Micro Soft VaR Value at Risk Monte Carlo Simulation

Date	Adj Close	Return	Sorted Returns	Replication	Simulated Returns
10/13/2008	18.53		0.186045927	1	0.004575659
3/13/2020	151.50	7.176120	0.142168667	2	-0.01908959
11/21/2008	14.40	-0.904968	0.12264676	3	0.009732222
5/8/2002	16.82	0.168318	0.111178115	4	0.033752427
4/24/2009	15.40	-0.084337	0.105180025	5	0.02377568
4/24/2015	41.17	1.673123	0.104521919	6	0.02789787
4/9/2025	389.13	8.451458	0.101336866	7	0.006887772
10/23/2015	46.07	-0.881610	0.100770383	8	-0.031097398
10/26/2007	25.08	-0.455608	0.095029916	9	0.027678778
3/24/2020	141.50	4.641766	0.090895509	10	0.017832022
10/28/2008	16.79	-0.881369	0.0906517	11	0.001344819
3/10/2009	12.14	-0.276822	0.087788211	12	-0.011429238
3/17/2020	139.81	10.517095	0.082336664	13	0.000996625
11/10/2022	237.08	0.695785	0.082268108	14	0.015489722
5/1/2025	423.92	0.788086	0.076253544	15	-0.010201942
3/26/2018	86.82	-0.795201	0.075705318	16	0.037548605
7/24/2002	14.15	-0.837060	0.074866491	17	-0.006153462
3/23/2009	13.50	-0.045566	0.074443702	18	0.009435858
4/6/2020	157.64	10.675794	0.074367841	19	0.006214495
8/23/2013	28.67	-0.818146	0.072861926	20	0.012302284
4/26/2023	289.74	9.106576	0.07243473	21	-0.008610838
3/30/2020	152.84	-0.472499	0.070340492	22	-0.028397585
3/10/2020	153.49	0.004307	0.068384336	23	0.018696988
12/26/2018	94.26	-0.385876	0.068309931	24	-0.004390631
10/16/2008	17.58	-0.813527	0.067520073	25	0.016536323
9/30/2008	19.39	0.103349	0.067173358	26	-0.013007302
7/27/2022	261.66	12.491579	0.06685183	27	0.01724656
3/2/2020	164.82	-0.370114	0.066539232	28	0.024515817
10/27/2017	76.84	-0.533782	0.064118812	29	0.001171909
7/29/2002	14.76	-0.807856	0.063947641	30	-0.001929119
3/26/2020	148.91	9.085458	0.062551181	31	0.014254869
11/30/2022	249.65	0.676546	0.061623507	32	-0.028472736
4/23/2004	17.00	-0.931890	0.061271623	33	-0.012955567
10/15/2002	16.00	-0.058976	0.060864215	34	0.022139525

Calculation of Value at Risk - Tata Elxsi (Historical)

Historical Approach	
Mean	0.07%
Std Deviation	1.74%
Min	-14.7%
Max	18.6%
CMP	512.11

Monte Carlo Simulation	
Mean	0.07%
Std Deviation	1.76%
Min	1.76%
Max	6.66%
CMP	512.11

Percentile	Confidence	VAR %	Stock Price	VAR (USD)
5.0%	95%	-2.81%	497.7	14.4
1.00%	99.00%	-4.07%	491.3	20.85
0.50%	99.50%	-4.60%	488.5	23.57
10.00%	90.00%	-2.19%	500.9	11.19