

Jupyter pvalue power Last Checkpoint: Last Tuesday at 3:53 PM (unsaved changes) Logout

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```
In [2]: from scipy.stats import binom
import scipy as sp

In [ ]: for trials in range(0,10000):
        for i in range(0,trials):
            if 1 - binom.cdf(i-1,trials,0.5) < 0.05:
                power = 1 - binom.cdf(i-1,trials,0.52)
                print(i,trials,power)
                if power > 0.8:
                    print (power,i,trials)
                    break
            else:
                break

7 8 0.0448239262302
8 9 0.0258745086092
9 10 0.0147890993009
9 11 0.0436111635025
10 12 0.0267022191709
10 13 0.0618728233806
11 14 0.0399263663537
12 15 0.0254018020669
12 16 0.0537247024262
13 17 0.0355980461963
13 18 0.0676459744109
```