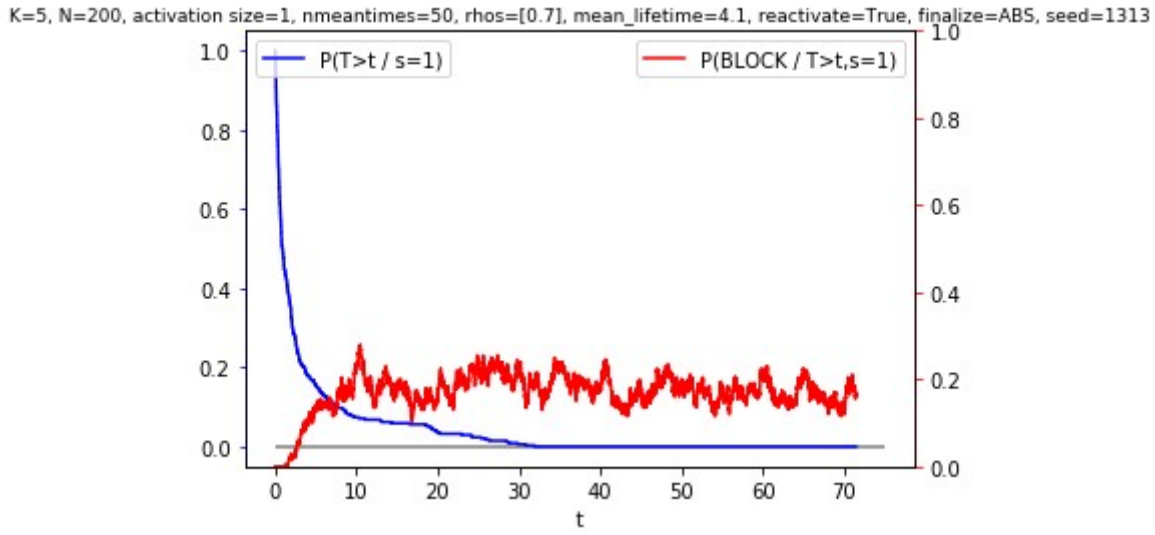
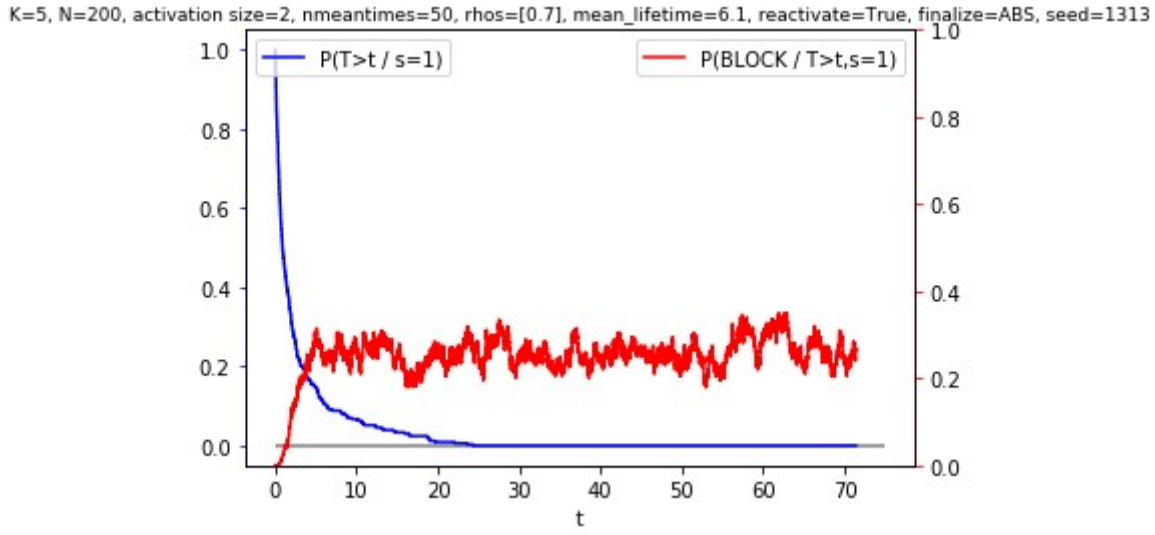
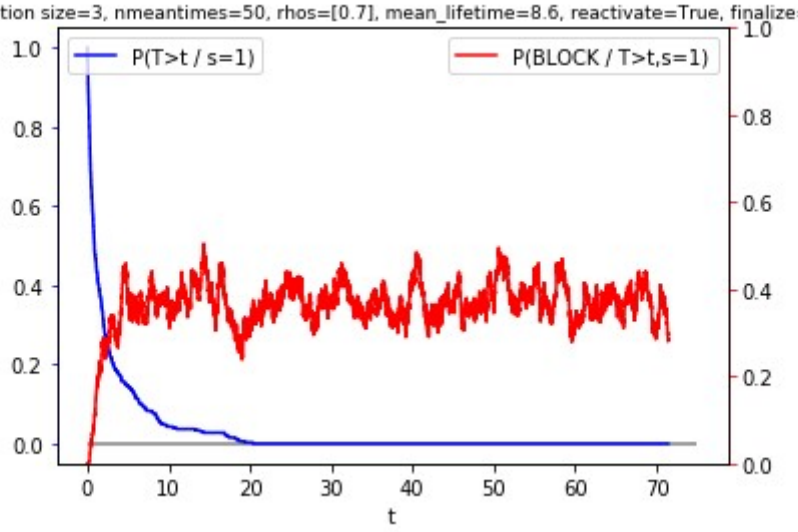
```
Python 3.6.4 |Anaconda custom (64-bit)| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 6.2.1 -- An enhanced Interactive Python.

Restarting kernel...
```

```
In [1]: runfile('E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test/test_QB.py', wdir='E:/Daniel/
Projects/PhD-RL-Toulouse/projects/Python/test')
Directory:
E:\Daniel\Projects\PhD-RL-Toulouse\projects
has been prepended to the module search path.
Log file '../../RL-002-QueueBlocking/logs/analyze_convergence_20210419_235802.log' has been open for
output.
Started at: 2021-04-19 23:58:02
C:\ProgramData\Anaconda\Anaconda3\lib\site-packages\pandas\core\groupby.py:4291: FutureWarning: using a
dict with renaming is deprecated and will be removed in a future version
  return super(DataFrameGroupBy, self).aggregate(arg, *args, **kwargs)
Ended at: 2021-04-20 06:42:06
Execution time: 404.1 min, 6.7 hours
```

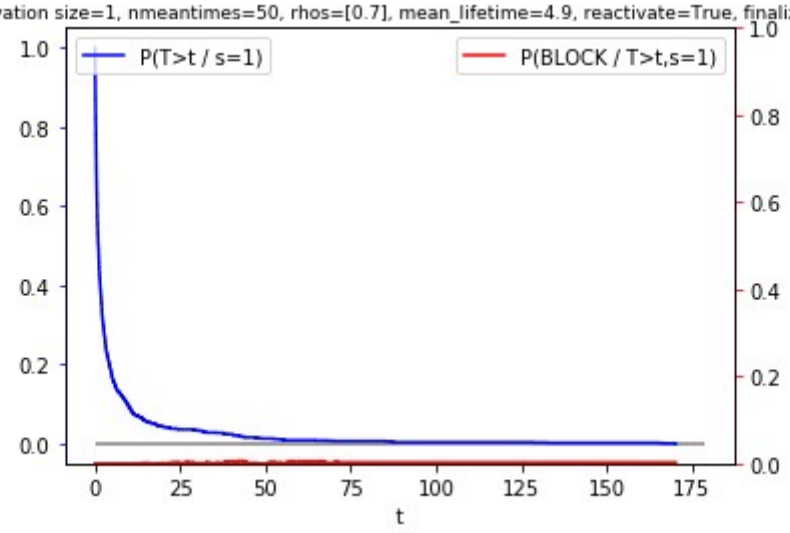




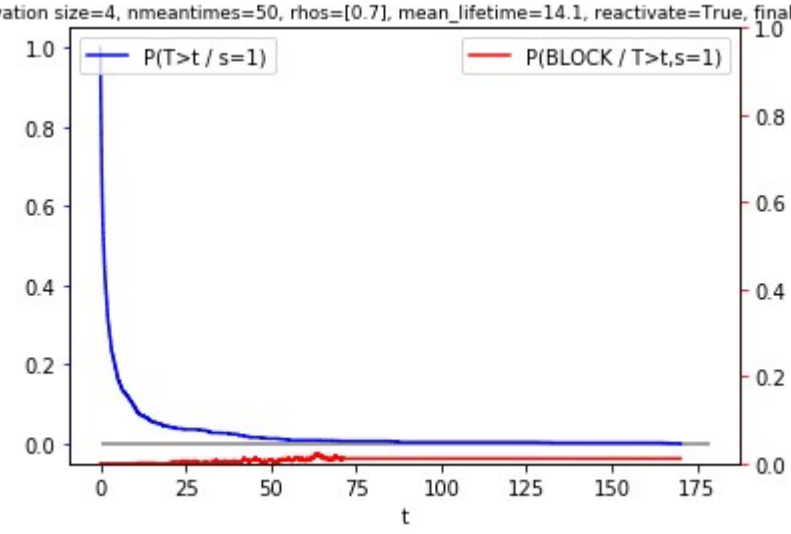
K=5, N=200, activation size=3, nmeantimes=50, rhos=[0.7], mean_lifetime=8.6, reactivate=True, finalize=ABS, seed=1313



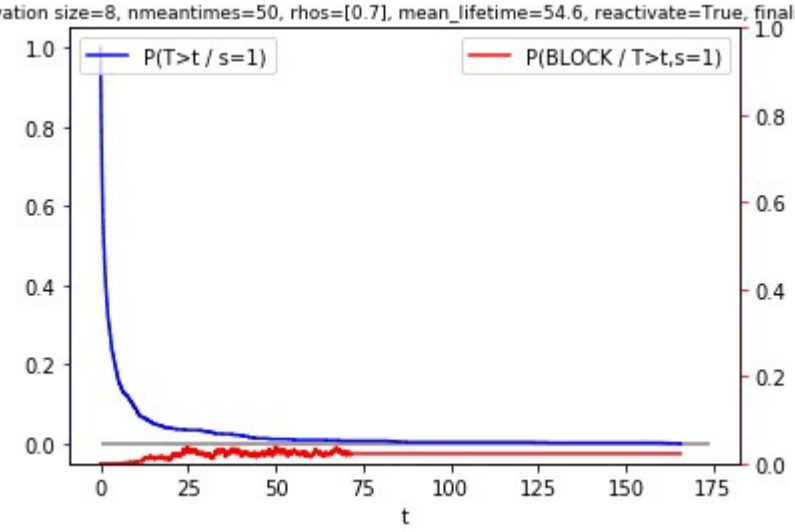
K=20, N=800, activation size=1, nmeantimes=50, rhos=[0.7], mean_lifetime=4.9, reactivate=True, finalize=ABS, seed=1313



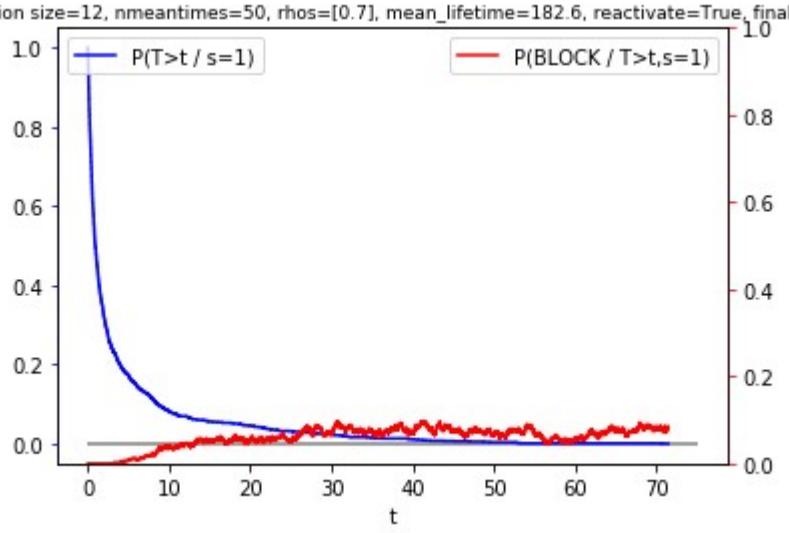
K=20, N=800, activation size=4, nmeantimes=50, rhos=[0.7], mean_lifetime=14.1, reactivate=True, finalize=ABS, seed=1313



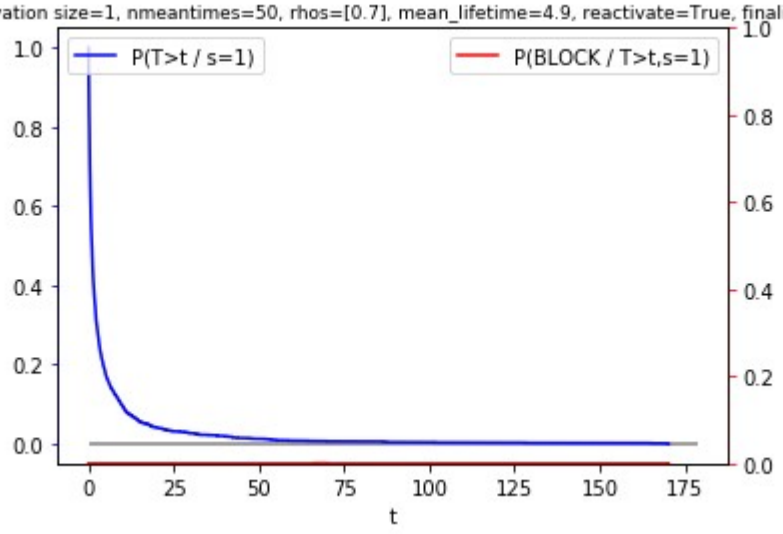
K=20, N=800, activation size=8, nmeantimes=50, rhos=[0.7], mean_lifetime=54.6, reactivate=True, finalize=ABS, seed=1313



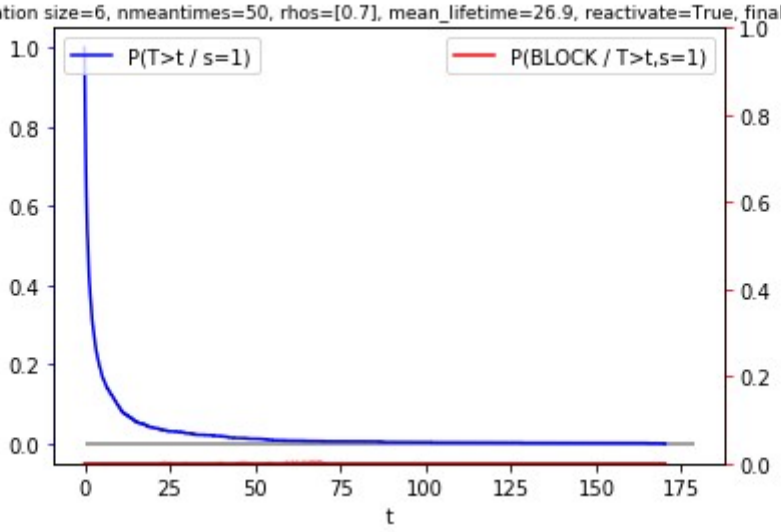
K=20, N=800, activation size=12, nmeantimes=50, rhos=[0.7], mean_lifetime=182.6, reactivate=True, finalize=ABS, seed=1313



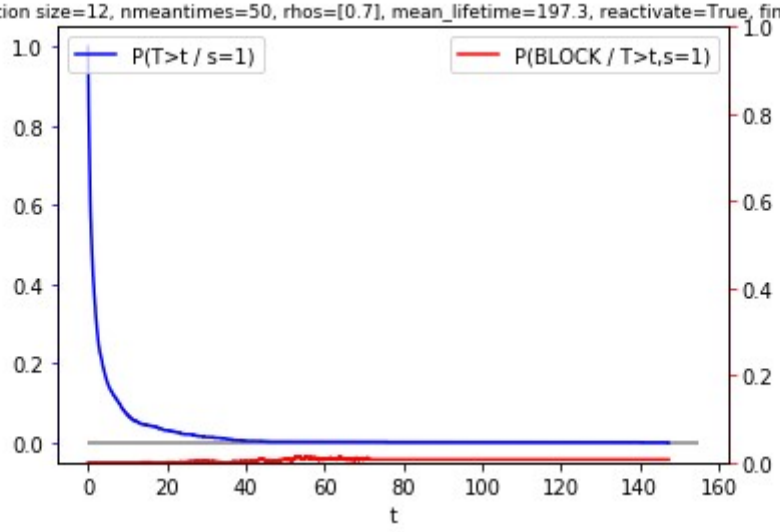
K=30, N=1200, activation size=1, nmeantimes=50, rhos=[0.7], mean_lifetime=4.9, reactivate=True, finalize=ABS, seed=1313



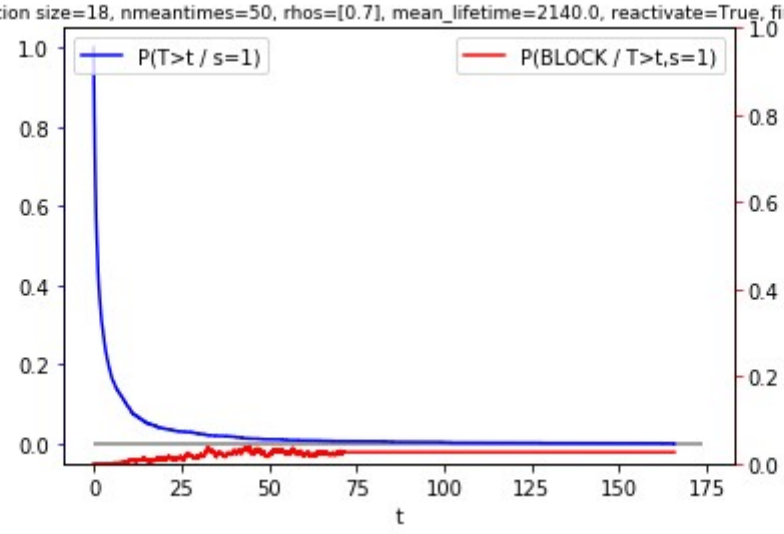
K=30, N=1200, activation size=6, nmeantimes=50, rhos=[0.7], mean_lifetime=26.9, reactivate=True, finalize=ABS, seed=1313



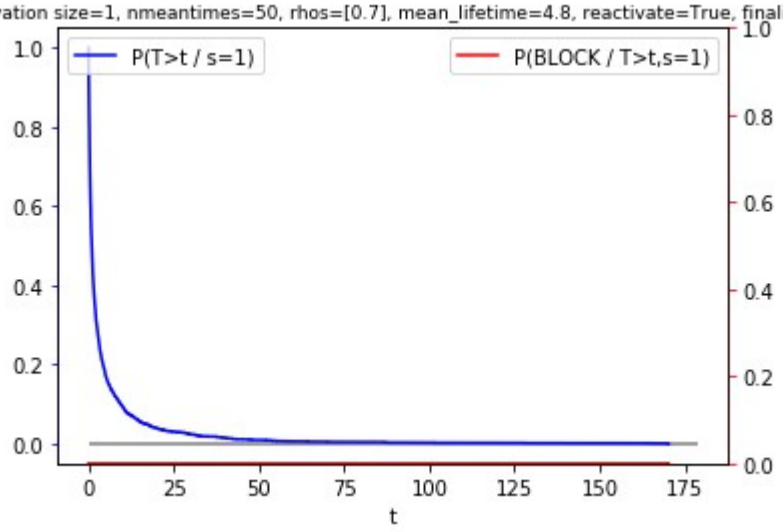
K=30, N=1200, activation size=12, nmeantimes=50, rhos=[0.7], mean_lifetime=197.3, reactivate=True, finalize=ABS, seed=1313



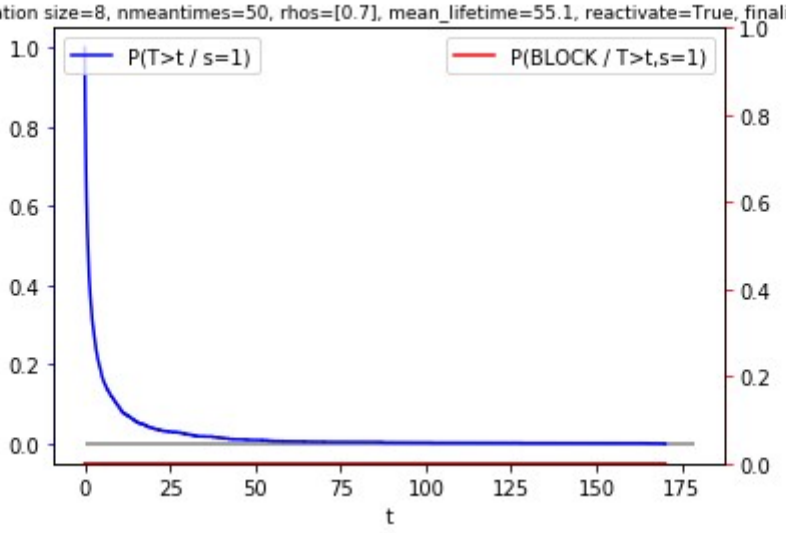
K=30, N=1200, activation size=18, nmeantimes=50, rhos=[0.7], mean_lifetime=2140.0, reactivate=True, finalize=ABS, seed=1313



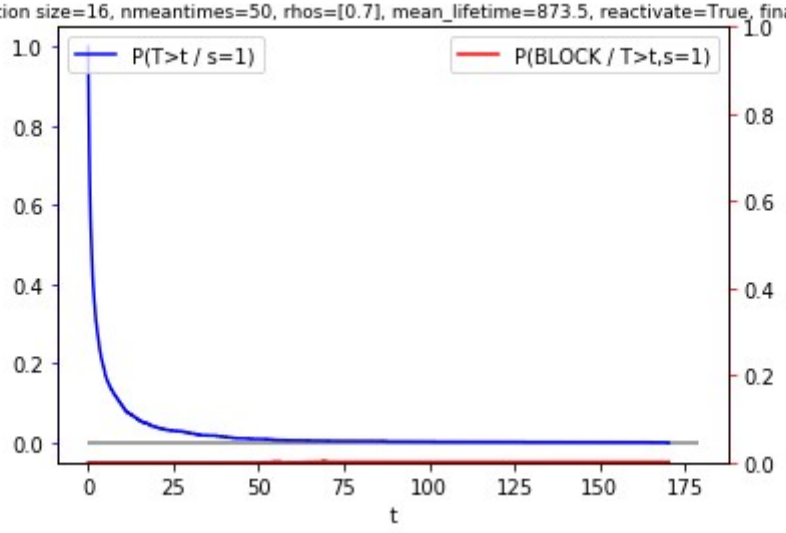
K=40, N=1600, activation size=1, nmeantimes=50, rhos=[0.7], mean_lifetime=4.8, reactivate=True, finalize=ABS, seed=1313

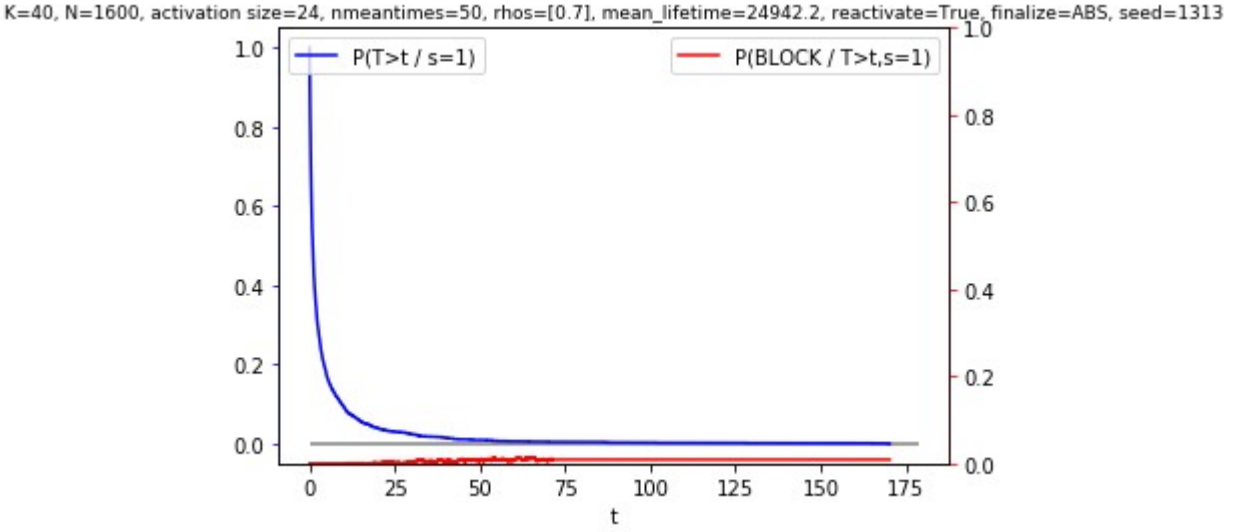


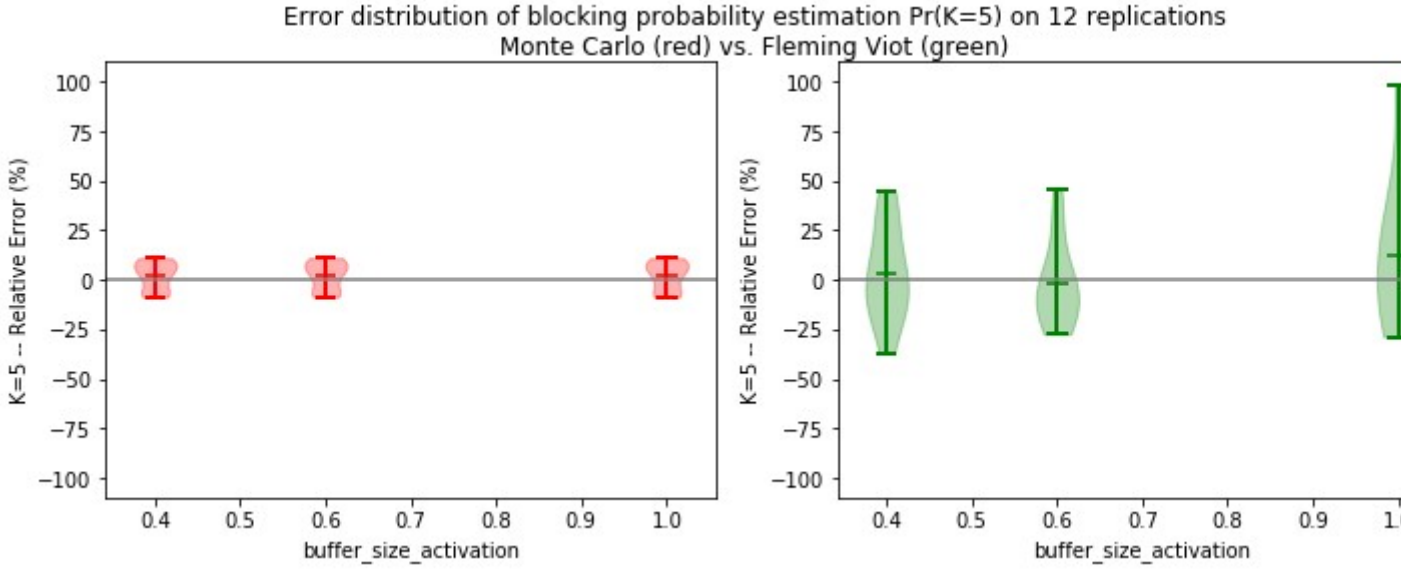
K=40, N=1600, activation size=8, nmeantimes=50, rhos=[0.7], mean_lifetime=55.1, reactivate=True, finalize=ABS, seed=1313

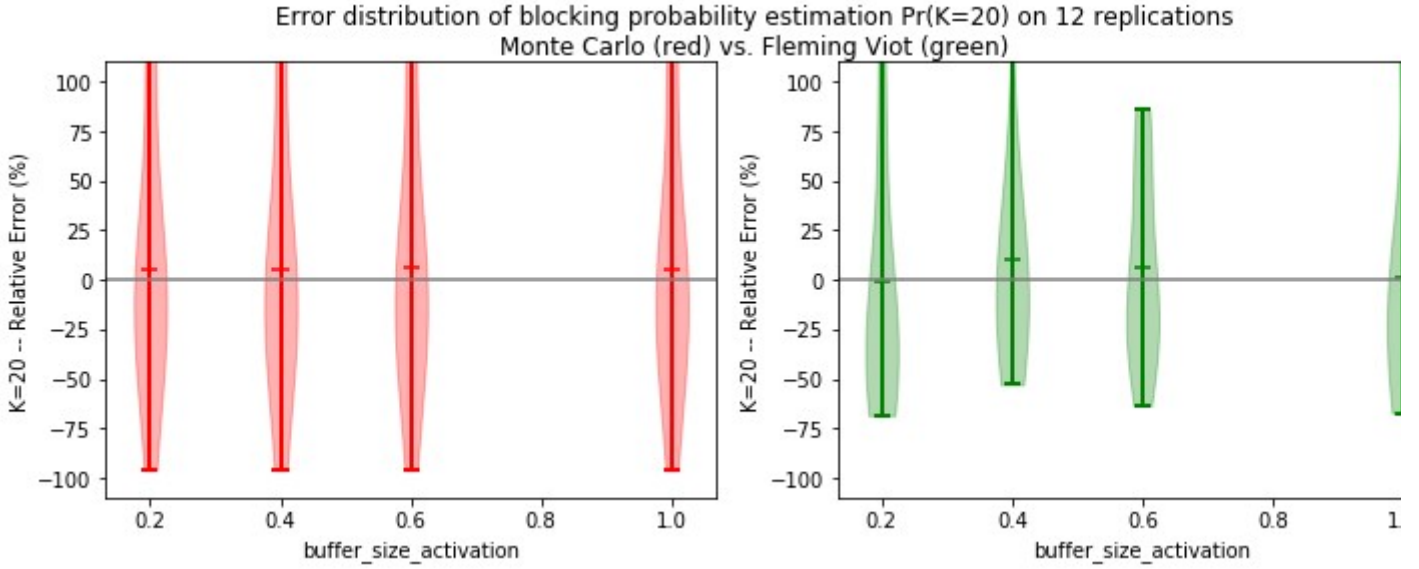


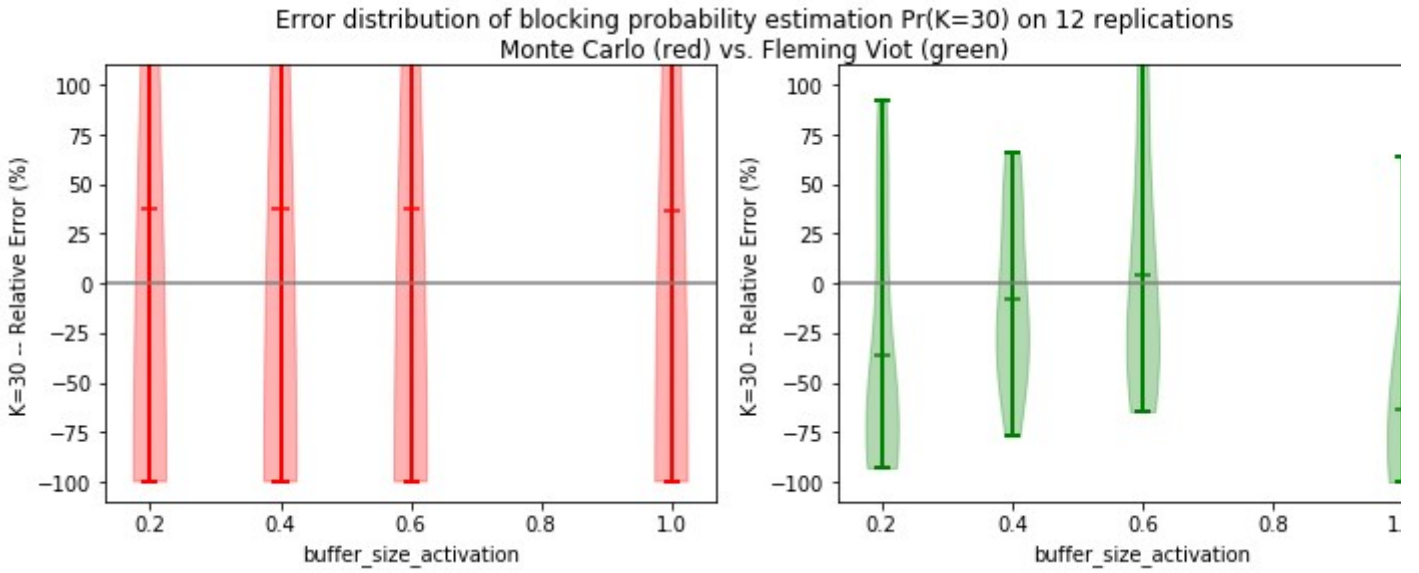
K=40, N=1600, activation size=16, nmeantimes=50, rhos=[0.7], mean_lifetime=873.5, reactivate=True, finalize=ABS, seed=1313

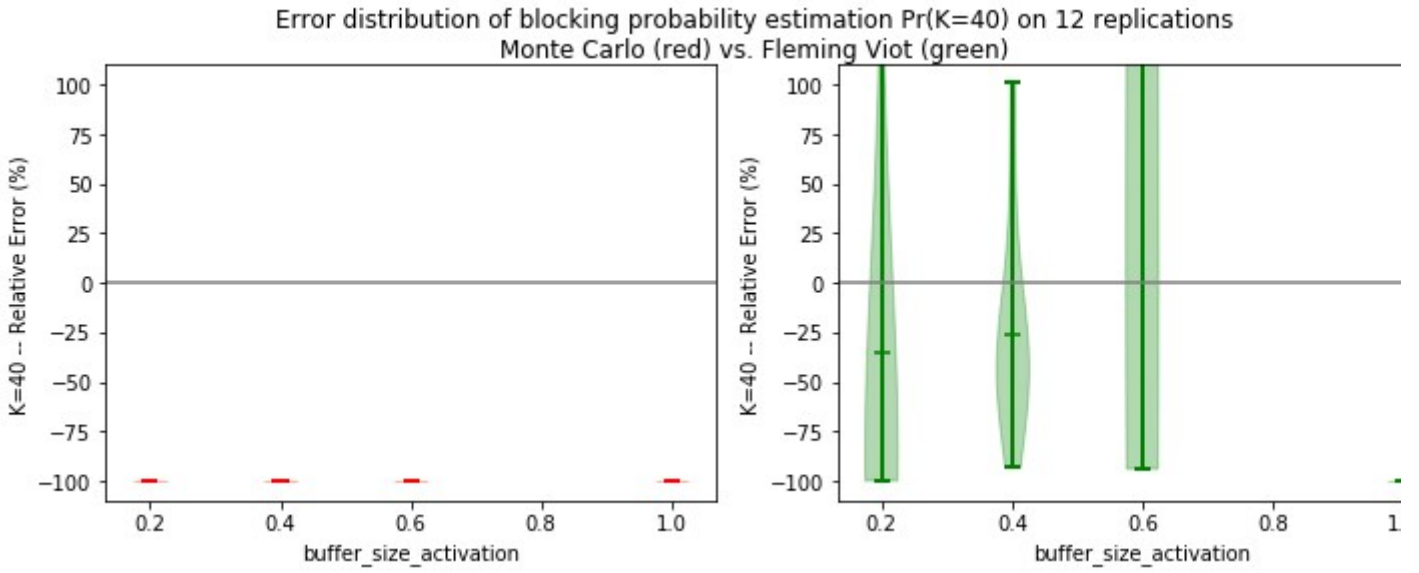



K=40, N=1600, activation size=24, nmeantimes=50, rhos=[0.7], mean_lifetime=24942.2, reactivate=True, finalize=ABS, seed=1313
P(T>t / s=1)
P(BLOCK / T>t,s=1)
t


Error distribution of blocking probability estimation Pr(K=5) on 12 replications
Monte Carlo (red) vs. Fleming Viot (green)
K=5 -- Relative Error (%)
buffer_size_activation


Error distribution of blocking probability estimation Pr(K=20) on 12 replications
Monte Carlo (red) vs. Fleming Viot (green)
K=20 -- Relative Error (%)
buffer_size_activation


Error distribution of blocking probability estimation Pr(K=30) on 12 replications
Monte Carlo (red) vs. Fleming Viot (green)
K=30 -- Relative Error (%)
buffer_size_activation


Error distribution of blocking probability estimation Pr(K=40) on 12 replications
Monte Carlo (red) vs. Fleming Viot (green)
K=40 -- Relative Error (%)
buffer_size_activation

In [2]: