0.0004024	0.0001023	5.883e-05	7.795e-05	0.0005638	0.4012
Wage	0.4182	0.5948	0.7263	0.7632	0.6863	0.5193	0.3175	0.1343	-0.001839
(s.e.)	0.05741	0.03683	0.008156	0.02843	0.05662	0.07179	0.07107	0.05729	0.03705
(p-val.)	0.002077	7.598e-05	7.602e-08	8.89e-06	0.0002155	0.001806	0.0144	0.1986	0.7693
Unemployment rate	0.2697	0.2994	0.2309	0.06252	-0.1465	-0.299	-0.3327	-0.2488	-0.109
(s.e.)	0.04285	0.03045	0.01615	0.02785	0.04725	0.05799	0.06731	0.07397	0.06857
(p-val.)	0.005724	0.0009839	0.0003658	0.66	0.1161	0.009748	0.00994	0.04234	0.07061
Vacancy rate	0.1983	-0.02271	-0.2965	-0.5166	-0.5941	-0.5104	-0.3298	-0.1509	-0.04588
(s.e.)	0.07022	0.06417	0.05668	0.06768	0.08793	0.09213	0.07412	0.04587	0.04048
(p-val.)	0.03134	0.1757	0.009396	0.001486	0.002134	0.004754	0.01403	0.09851	0.5119

(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)

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

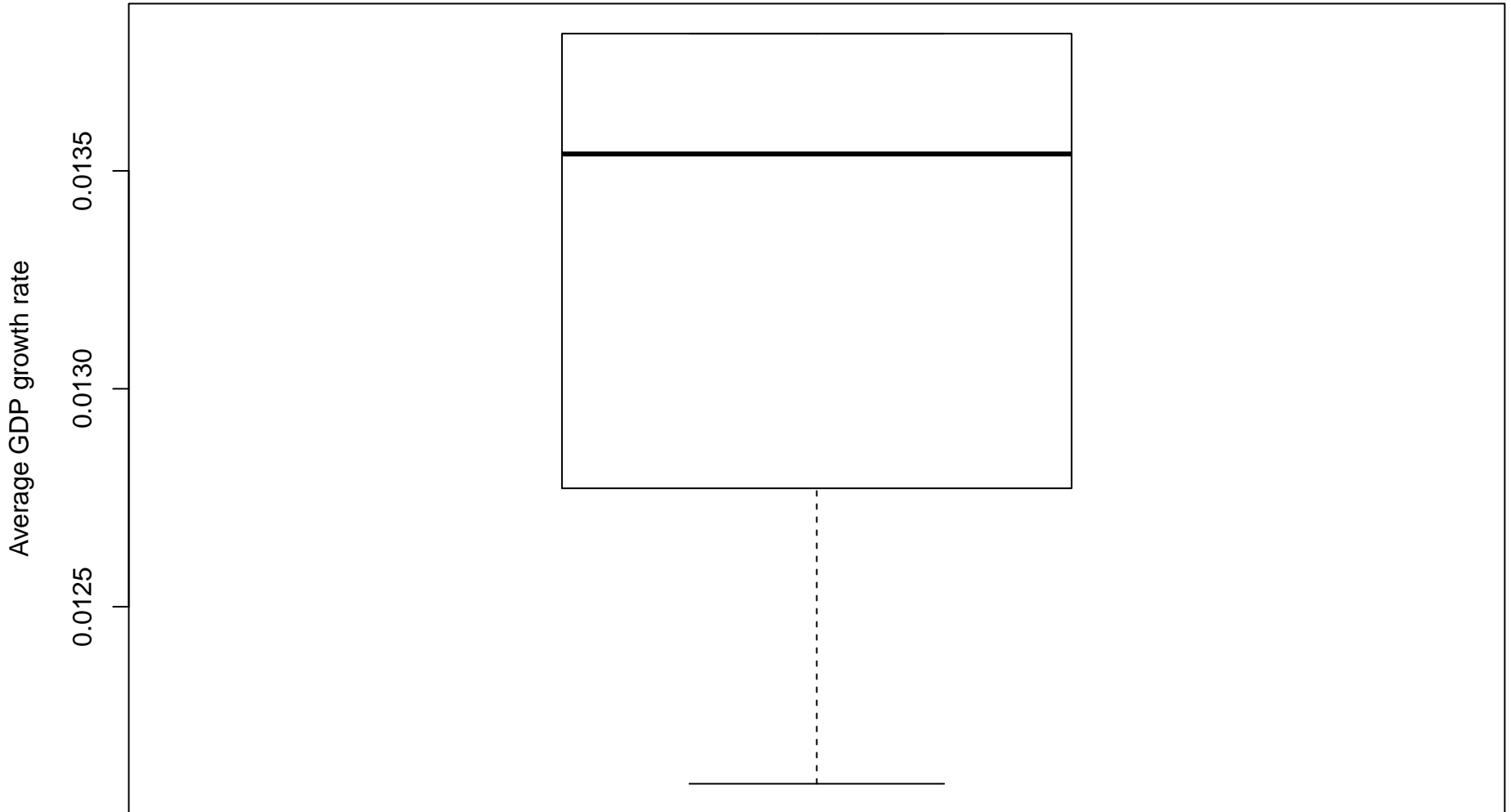
	avg.ADF	rej.ADF	avg.PP	rej.PP	avg.KPSS	rej.KPSS	avg.BDS	rej.BDS	avg.KS	rej.KS	AD	V
dGDP	0.01	1.00	0.01	1.00	0.10	0.00	0.16	0.40	0.32	0.20	0.00	C
dA	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.14	0.30	0.00	C
dw	0.01	1.00	0.01	1.00	0.10	0.00	0.01	1.00	0.12	0.30	0.00	C
V	0.01	1.00	0.01	1.00	0.10	0.00	0.05	0.80	0.09	0.90	0.00	C
U	0.01	1.00	0.01	1.00	0.05	0.60	0.00	1.00	0.12	0.80	0.00	C
mu2avg	0.05	0.80	0.01	1.00	0.04	0.60	0.00	1.00	0.05	0.90	0.00	C
HH1	0.01	1.00	0.01	1.00	0.10	0.00	0.00	1.00	0.12	0.80	0.00	C
HH2	0.02	0.80	0.01	1.00	0.06	0.40	0.01	1.00	0.14	0.70	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)

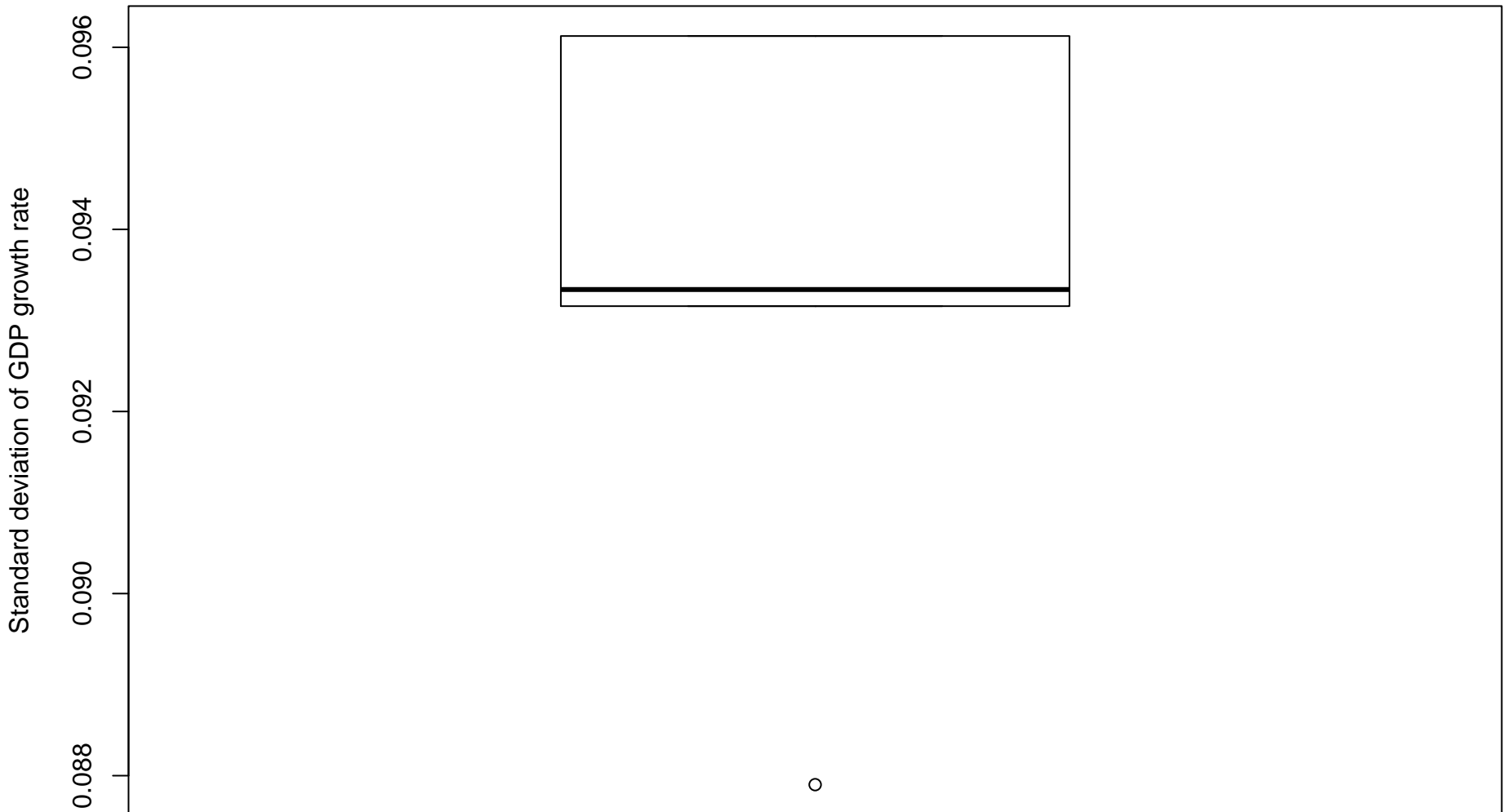
(significance = 0.05)

GDP growth



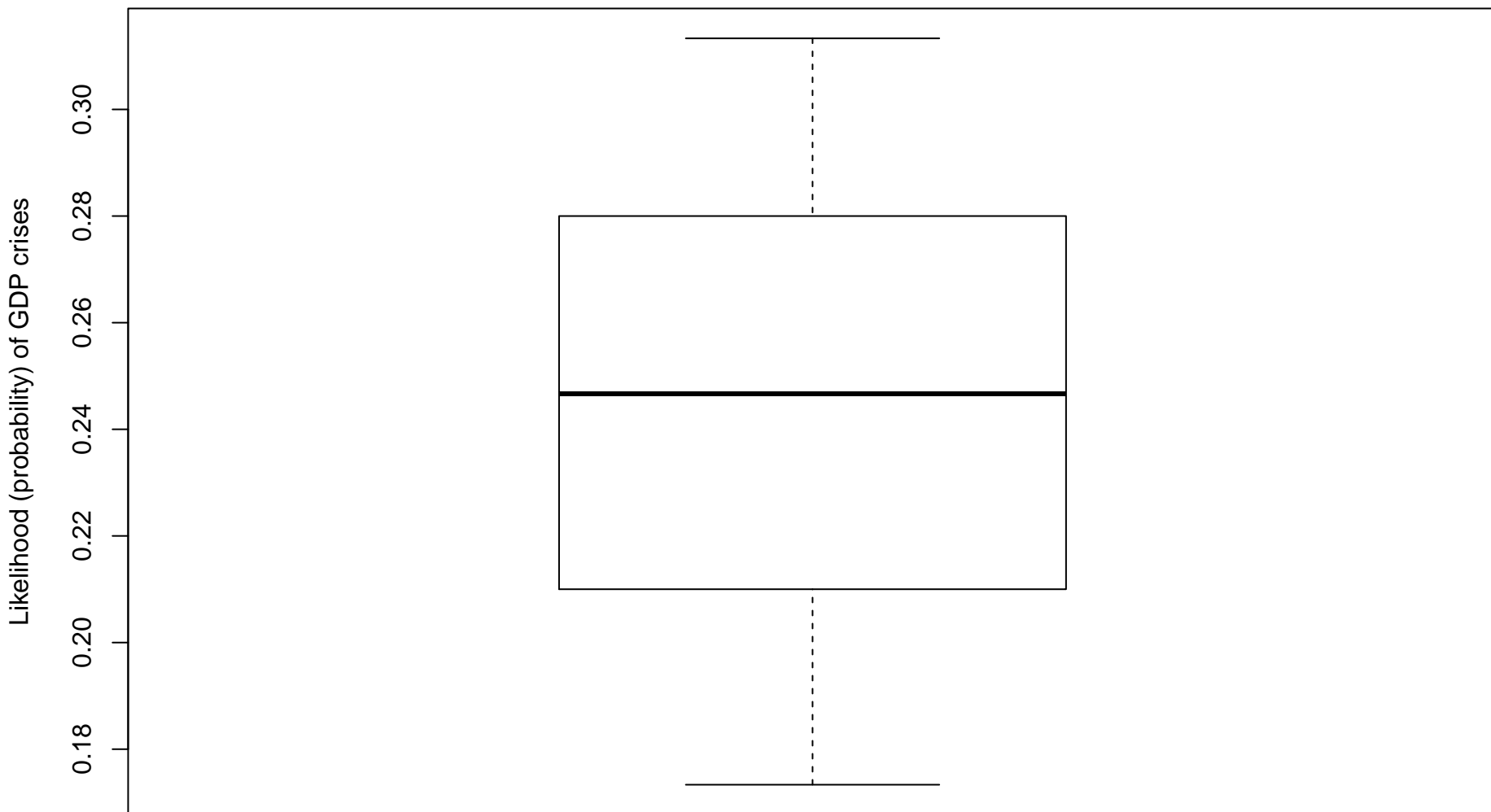
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Volatility of GDP growth



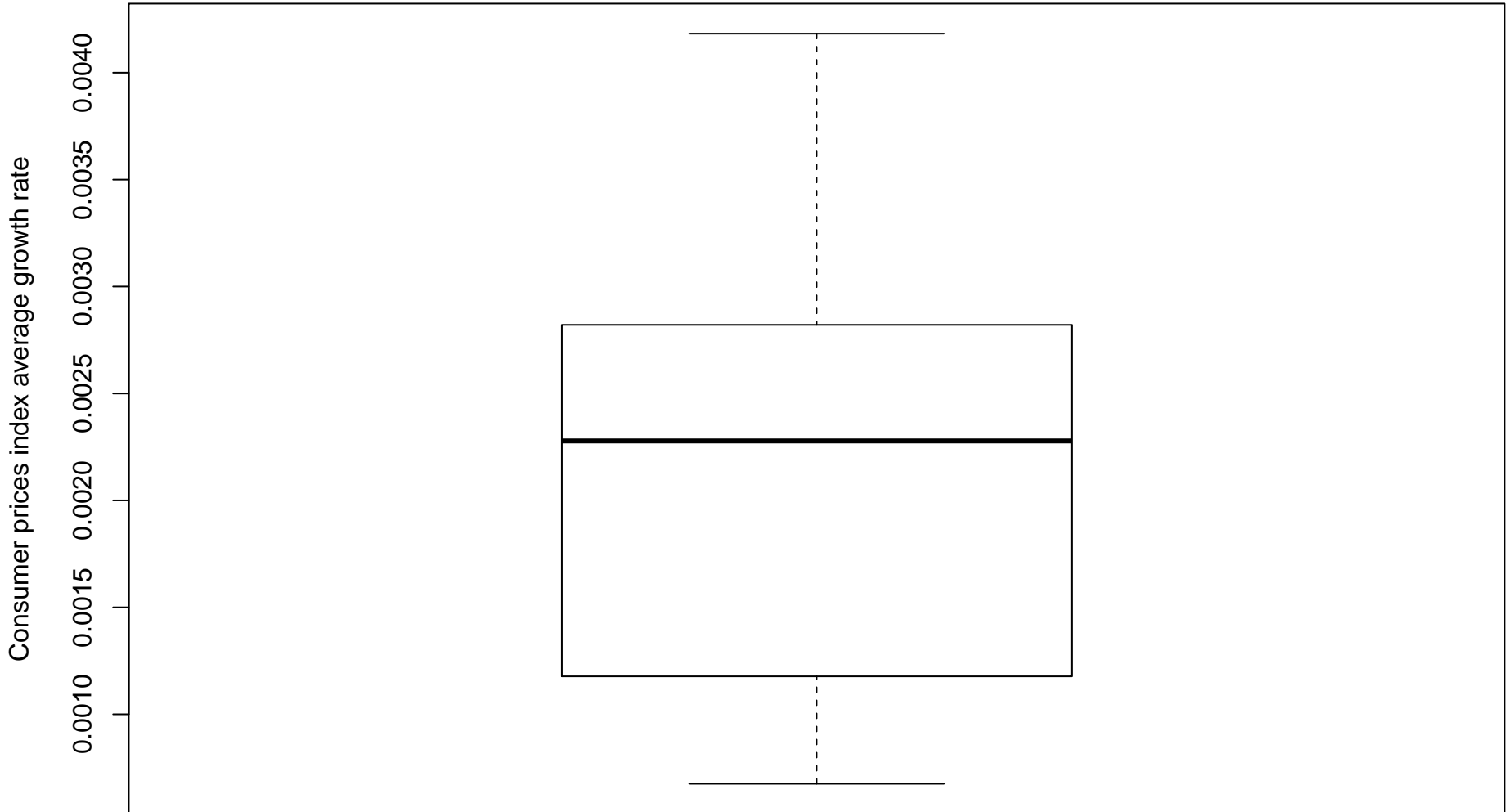
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Likelihood of GDP crises

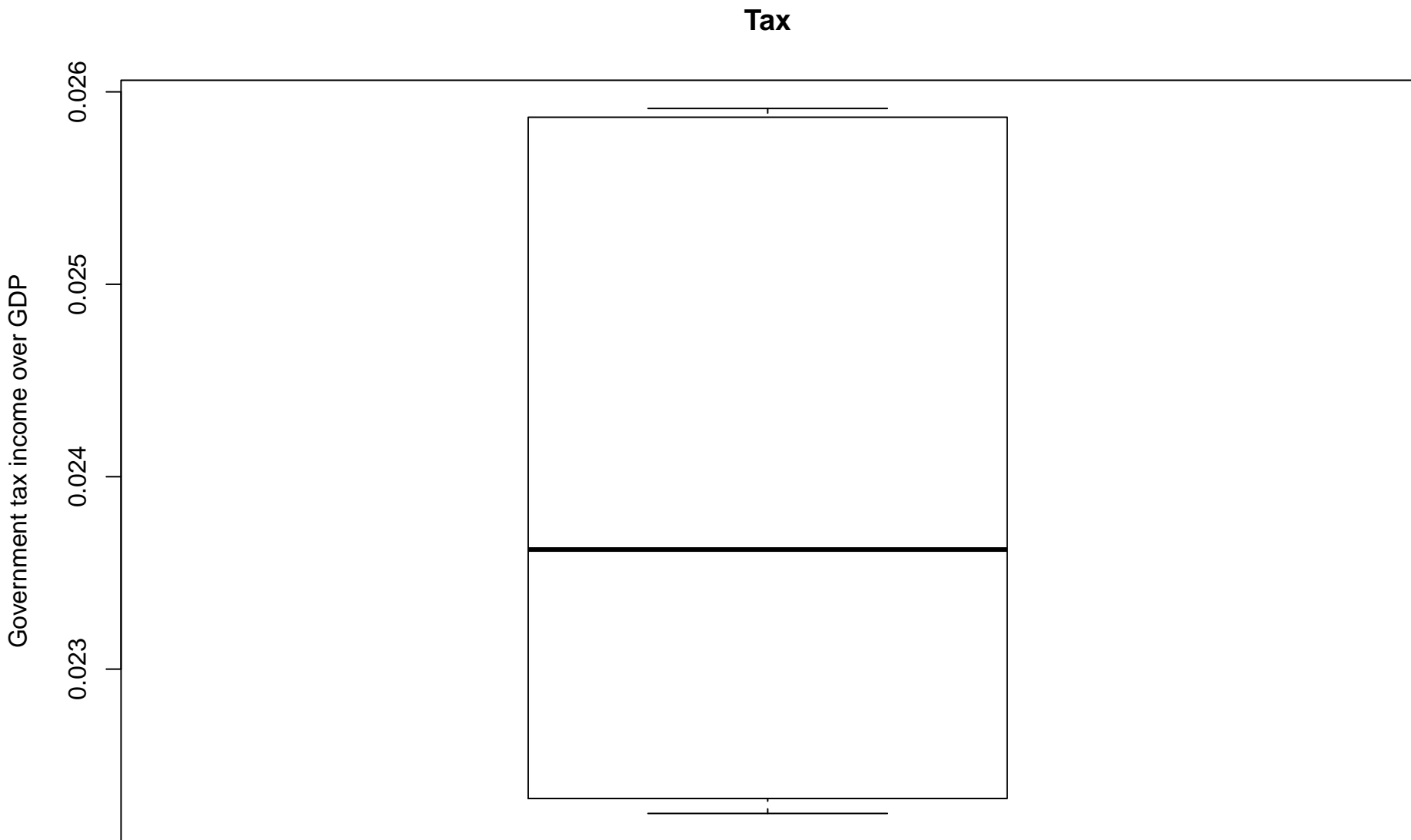


(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Inflation

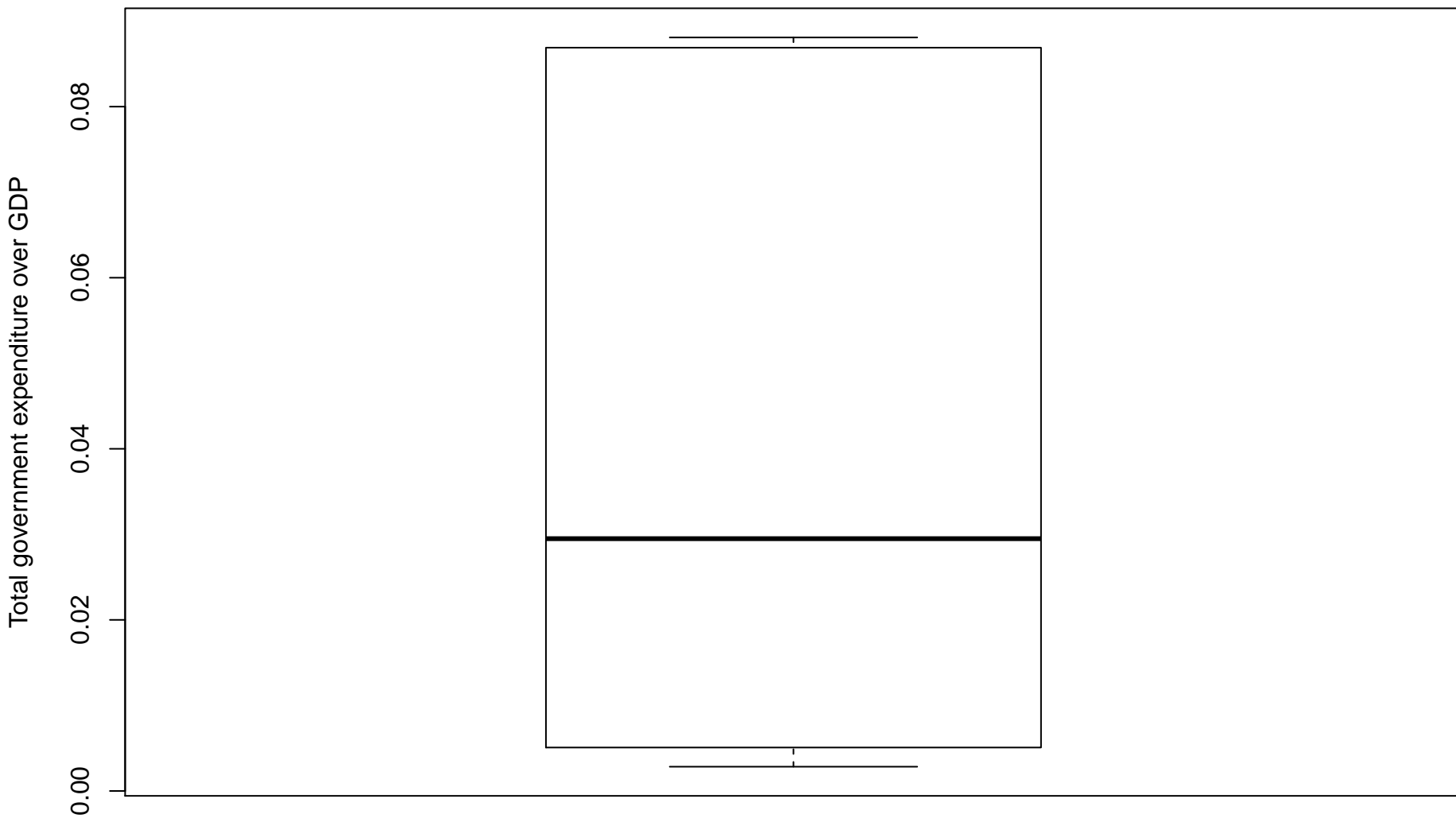


(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)



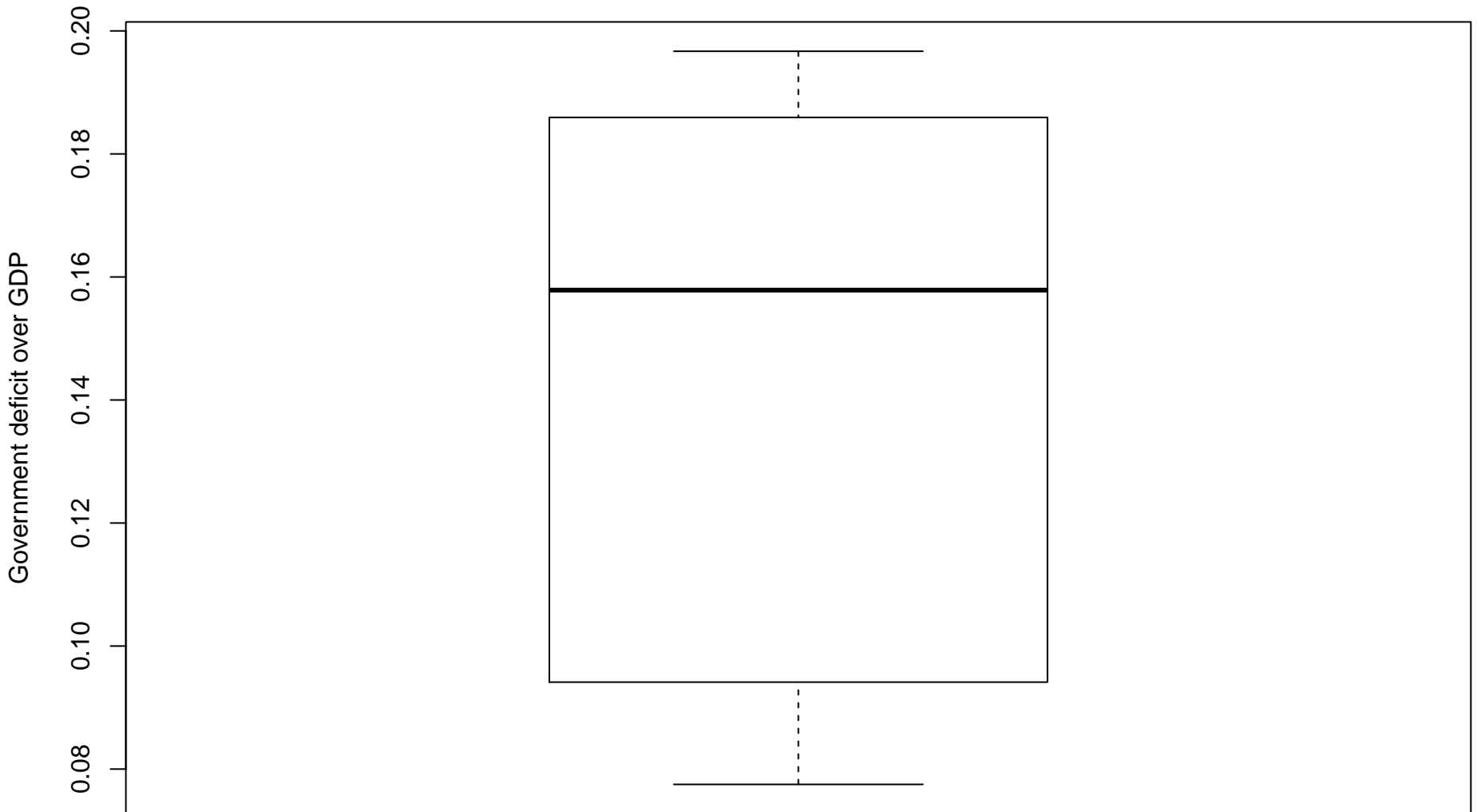
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Government total expenditure



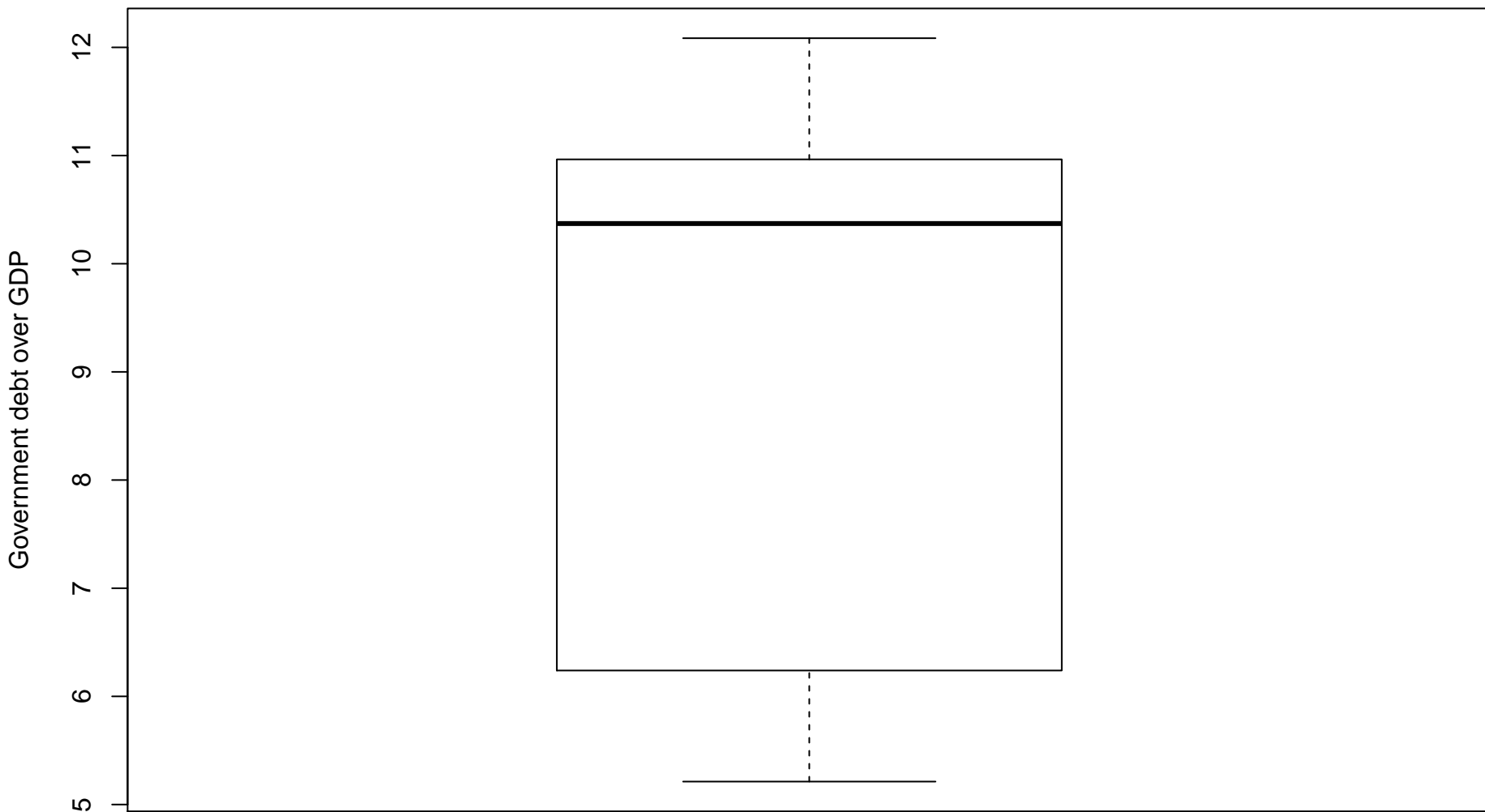
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Government deficit



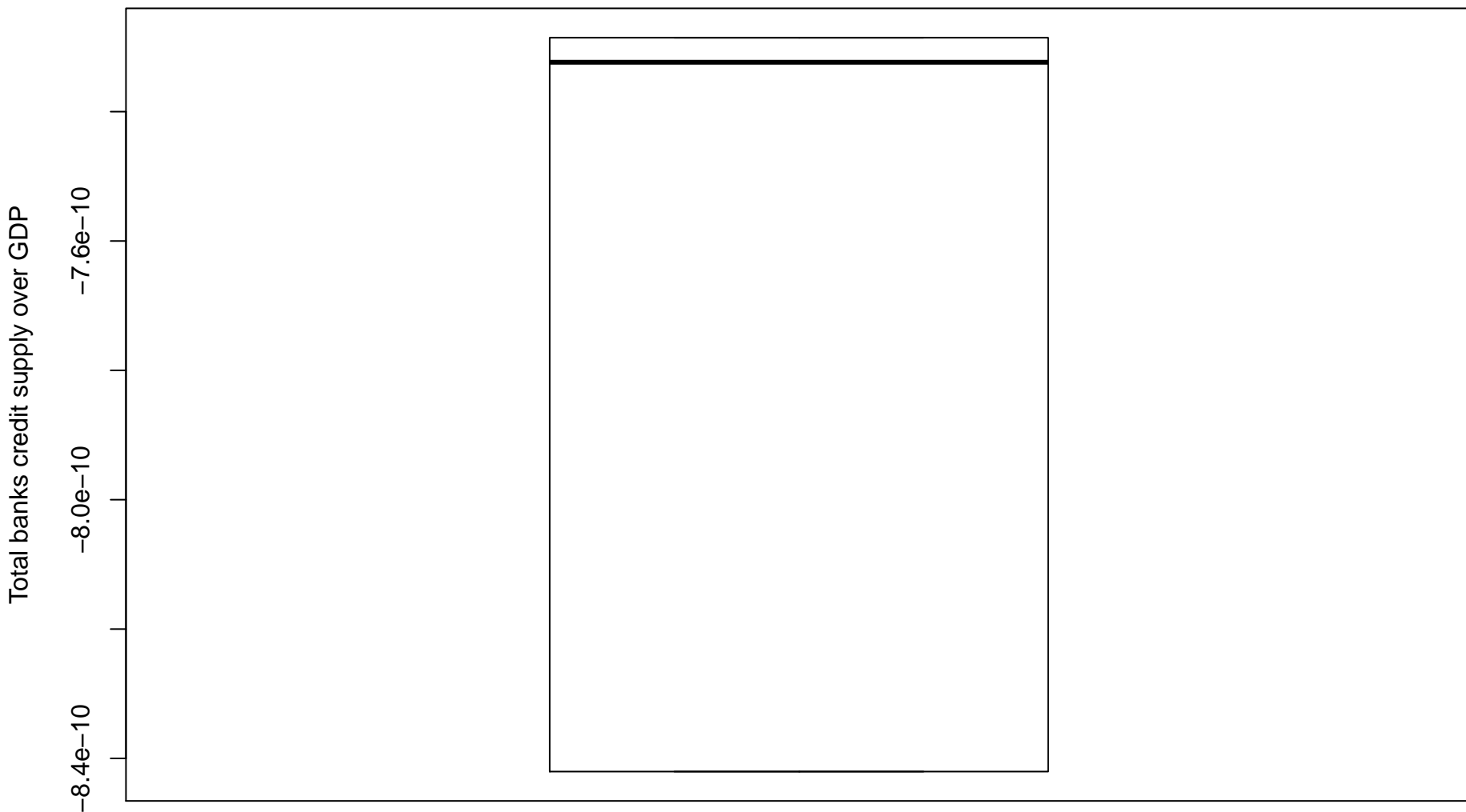
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Government debt



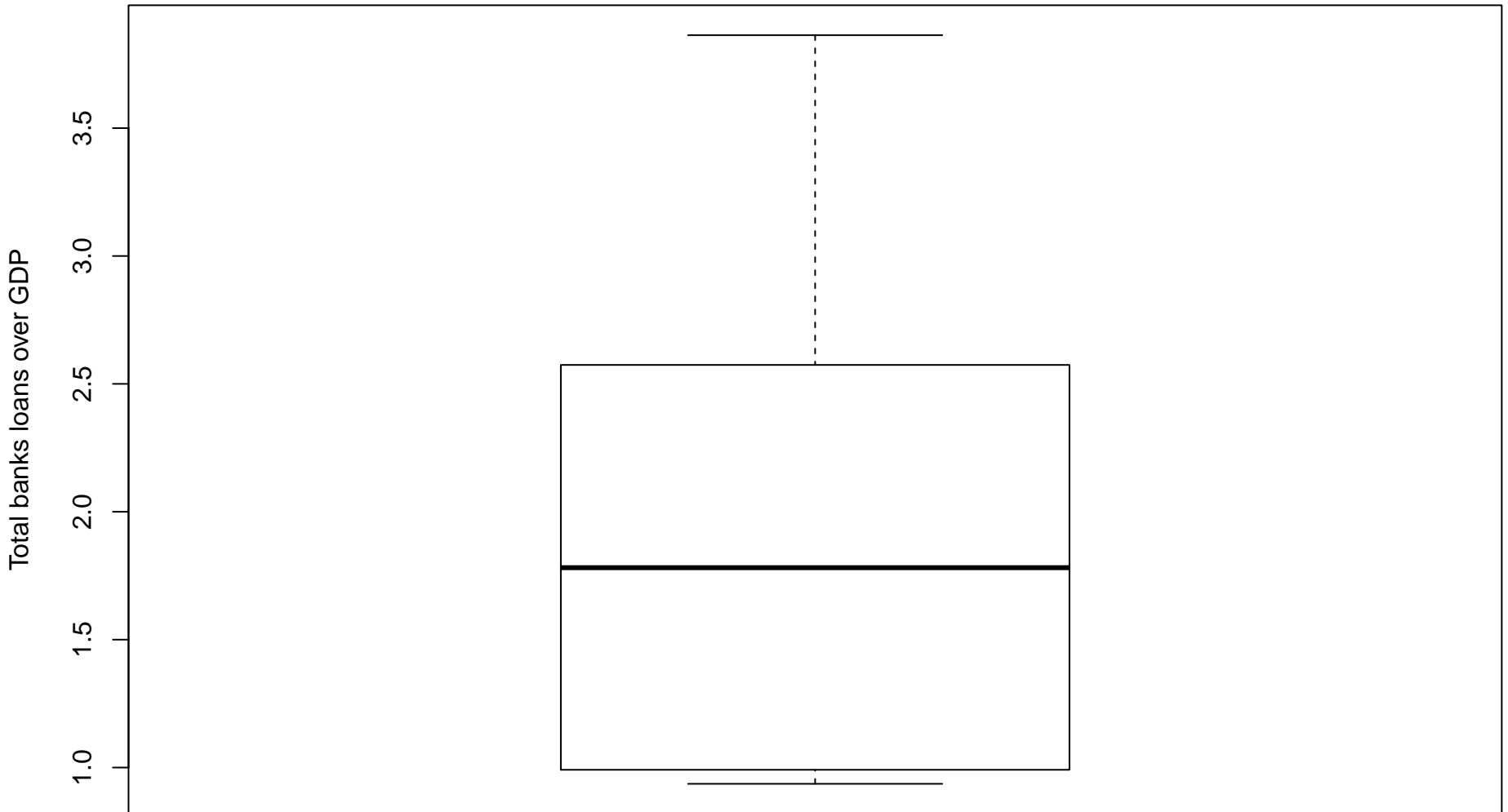
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Credit supply



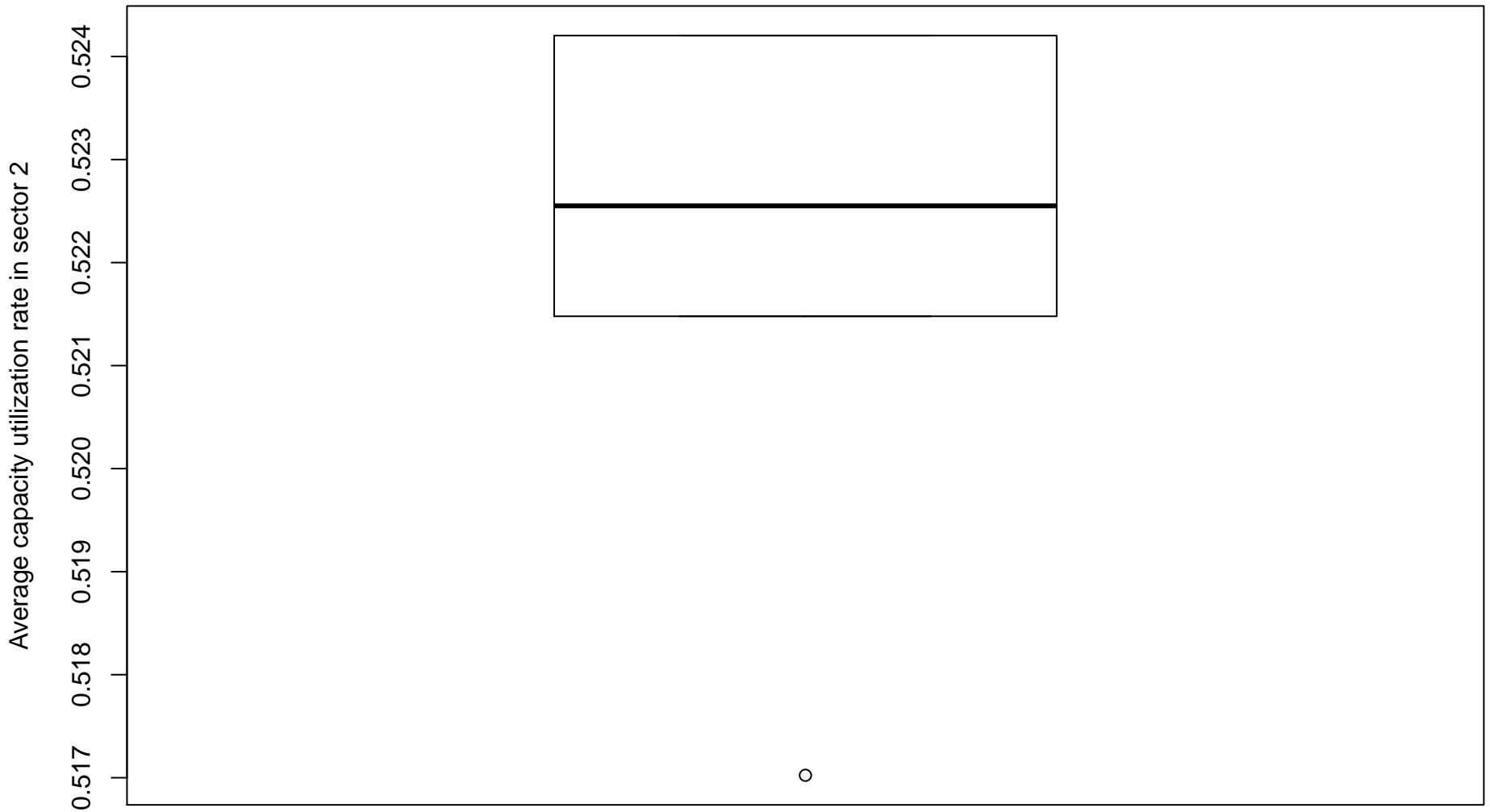
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Loans



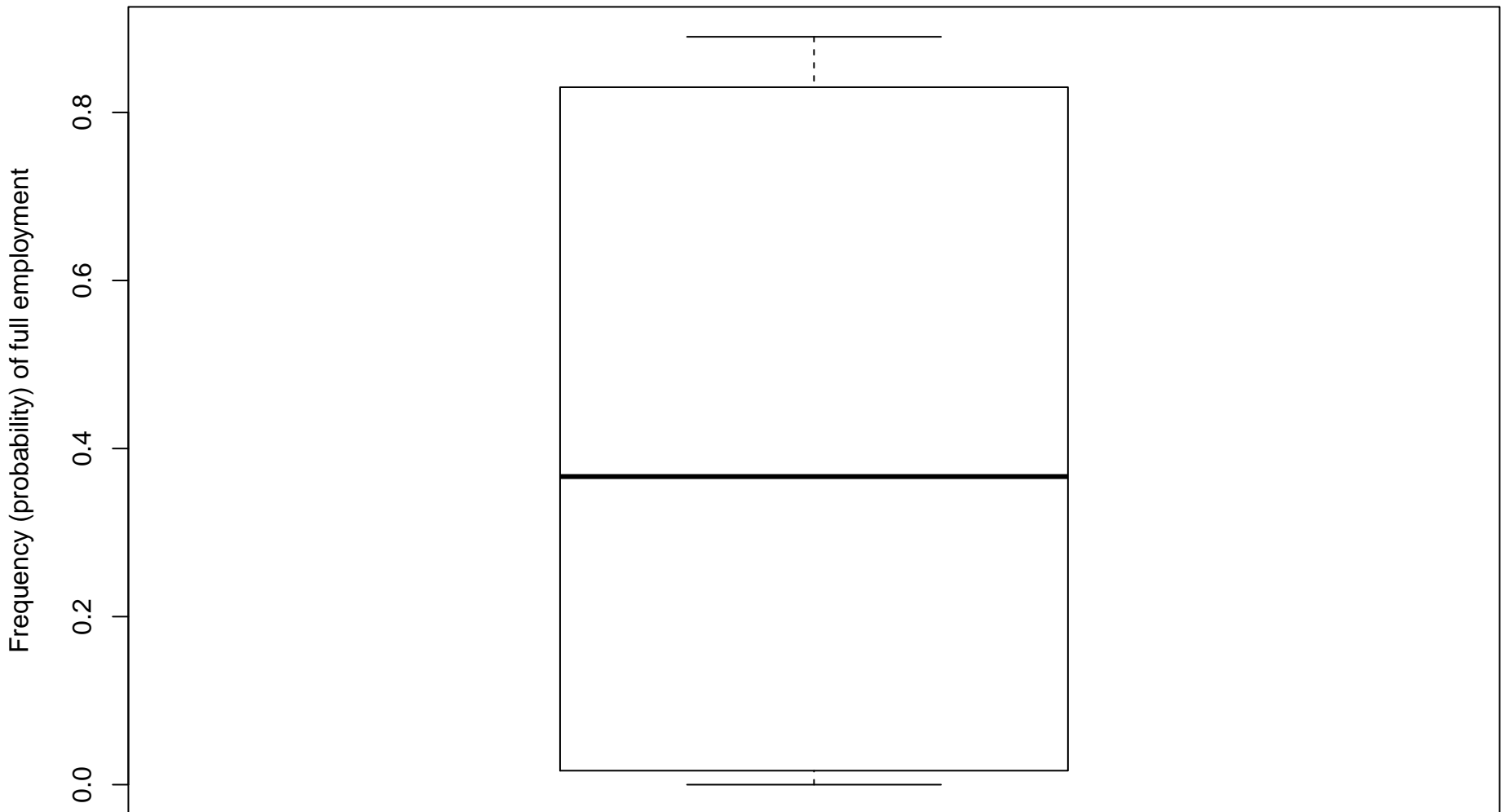
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Capacity utilization



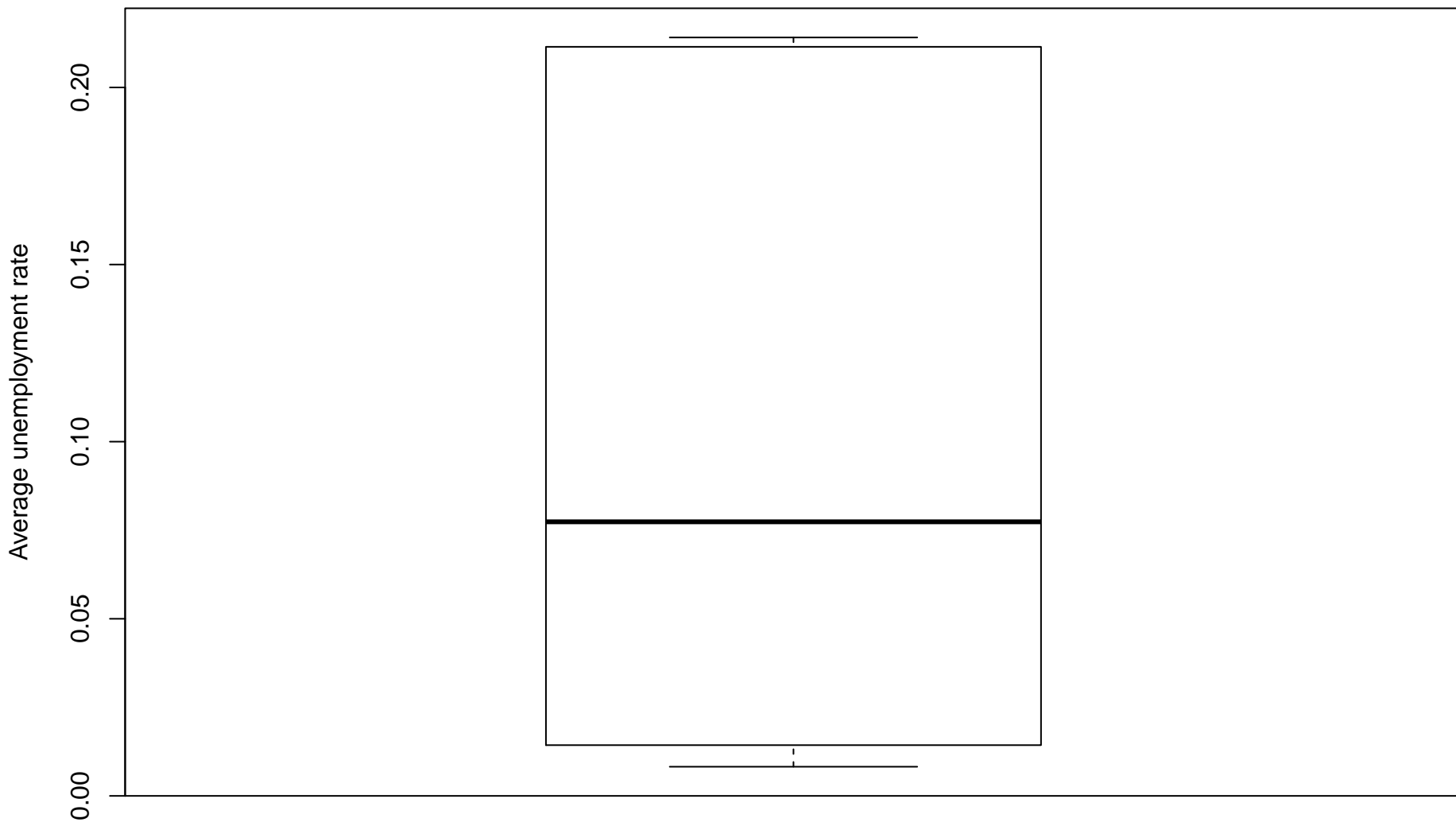
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Full employment frequency



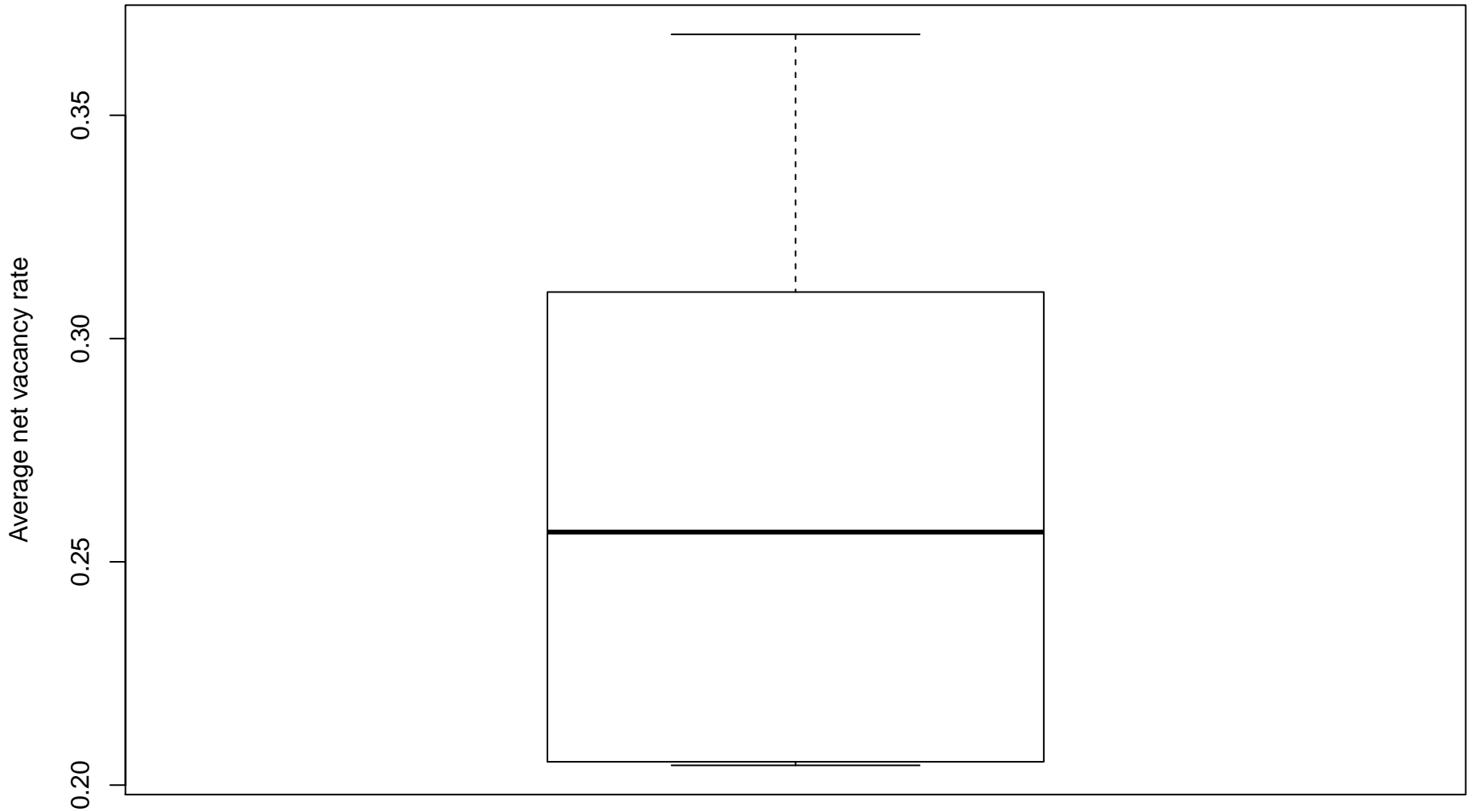
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Unemployment



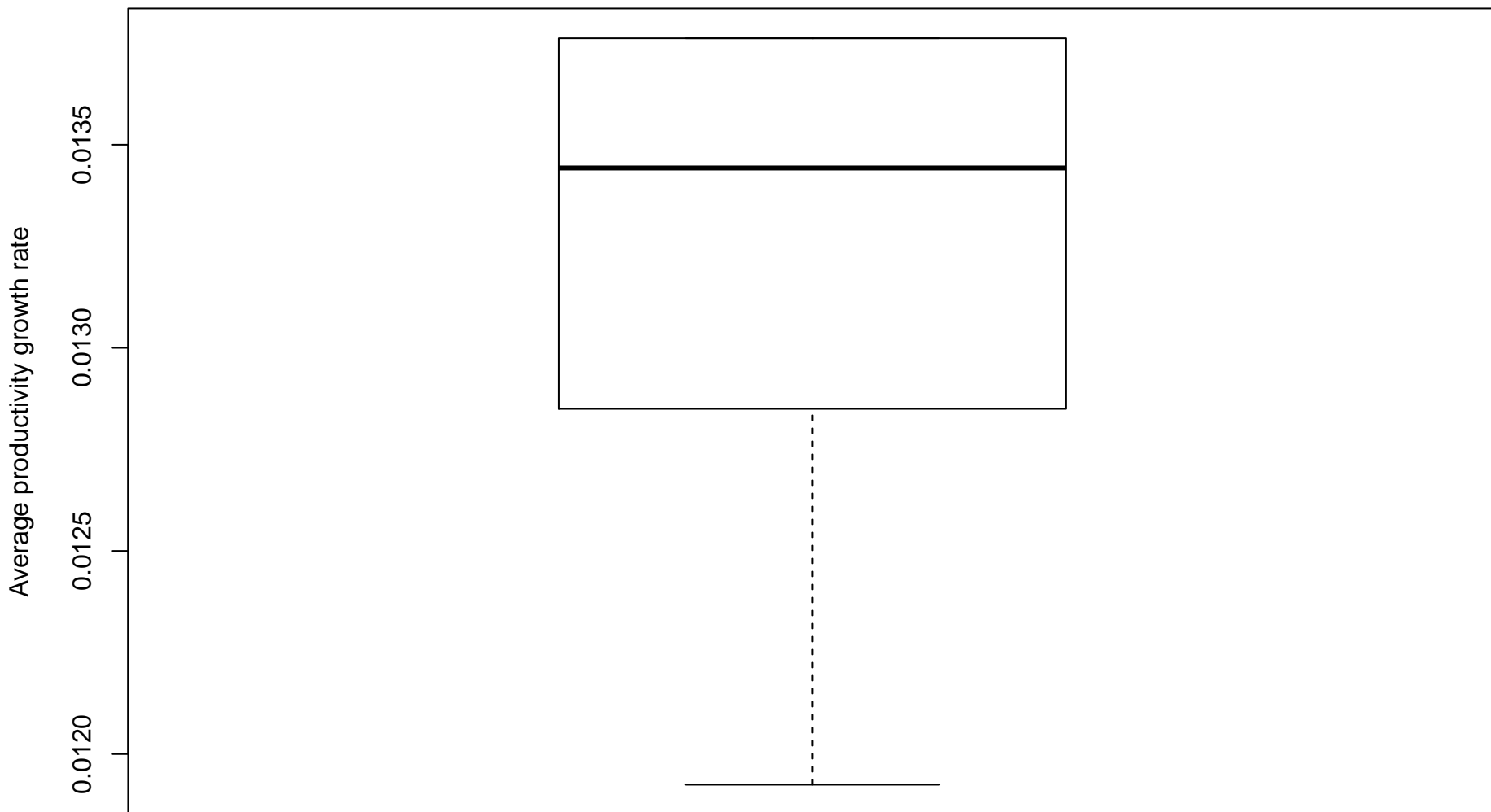
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Vacancy



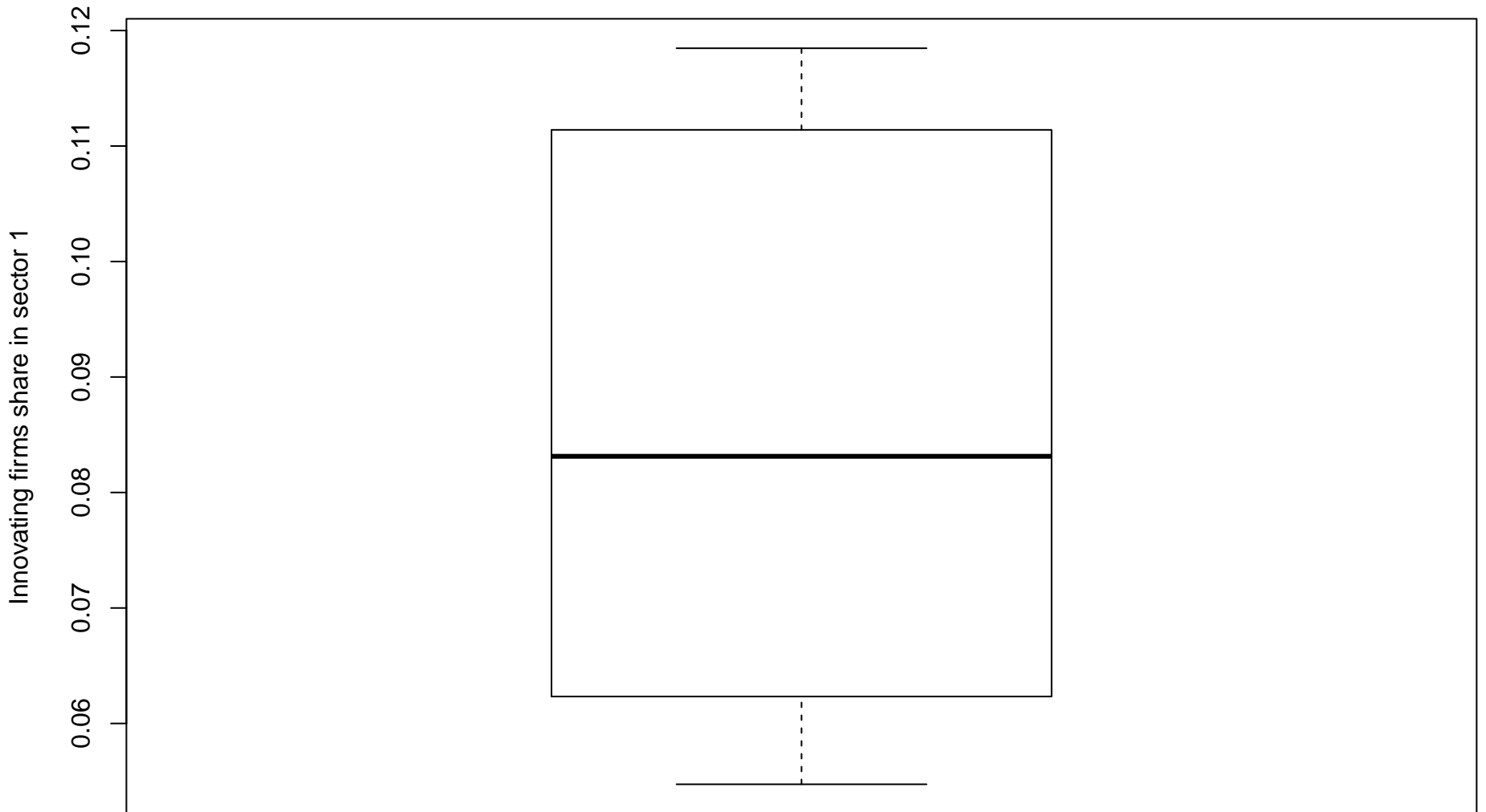
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Productivity growth



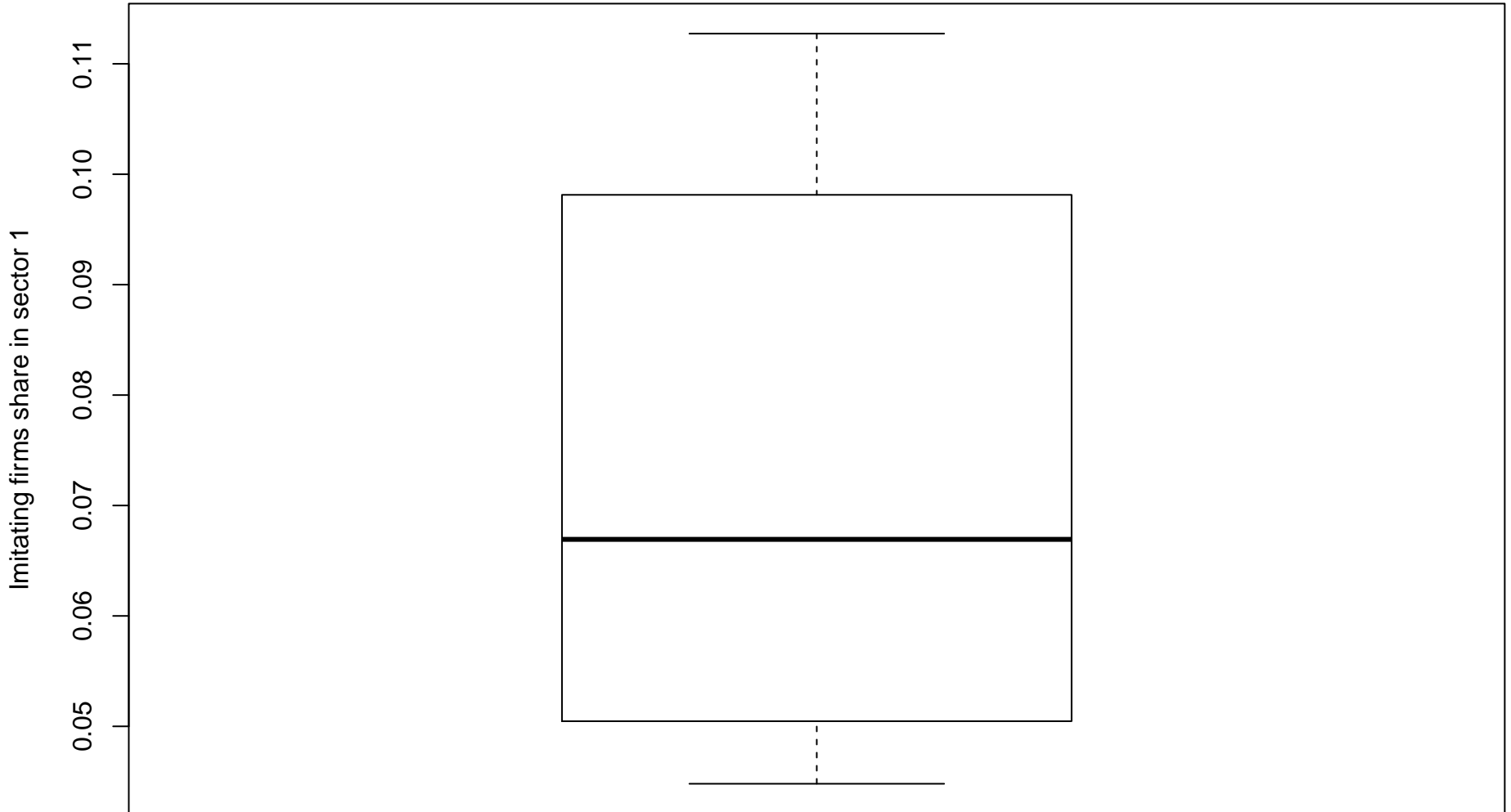
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Innovation



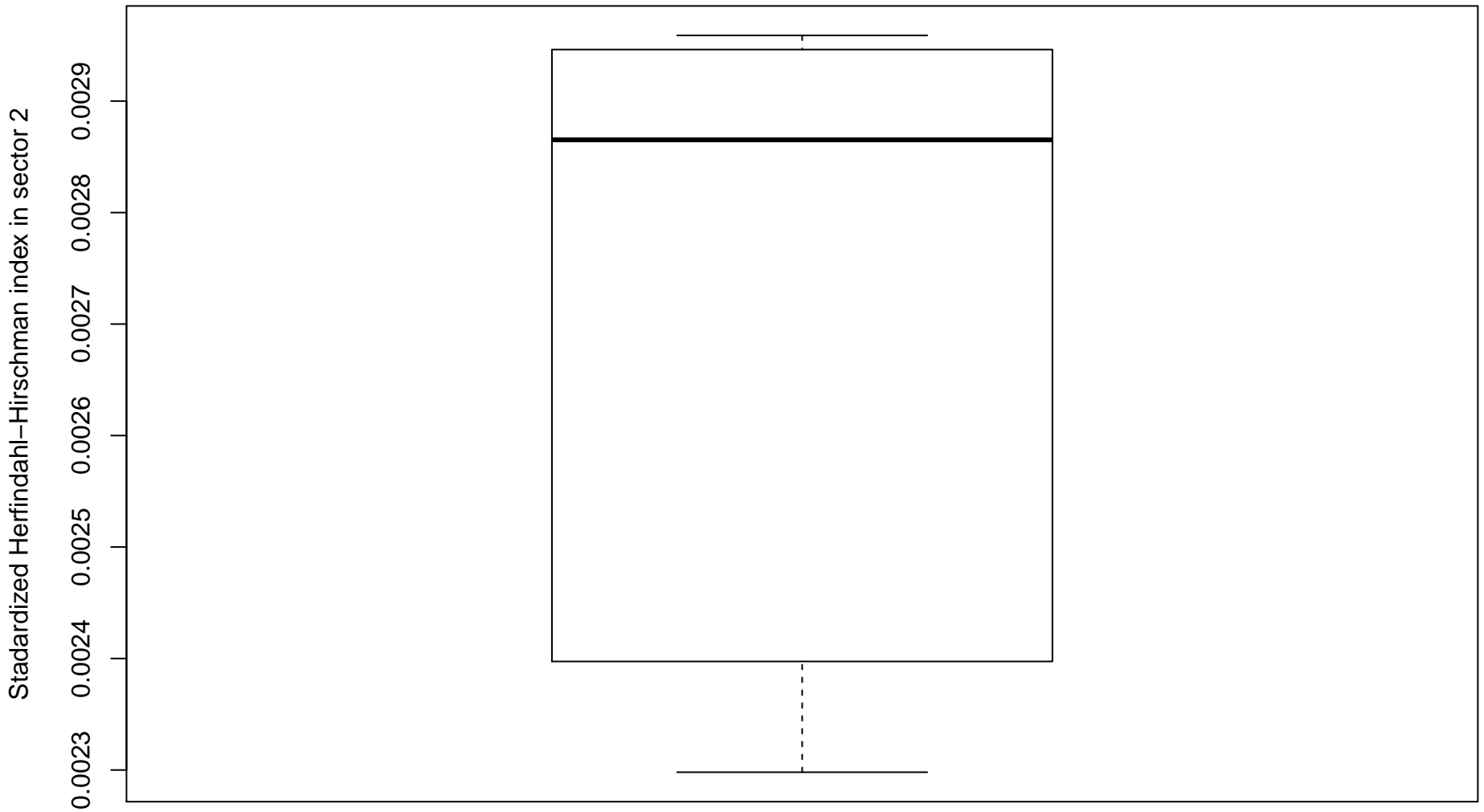
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Imitation



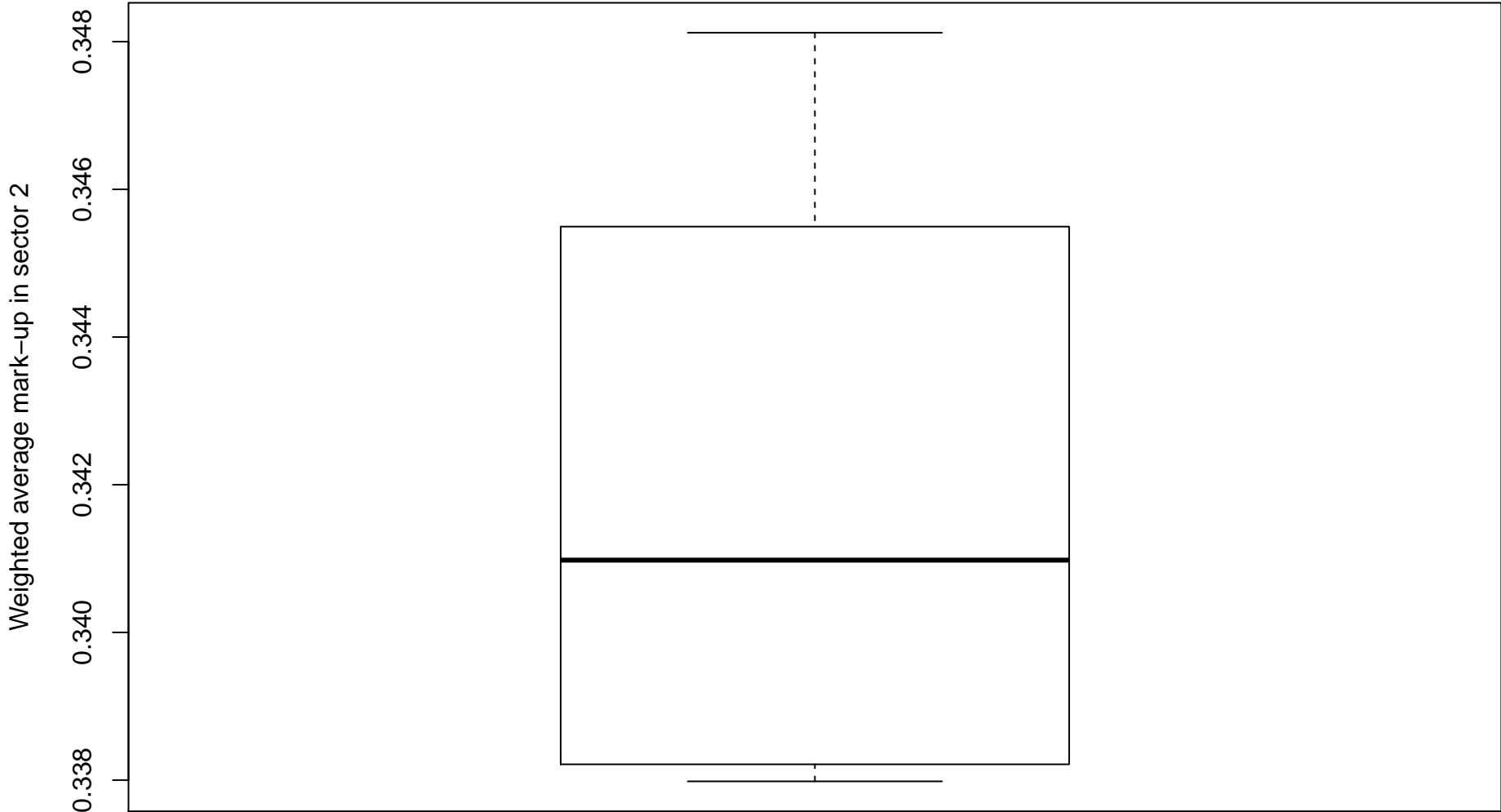
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Market concentration



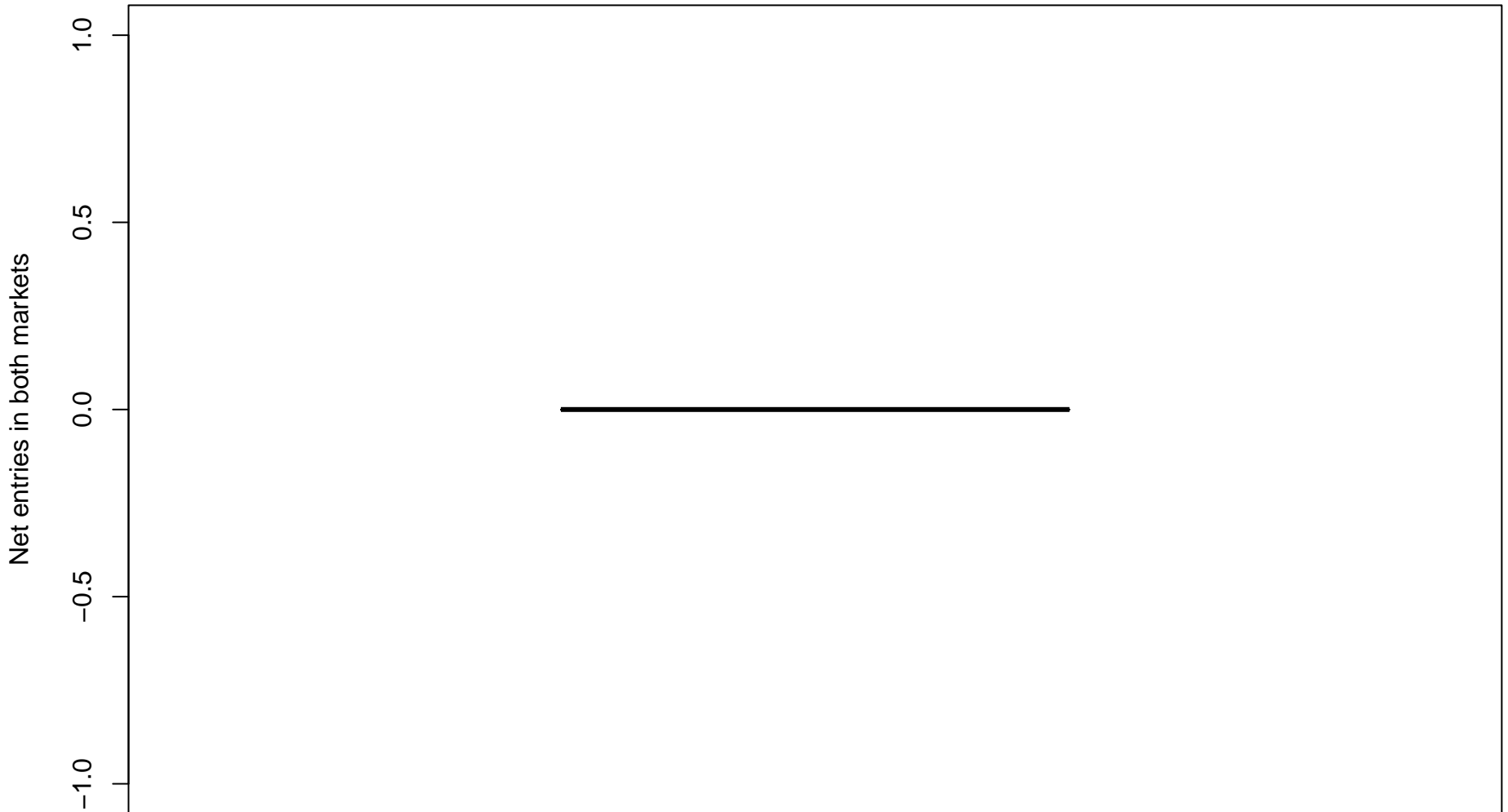
(bar: median / box: 2nd–3rd quartile / whiskers: max–min / points: outliers / MC runs = 5 / period = 301 – 600)

Mark-ups



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

Net entry of firms



(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	0.0136	0.001389	0.01209	0.01577
Volatility of GDP growth	0.09513	0.006322	0.0879	0.1051
Likelihood of GDP crises	0.2447	0.05536	0.1733	0.3133
Inflation	0.002227	0.001386	0.0006752	0.004183
Tax	0.024	0.001813	0.02225	0.02591
Government total expenditure	0.04248	0.0424	0.002837	0.08809
Government deficit	0.1424	0.05391	0.07751	0.1967
Government debt	8.974	3.051	5.212	12.08
Credit supply	-8.033e-10	3.212e-10	-1.301e-09	-4.125e-10
Loans	2.029	1.224	0.9363	3.863
Capacity utilization	0.5228	0.004297	0.517	0.5289
Full employment frequency	0.4207	0.4275	0	0.89
Unemployment	0.1051	0.102	0.008232	0.2141
Vacancy	0.269	0.07059	0.2044	0.3681
Productivity growth	0.01368	0.00168	0.01192	0.01641
Innovation	0.08601	0.02848	0.05473	0.1185
Imitation	0.07461	0.02974	0.0448	0.1127
Market concentration	0.002693	0.0003193	0.002298	0.002959
Mark-ups	0.3422	0.004502	0.338	0.3481
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)