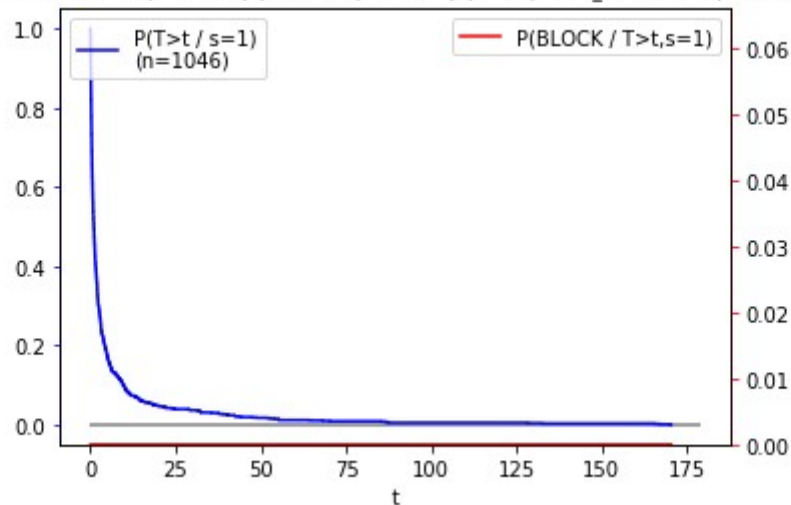


Python 3.6.4 |Anaconda custom (64-bit)| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

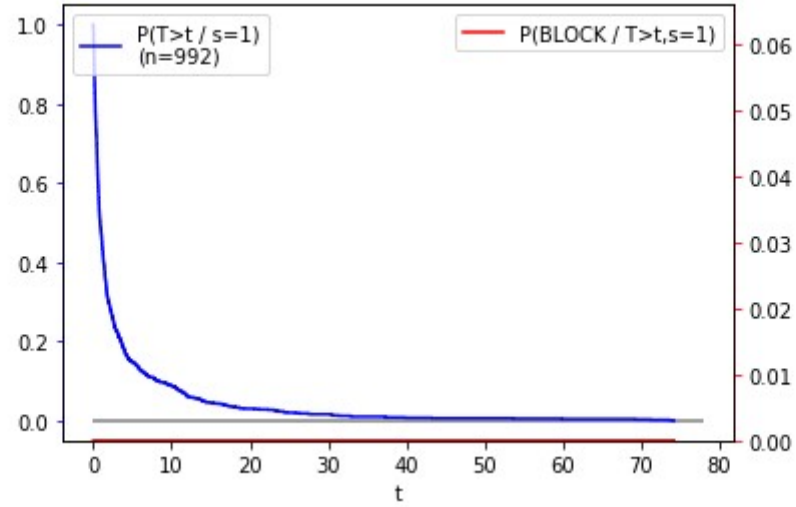
IPython 6.2.1 -- An enhanced Interactive Python.

```
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_20210429_132119.log' has been open for output.
Started at: 2021-04-29 13:21:19
C:\ProgramData\Anaconda\Anaconda3\lib\site-packages\matplotlib\pyplot.py:528: RuntimeWarning: More than 20 figures have been opened. Figures created through
the pyplot interface (`matplotlib.pyplot.figure`) are retained until explicitly closed and may consume too much memory. (To control this warning, see the
rcParam `figure.max_open_warning`).
  max_open_warning, RuntimeWarning)
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: 2021-04-29 17:40:33
Execution time: 259.2 min, 4.3 hours
```

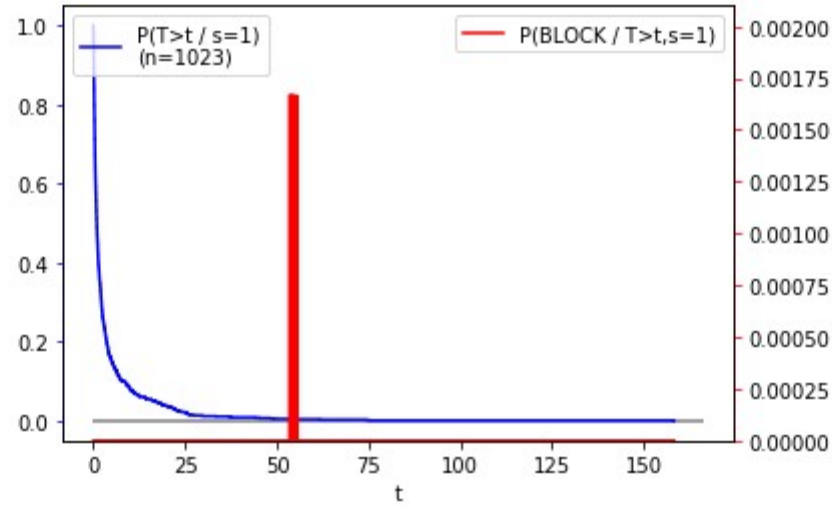
K=30, rhos=[0.7], N=600, activation size=1, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=4.8(n=8875), multiplier=1, seed=1313



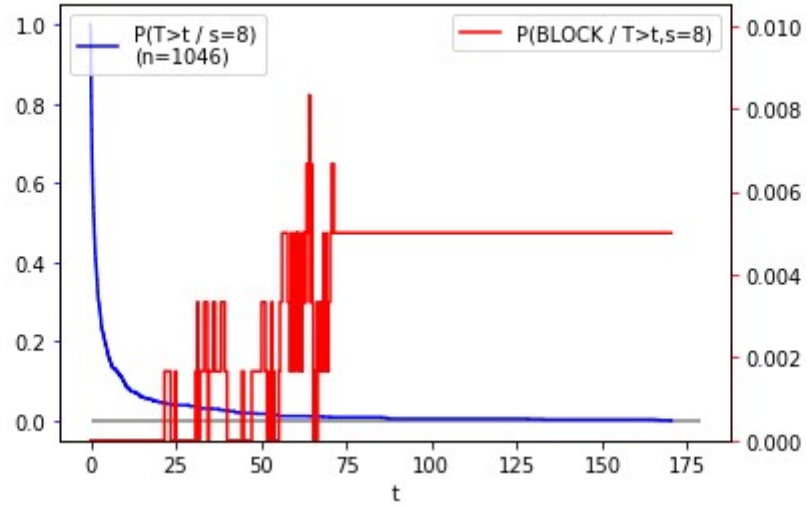
K=30, rhos=[0.7], N=600, activation size=1, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=4.7(n=9062), multiplier=1, seed=1313



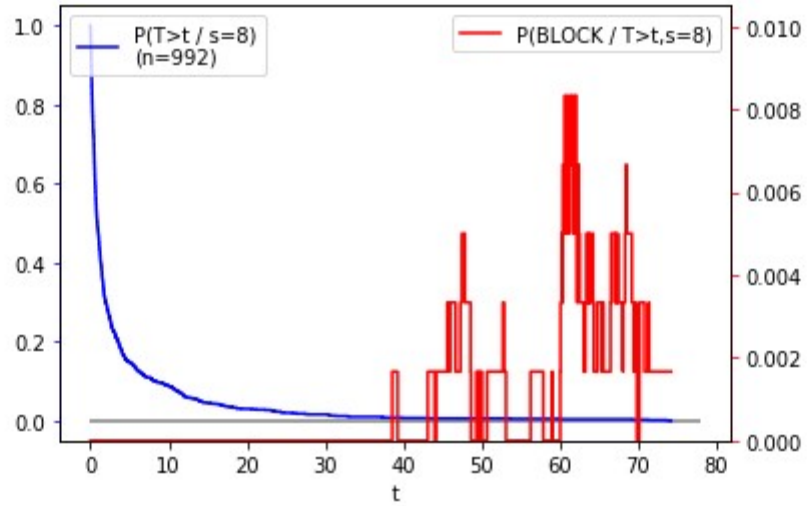
K=30, rhos=[0.7], N=600, activation size=1, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=5.0(n=8623), multiplier=1, seed=1313



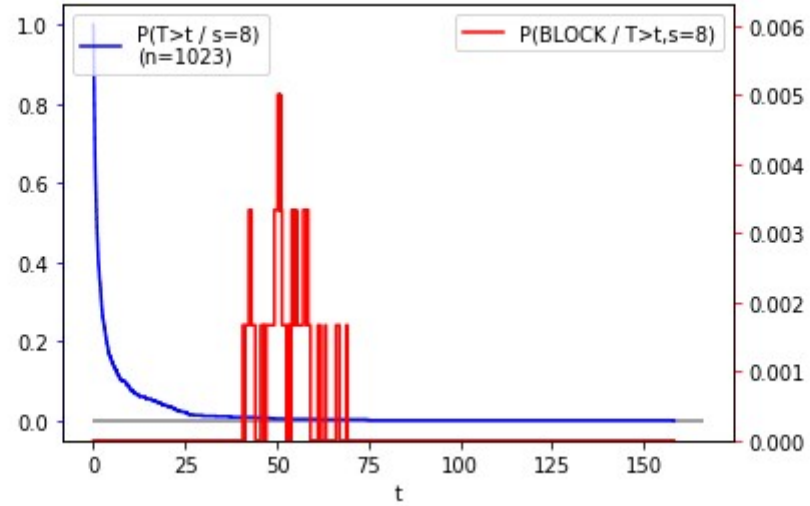
K=30, rhos=[0.7], N=600, activation size=8, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=55.6(n=770), multiplier=1, seed=1313



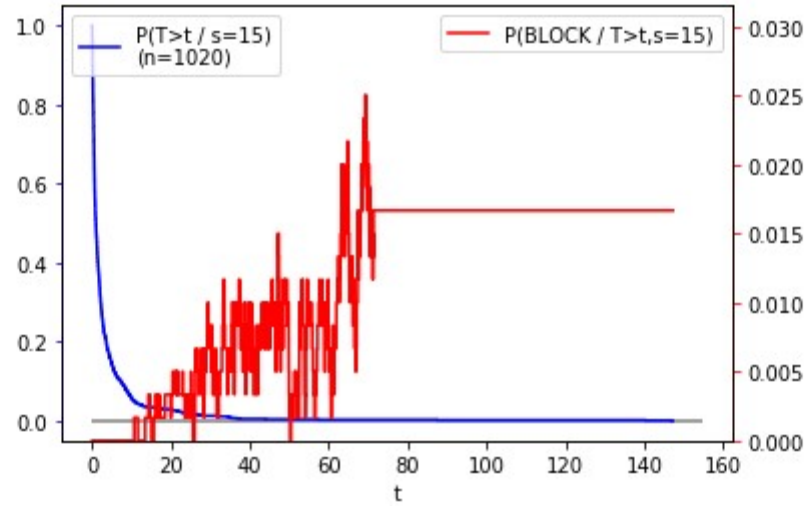
K=30, rhos=[0.7], N=600, activation size=8, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=56.7(n=752), multiplier=1, seed=1313



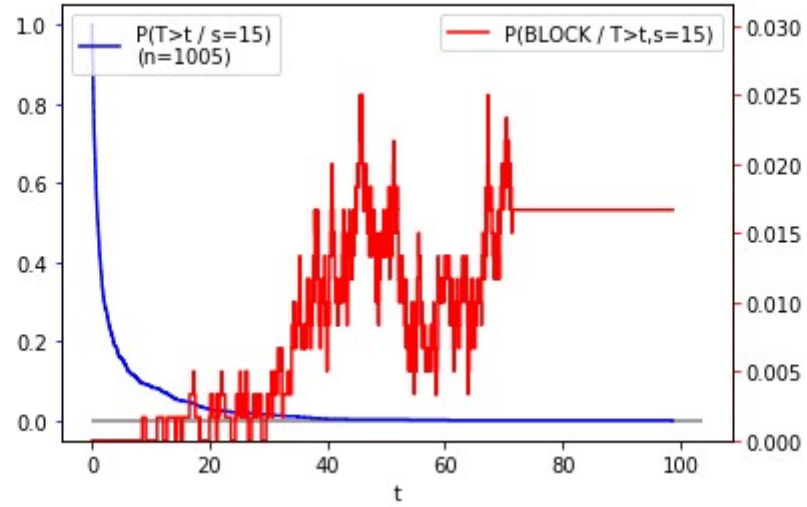
K=30, rhos=[0.7], N=600, activation size=8, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=52.3(n=819), multiplier=1, seed=1313



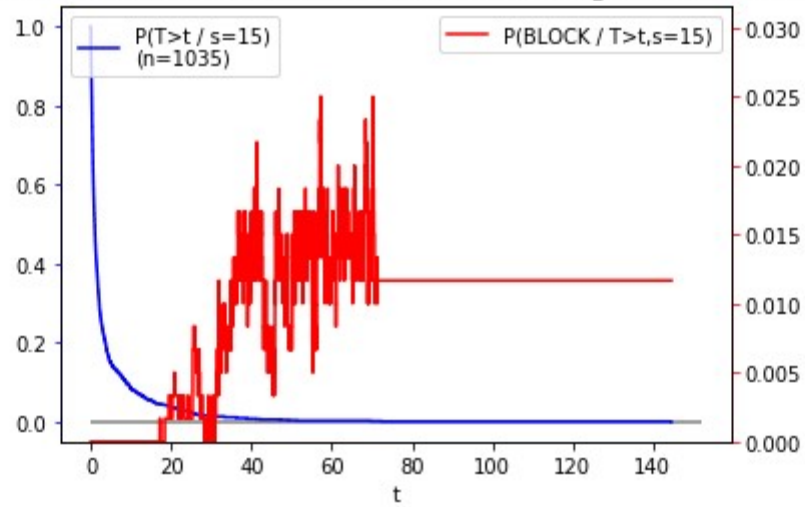
K=30, rhos=[0.7], N=600, activation size=15, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=663.6(n=64), multiplier=1, seed=1313



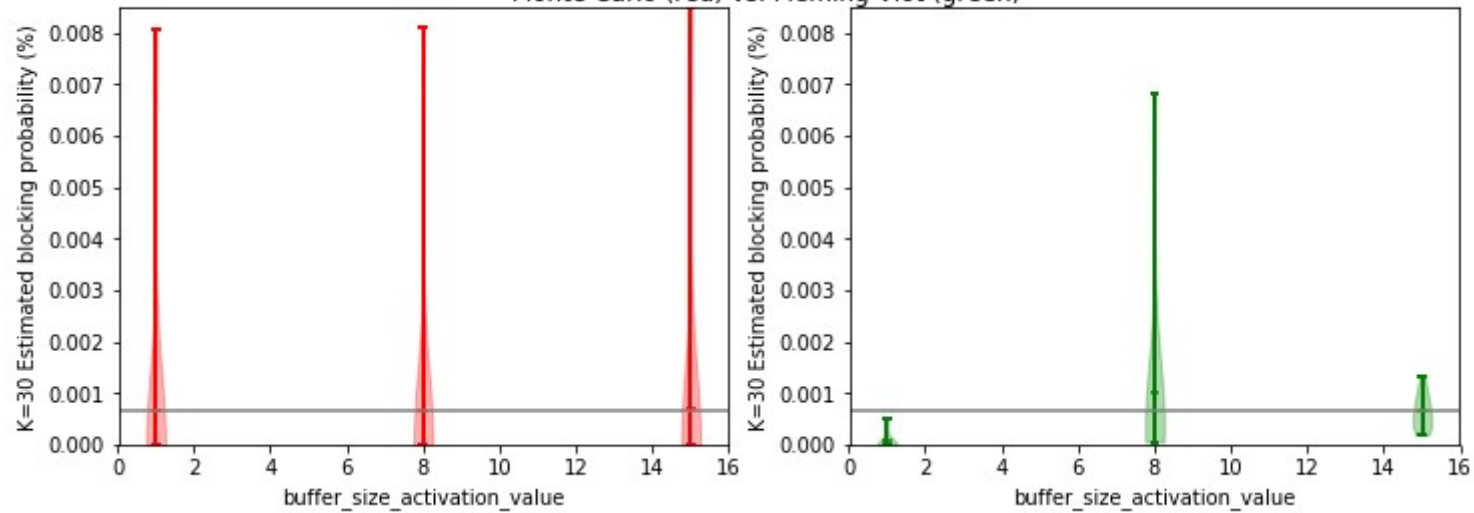
K=30, rhos=[0.7], N=600, activation size=15, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=774.2(n=55), multiplier=1, seed=1313



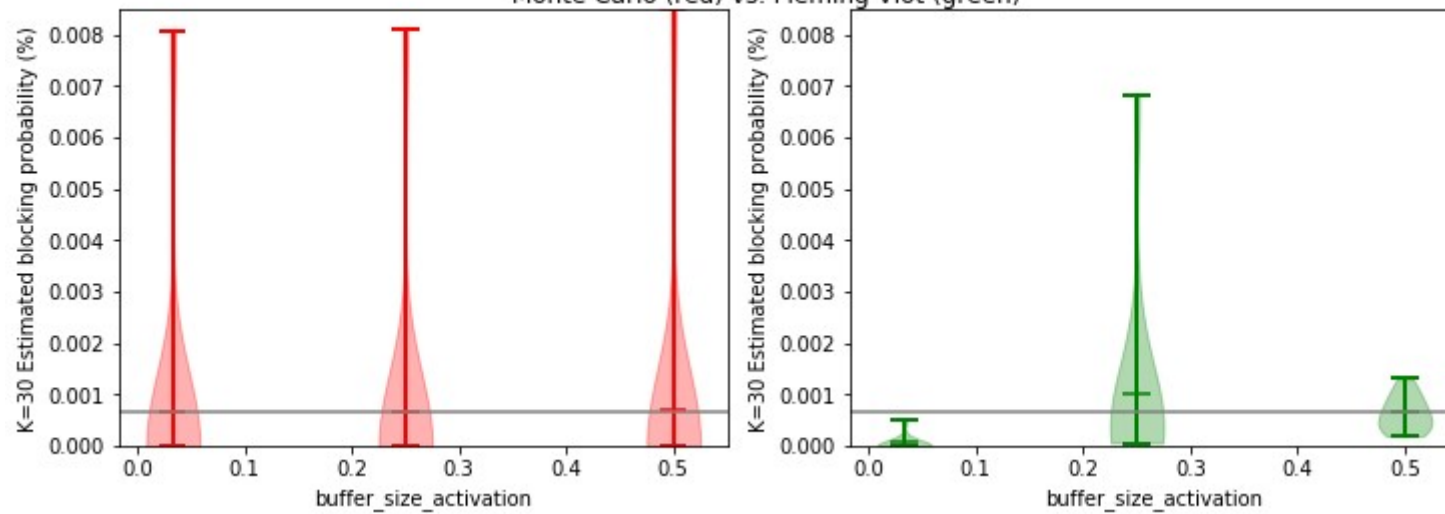
K=30, rhos=[0.7], N=600, activation size=15, maxtime(1)=42857.1, maxtime(N)=71.4, mean_lifetime=402.0(n=101), multiplier=1, seed=1313



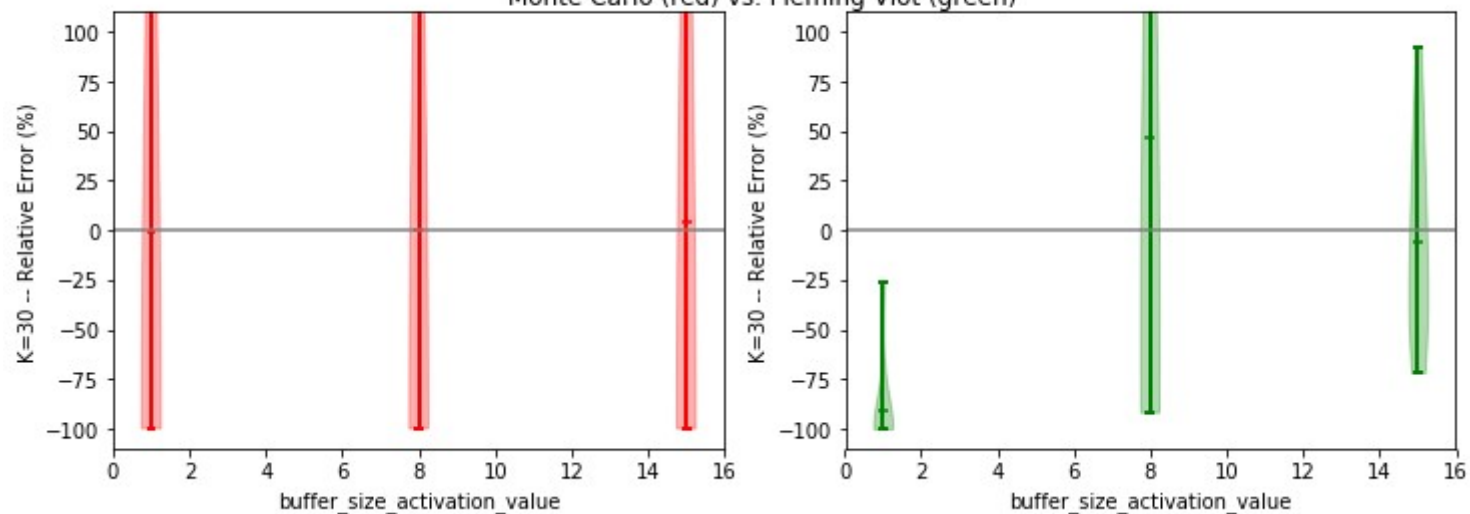
Distribution of blocking probability estimates of $\Pr(K=30) = 0.000676\%$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)



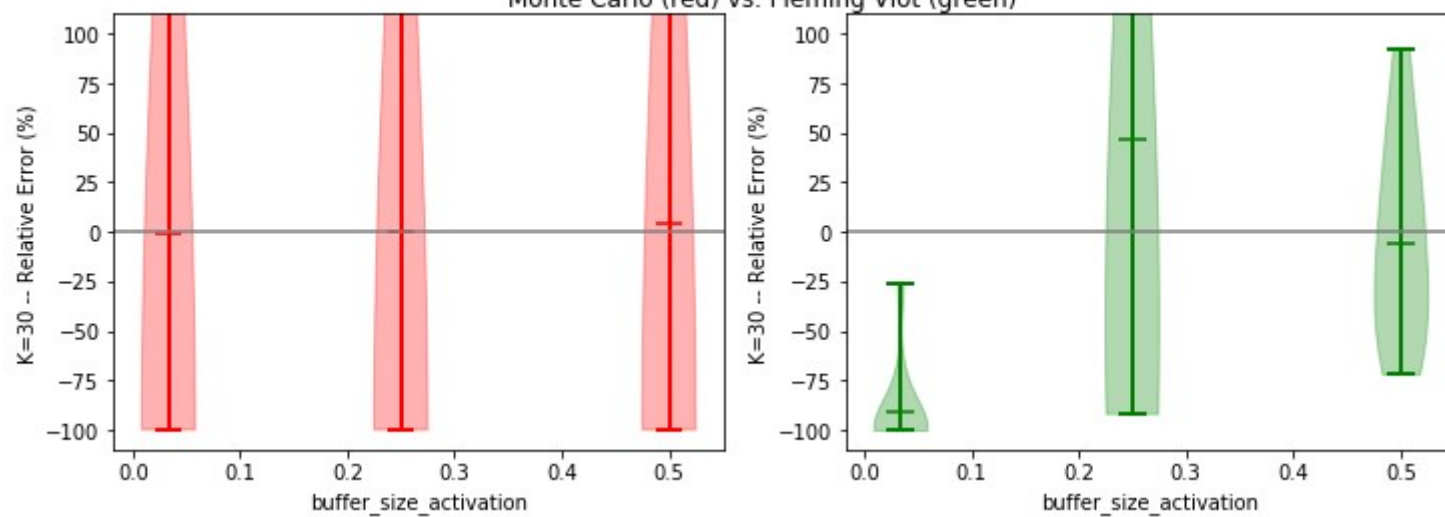
Distribution of blocking probability estimates of $\Pr(K=30) = 0.000676\%$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)



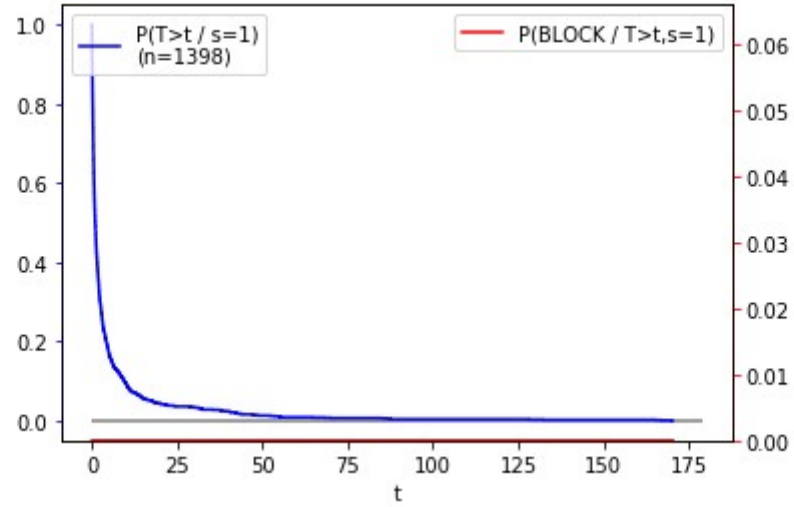
Error distribution of blocking probability estimation $\Pr(K=30)$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)



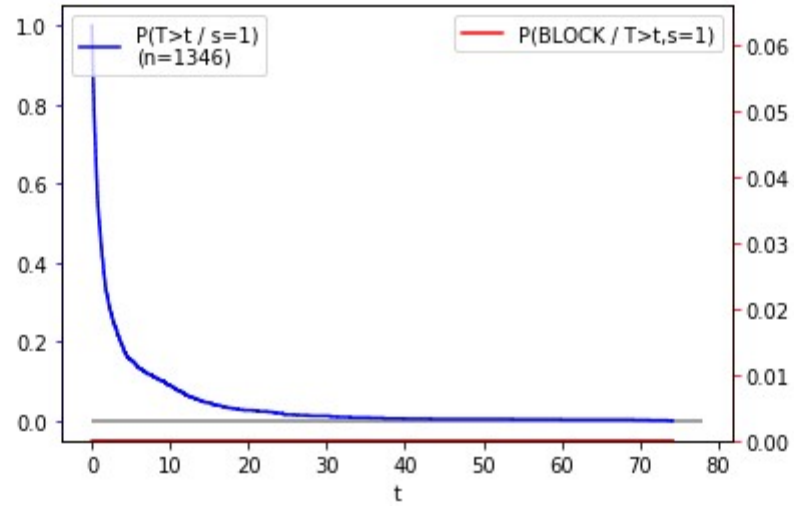
Error distribution of blocking probability estimation $\Pr(K=30)$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)



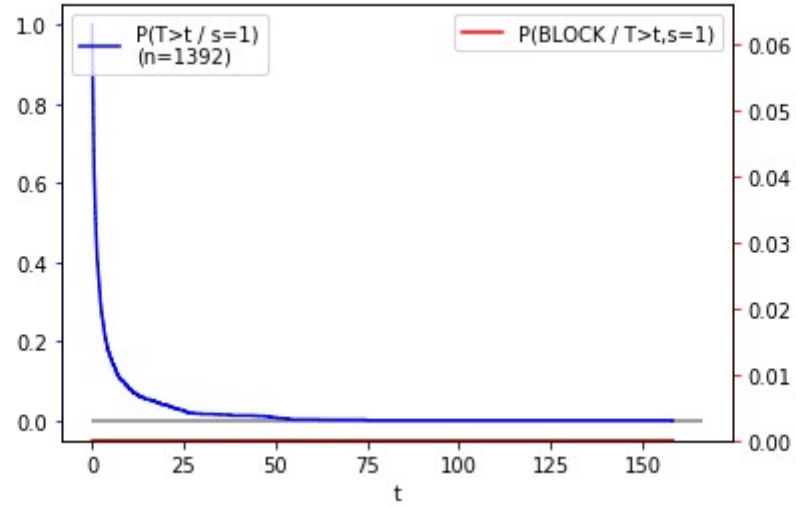
K=40, rhos=[0.7], N=800, activation size=1, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=4.8(n=11854), multiplier=1, seed=1313



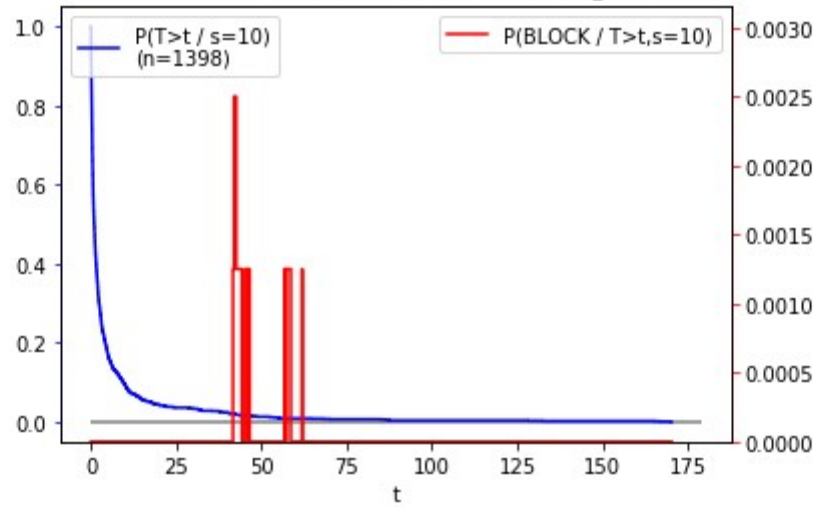
K=40, rhos=[0.7], N=800, activation size=1, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=4.7(n=12186), multiplier=1, seed=1313



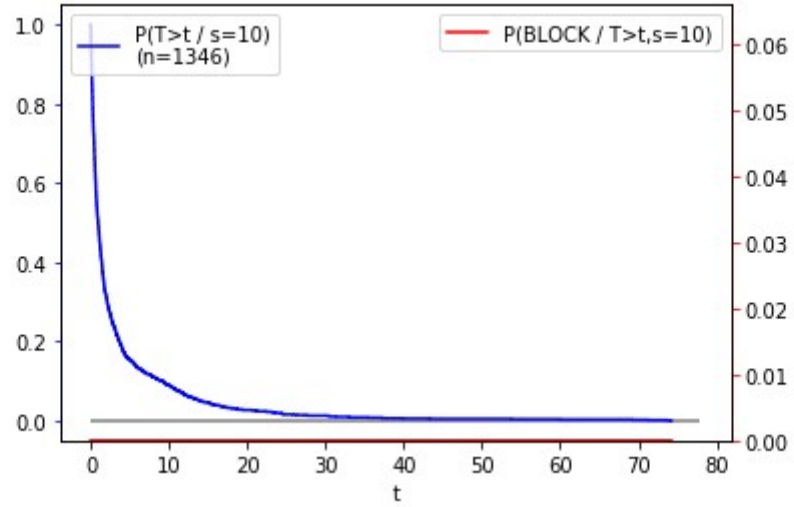
K=40, rhos=[0.7], N=800, activation size=1, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=5.0(n=11519), multiplier=1, seed=1313



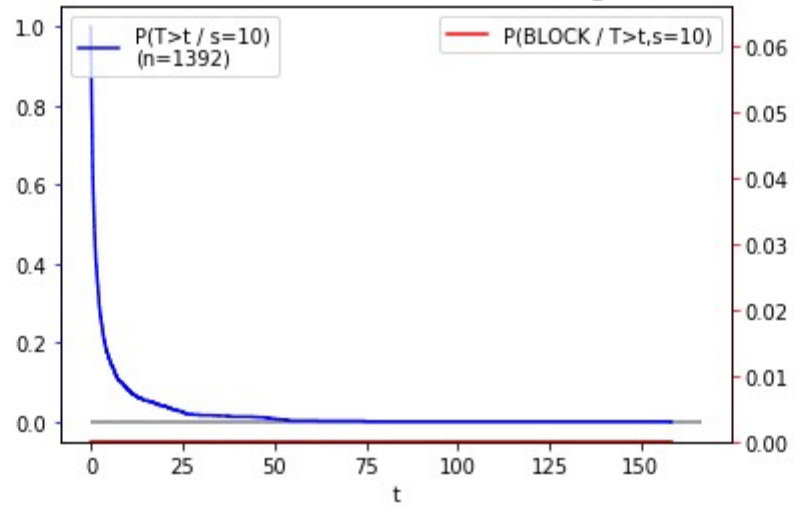
K=40, rhos=[0.7], N=800, activation size=10, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=110.8(n=515), multiplier=1, seed=1313



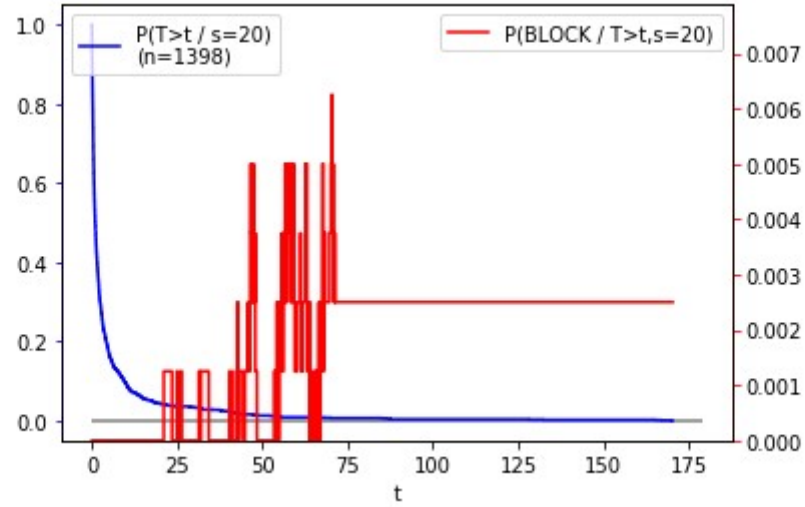
K=40, rhos=[0.7], N=800, activation size=10, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=115.0(n=494), multiplier=1, seed=1313



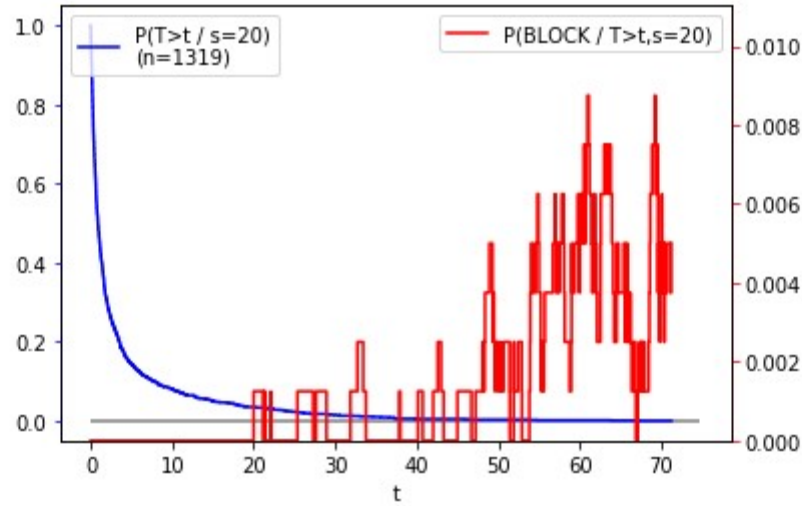
K=40, rhos=[0.7], N=800, activation size=10, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=110.8(n=514), multiplier=1, seed=1313



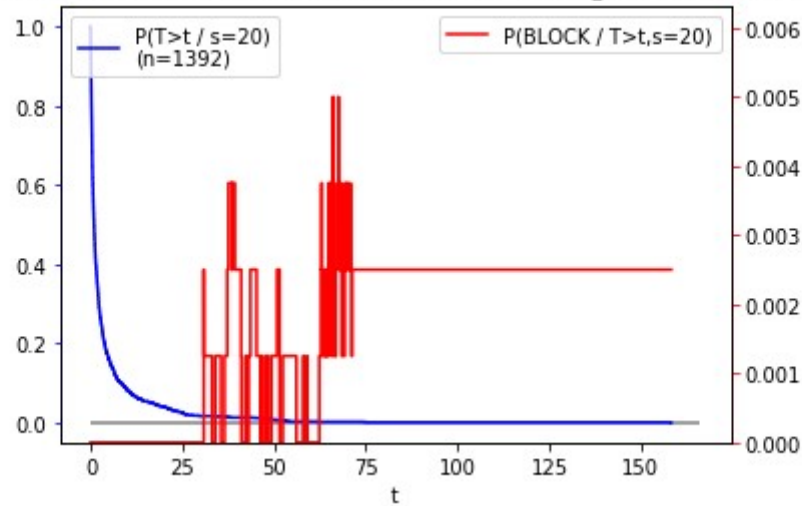
K=40, rhos=[0.7], N=800, activation size=20, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=8362.5(n=6), multiplier=1, seed=1313



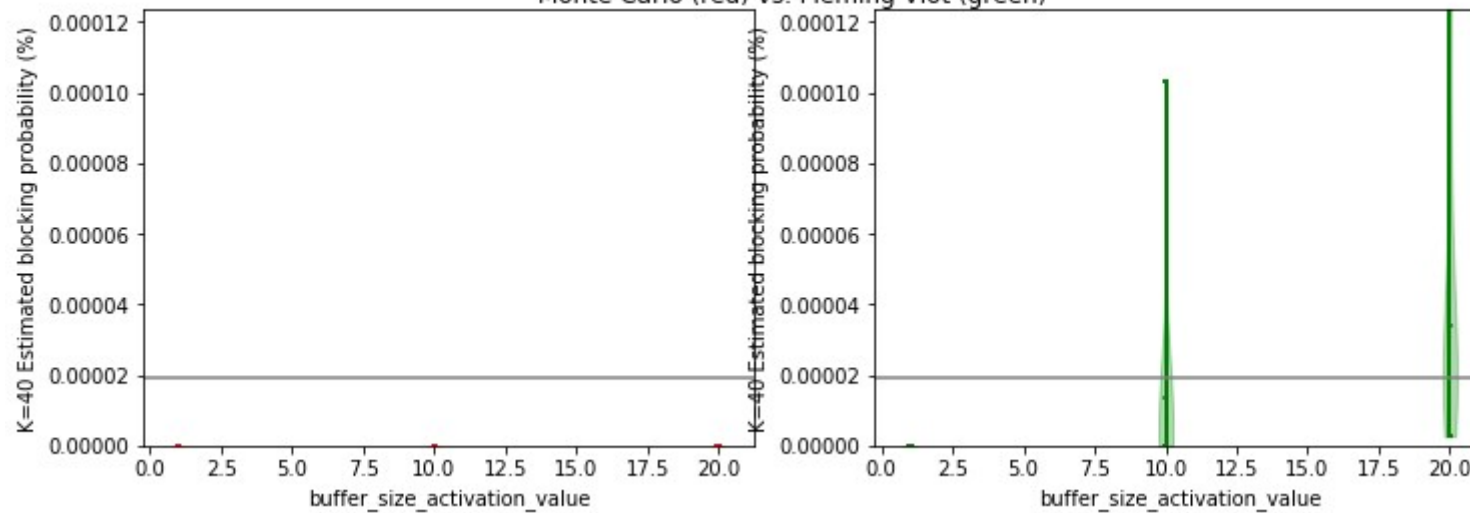
K=40, rhos=[0.7], N=800, activation size=20, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=2339.3(n=17), multiplier=1, seed=1313



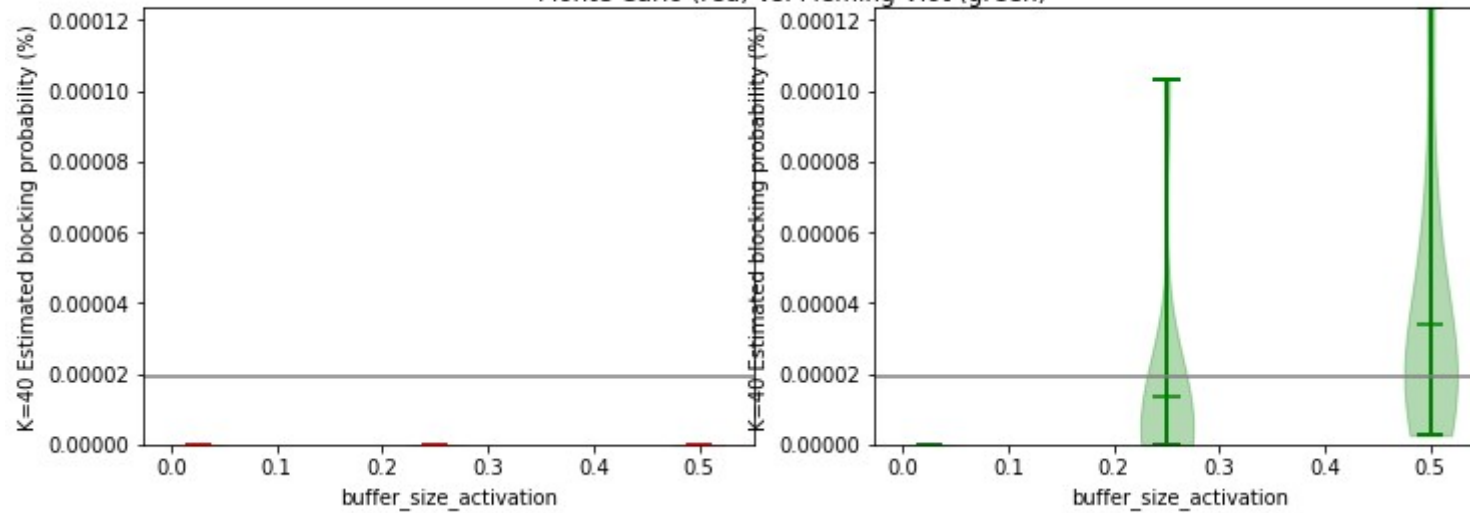
K=40, rhos=[0.7], N=800, activation size=20, maxtime(1)=57142.9, maxtime(N)=71.4, mean_lifetime=2366.9(n=23), multiplier=1, seed=1313



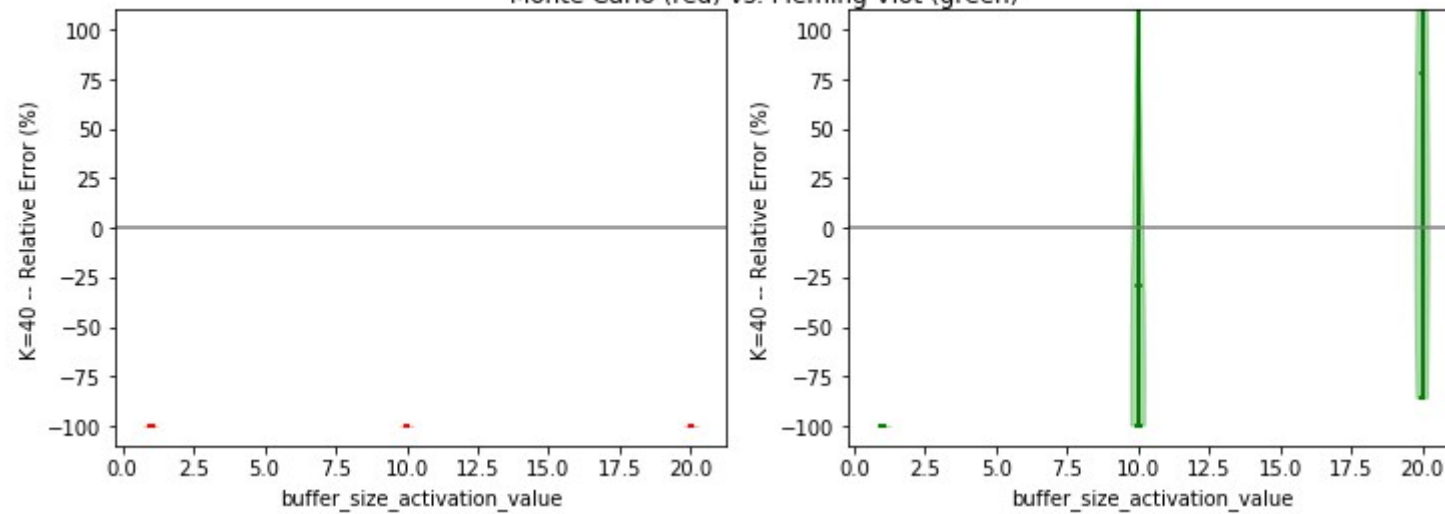
Distribution of blocking probability estimates of $\Pr(K=40) = 0.000019\%$ on 12 replications
Monte Carlo (red) vs. Fleming Viot (green)

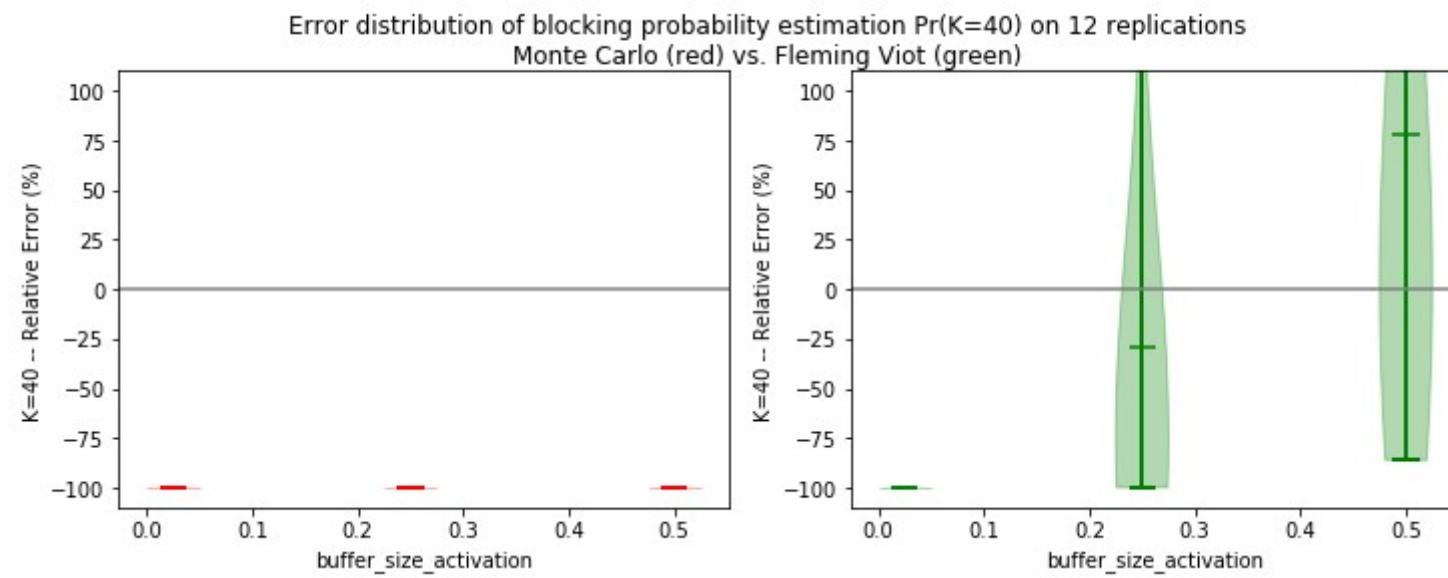


Distribution of blocking probability estimates of $\Pr(K=40) = 0.000019\%$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)



Error distribution of blocking probability estimation $\Pr(K=40)$ on 12 replications
 Monte Carlo (red) vs. Fleming Viot (green)





In [2]: