

# heads out of 1 tossed	Freq.	Percent	Cum.
0	5010	50.10	50.10
1	4990	49.90	100.00
Total	10000	100.00	

Variable	Obs	Mean	Std. Dev.	Min	Max
trials	10000	5000.5	2886.896	1	10000
heads	10000	.499	.500024	0	1
sumheads	10000	2501.286	1430.634	0	4990
avgheads	10000	.5047998	.0177767	0	.5938697

	trials	sumheads	pctheads
100.	100	58	58
200.	200	112	56
300.	300	175	58.33333
400.	400	216	54
500.	500	267	53.4
600.	600	311	51.83333
700.	700	362	51.71428
800.	800	416	52
900.	900	470	52.22222
1000.	1000	518	51.8
2000.	2000	1016	50.8
3000.	3000	1499	49.96667
4000.	4000	2013	50.325
5000.	5000	2515	50.3
6000.	6000	3006	50.1
7000.	7000	3469	49.55714
8000.	8000	3980	49.75
9000.	9000	4489	49.87778
10000.	10000	4990	49.9

	trials	heads	sumheads	pctheads
1.	1	0	0	0
2.	2	0	0	0
3.	3	1	1	33.33334
4.	4	1	2	50
5.	5	0	2	40
6.	6	1	3	50
7.	7	0	3	42.85714
8.	8	0	3	37.5
9.	9	0	3	33.33334
10.	10	0	3	30
11.	11	1	4	36.36364
12.	12	0	4	33.33334
13.	13	0	4	30.76923
14.	14	0	4	28.57143
15.	15	0	4	26.66667
16.	16	1	5	31.25
17.	17	0	5	29.41177
18.	18	1	6	33.33334
19.	19	1	7	36.84211
20.	20	0	7	35
21.	21	0	7	33.33334
22.	22	1	8	36.36364
23.	23	0	8	34.78261
24.	24	1	9	37.5
25.	25	1	10	40
26.	26	0	10	38.46154
27.	27	0	10	37.03704
28.	28	1	11	39.28571
29.	29	0	11	37.93103
30.	30	1	12	40
9971.	9971	1	4974	49.88467
9972.	9972	0	4974	49.87967
9973.	9973	0	4974	49.87466
9974.	9974	1	4975	49.87969
9975.	9975	1	4976	49.88471
9976.	9976	1	4977	49.88974
9977.	9977	0	4977	49.88474
9978.	9978	1	4978	49.88976
9979.	9979	1	4979	49.89478
9980.	9980	0	4979	49.88978
9981.	9981	0	4979	49.88478
9982.	9982	0	4979	49.87978
9983.	9983	0	4979	49.87479
9984.	9984	1	4980	49.87981
9985.	9985	1	4981	49.88483
9986.	9986	0	4981	49.87983
9987.	9987	1	4982	49.88485
9988.	9988	0	4982	49.87986
9989.	9989	1	4983	49.88487
9990.	9990	1	4984	49.88989
9991.	9991	0	4984	49.8849
9992.	9992	1	4985	49.88991
9993.	9993	1	4986	49.89492
9994.	9994	1	4987	49.89994
9995.	9995	0	4987	49.89495
9996.	9996	0	4987	49.88995
9997.	9997	1	4988	49.89497
9998.	9998	1	4989	49.89998
9999.	9999	1	4990	49.90499
10000.	10000	0	4990	49.9

Graph of average number of heads
from trial 1 to 10000 of 1 coins with $p(\text{head})=.5$

