

Raw data for Pólya's Recurrence Experiment

(Data points highlighted in red are considered as outliers and are excluded from analysis.)

population size		Occurrences for $S_{2n} = 0$	Approximation for π	Error
10		0	Null	Null
100		2	10.000000000000000	2.18309886183790
500		21	2.26757369614512	0.27820887486669
1000		36	3.08641975308641	0.01756207967966
5000		185	2.92184075967859	0.06994920033955
10000		361	3.06934415788706	0.02299741044409
15000		532	3.17994233704562	0.01220708337601
20000		718	3.10363823992675	0.01208126509325
25000		896	3.11403858418367	0.00877073269656
30000		1079	3.09214329335592	0.01574022022790
35000		1251	3.13098841470388	0.00337543407284
40000		1437	3.09932013507224	0.01345576055802
45000		1600	3.164062500000000	0.00715237425340
50000		1795	3.10363823992675	0.01208126509325
55000		1953	3.17234844760735	0.00978987329322
60000		2182	3.02449589634716	0.03727305547039
65000		2347	3.06803652379480	0.02341364330316
70000		2506	3.12100121719047	0.00655445777663
75000		2676	3.14202980152426	0.00013914850927
80000		2863	3.12318182932811	0.00586034737528
85000		3045	3.11690272621137	0.00785904797371
90000		3201	3.16208588752284	0.00652319896077
95000		3397	3.12835556213386	0.00421349707474
100000	2n = 500	3567	3.14379176969461	0.00070000039703