Spreadsheet showing a Monte Carlo valuation of an Asian option.

	A	B	C	D	E	F	G	H	I
1	**Asset**	100		**Time**	**Sim 1**	**Sim 2**	**Sim 3**	**Sim 4**	**Sim 5**
2	**Drift**	5%		0	100.00	100.00	100.00	100.00	100.00
3	**Volatility**	20%		0.01	100.88	100.74	99.07	100.73	100.03
4	**Timestep**	0.01		0.02	103.01	98.50	100.73	101.71	98.72
5	**Int. rate**	5%		0.03	103.47	97.56	98.73	103.43	99.96
6				0.04	103.92	98.75	97.64	99.90	102.33
7				0.05	106.31	97.94	96.76	100.82	101.43
8				0.06	105.57	99.37	98.38	100.14	97.93
9									
10									
11				0.09	104.59	97.27	98.31	101.32	94.26
12				0.1	103.80	95.63	100.89	103.75	92.99
13				0.11	101.61	97.06	99.58	107.24	94.21
93				0.91	82.50	95.63	105.93	119.52	97.35
94				0.92	79.69	95.58	105.05	122.86	97.07
95				0.93	78.91	93.11	105.41	119.11	98.27
96				0.94	79.10	92.92	106.84	121.56	100.98
97				0.95	75.42	92.06	107.37	123.28	102.66
98						92.58	107.40	121.94	102.34
99				0.97	75.47	91.01	106.90	122.09	101.44
100				0.98	76.47	89.98			
101					77.47	87.15			
102				1	76.30	86.68	104.48	122.35	100.30
103									
104				**Average**	91.27	86.49	95.40	111.87	98.31
105									
106	**Strike**	105	**ASIAN**	**Payoff**	0.00	0.00	0.00	6.87	0.00
107			**Mean**	3.18					
108			**PV**	3.02					
109									
110									

= D3+$B$4

=E3*EXP(($B$5-0.5*$B$3*$B$3)*$B$4+$B$3*SQRT($B$4)*NORMSINV(RAND()))

=AVERAGE(E2:E102)

=AVERAGE(E104:IV104)

= MAX(G104-$B$104,0)

=D105*EXP(-$B$5*$D$102)