DragonWood

December 26, 2016

```
In [1]: %pylab inline
        import dwood
```

```
Populating the interactive namespace from numpy and matplotlib
```

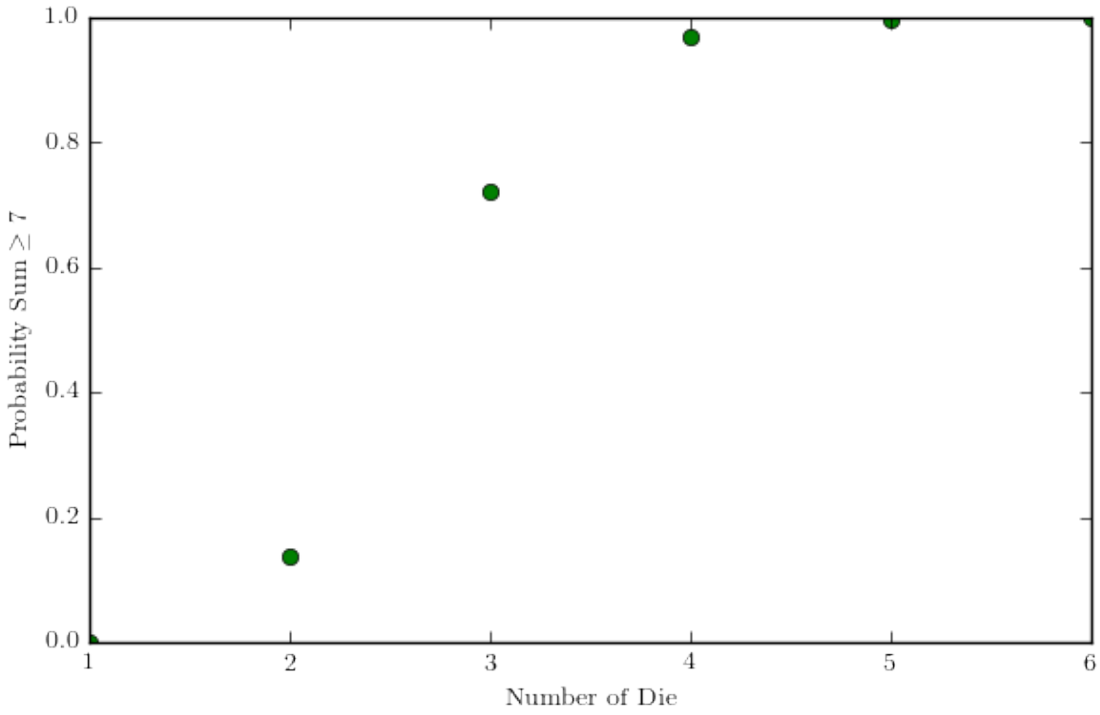
```
In [2]: dwood.get_num_die_thresh(T=10, CL=0.5)
```

```
Out[2]: 4
```

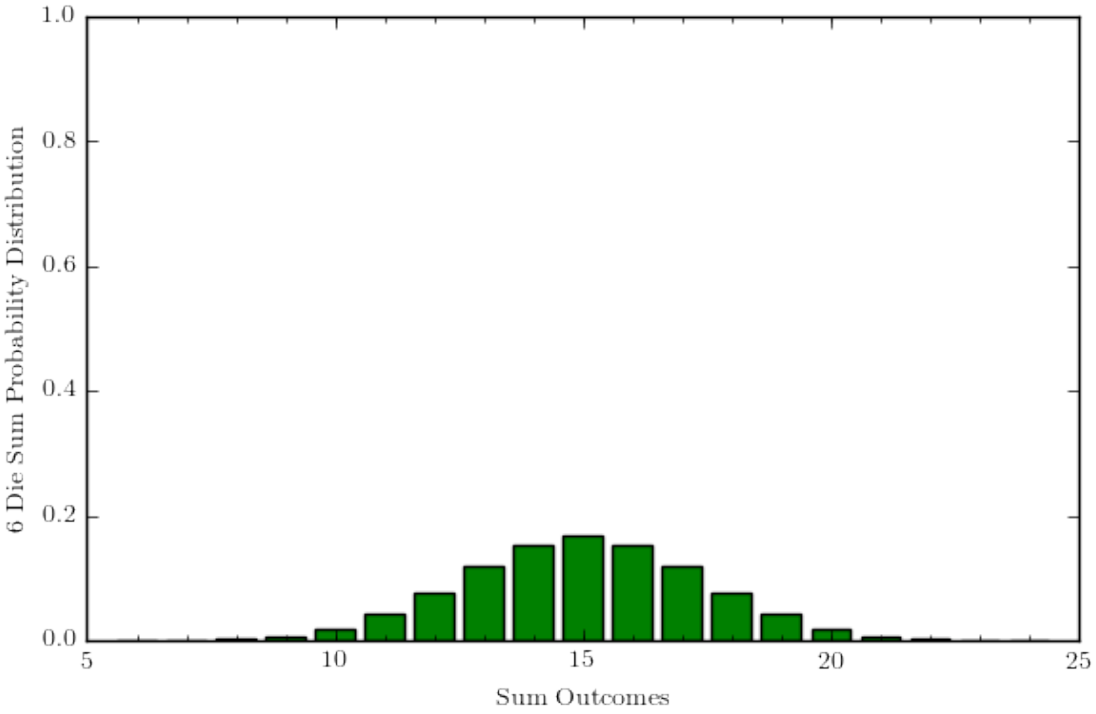
```
In [3]: dwood.sum_gt_thresh_prob(N=3, T=8)
```

```
Out[3]: 0.5
```

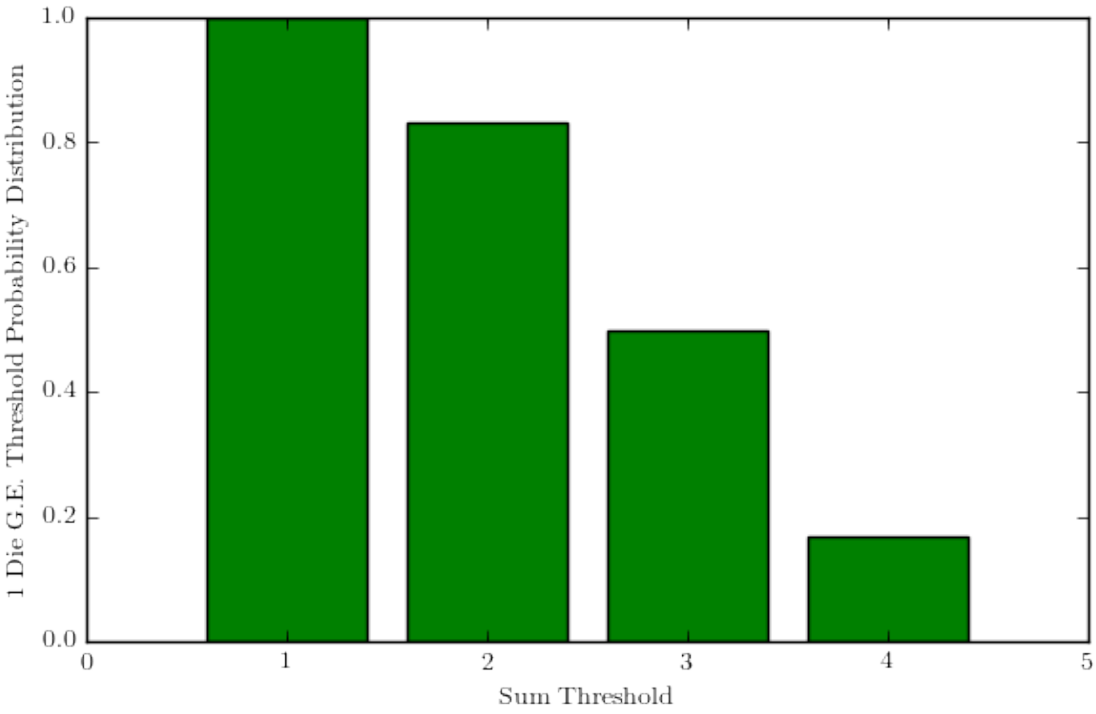
```
In [4]: dwood.plot_prob_vs_numdie(7)
```



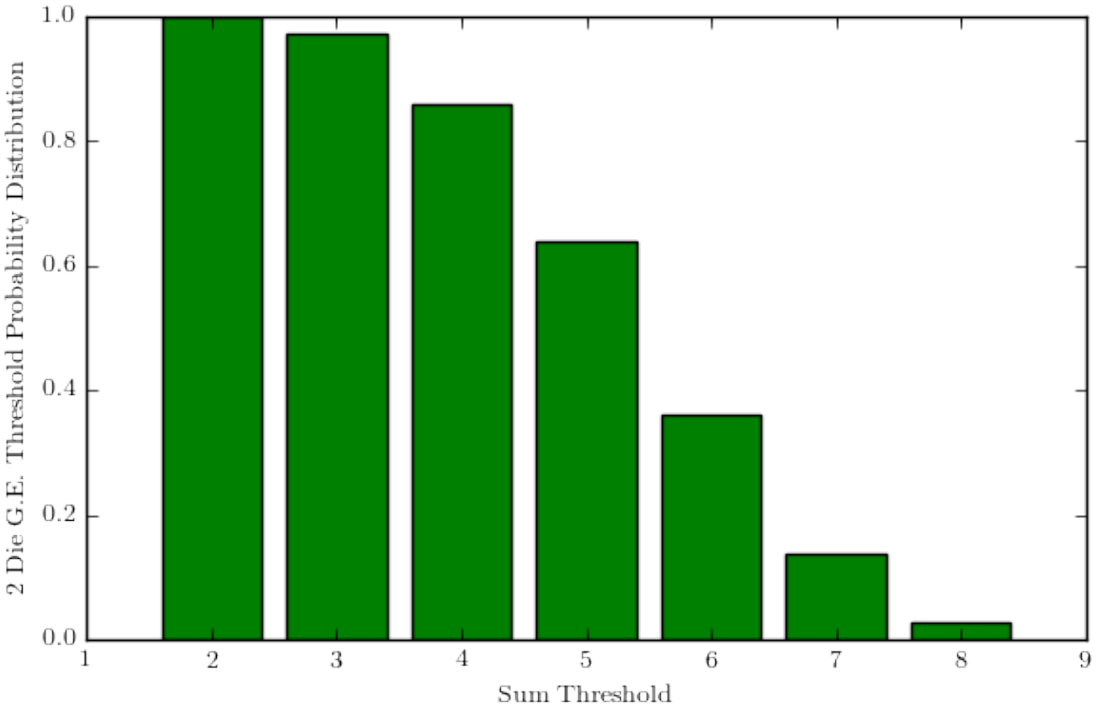
In [12]: dwood.plot_prob_vs_sum(6)



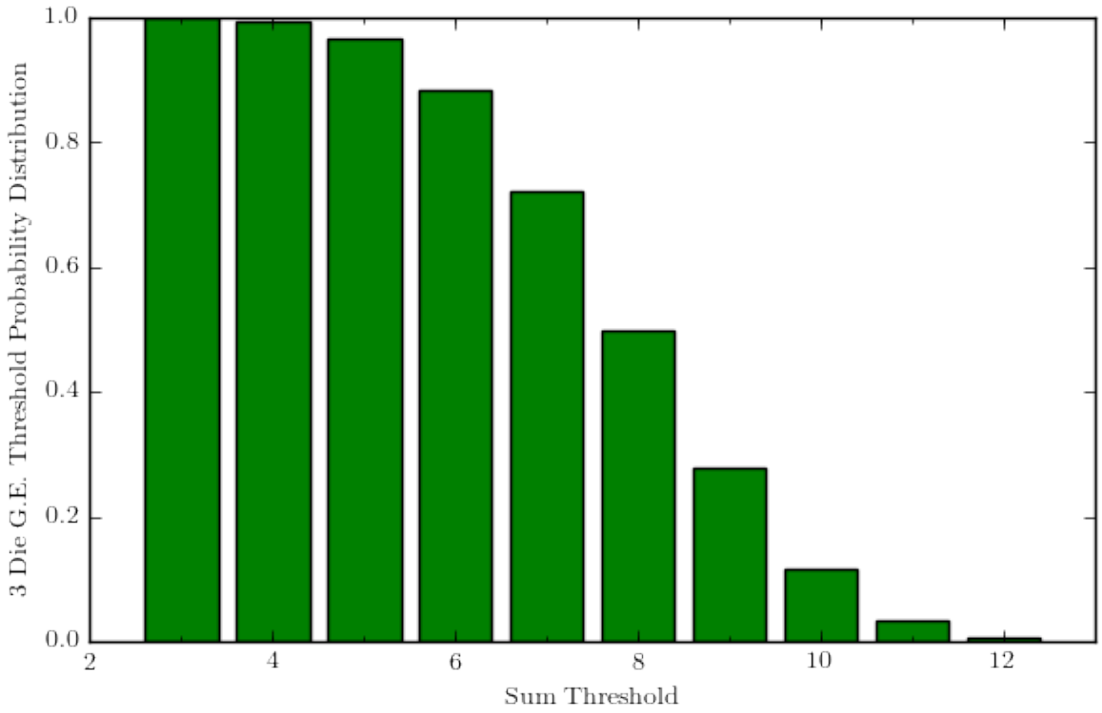
In [6]: dwood.plot_geprob_vs_thresh(N=1)



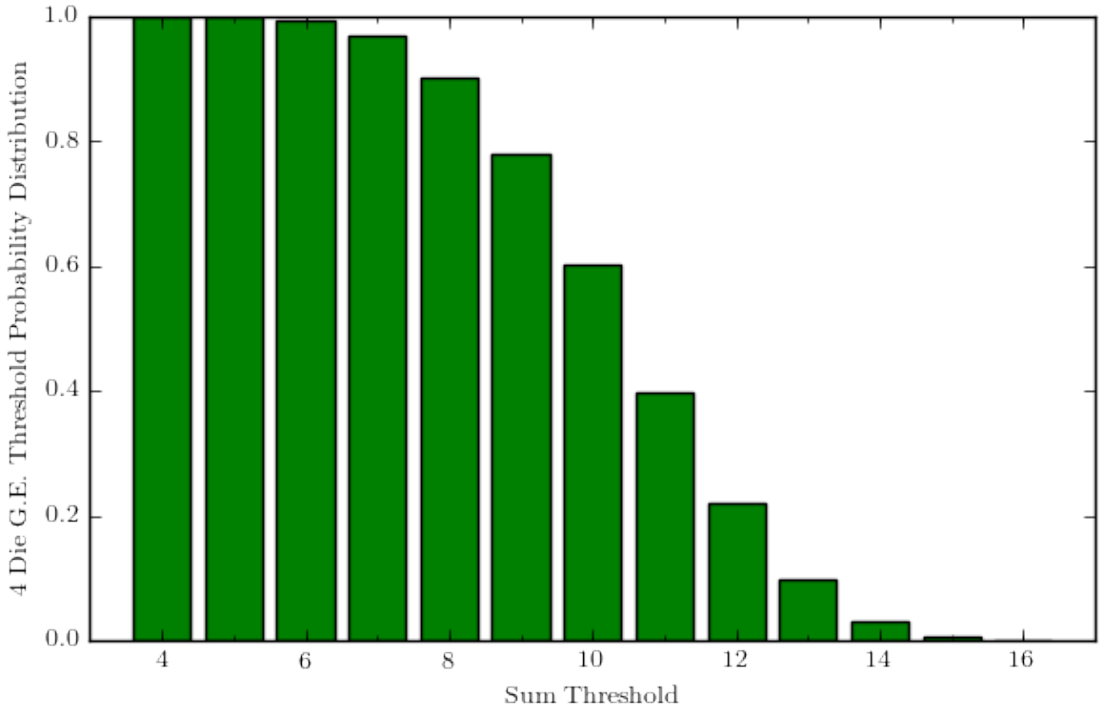
In [7]: dwood.plot_geprob_vs_thresh(N=2)



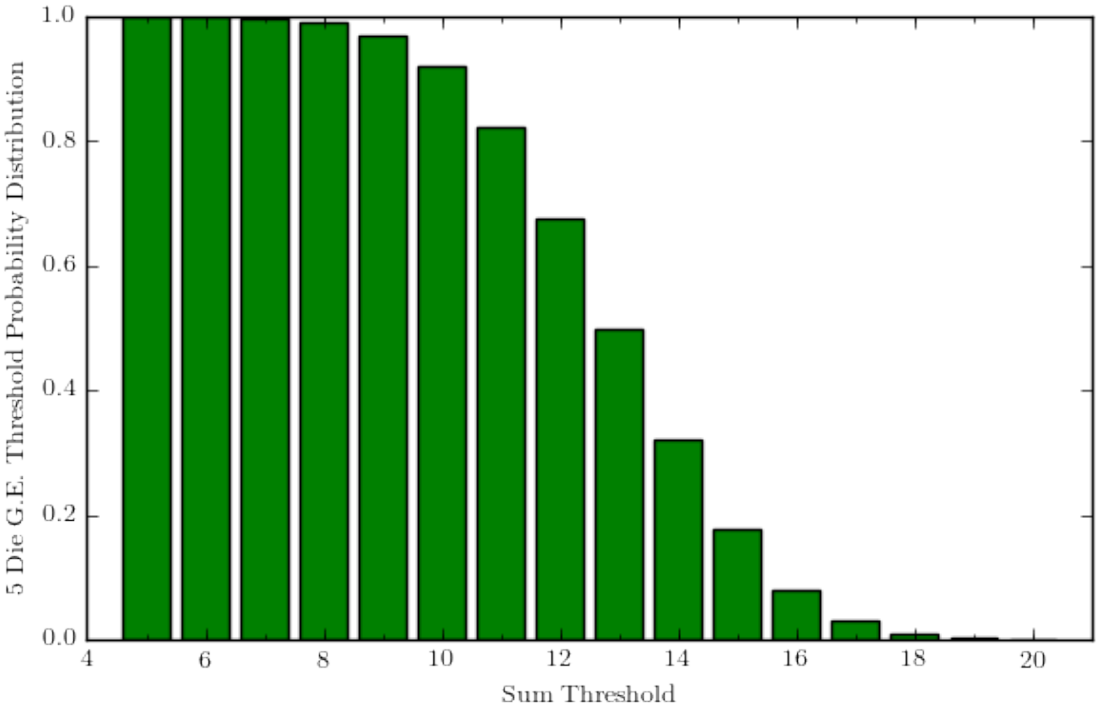
In [8]: dwood.plot_geprob_vs_thresh(N=3)



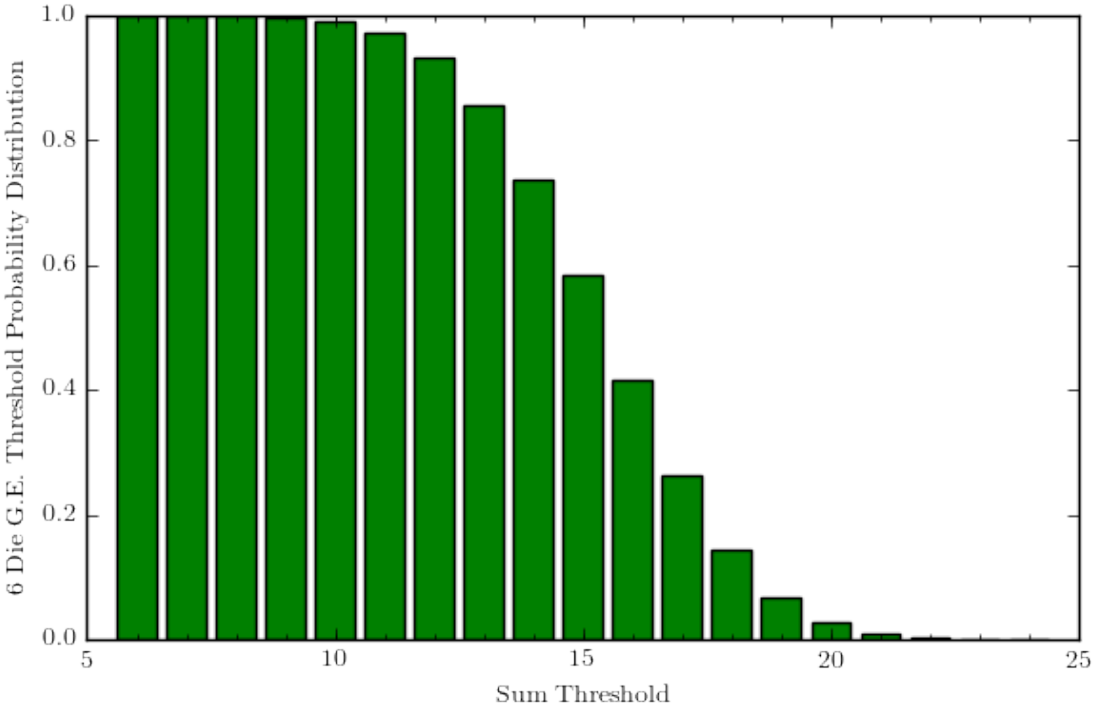
In [9]: `dwood.plot_geprob_vs_thresh(N=4)`



In [10]: dwood.plot_geprob_vs_thresh(N=5)



In [11]: dwood.plot_geprob_vs_thresh(N=6)


6 Die G.E. Threshold Probability Distribution
1.0
0.8
0.6
0.4
0.2
0.0
5
10
15
20
25
Sum Threshold