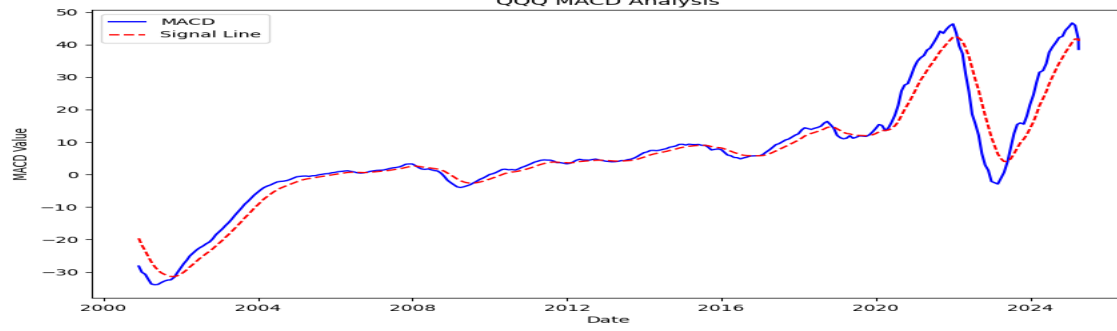


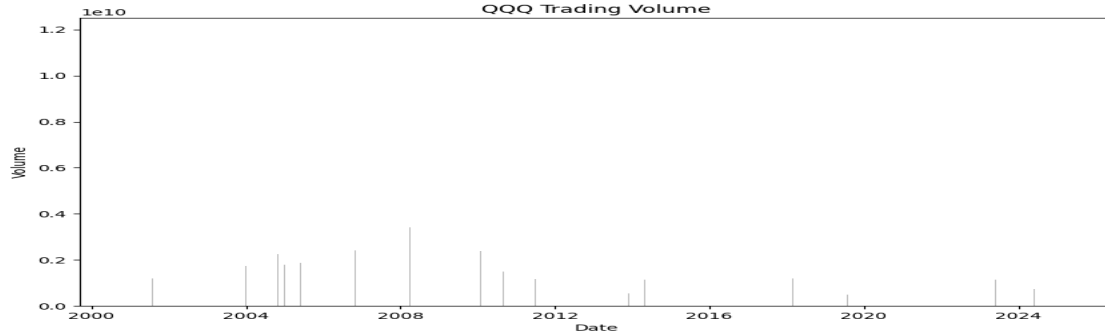
QQQ Bollinger Bands Analysis

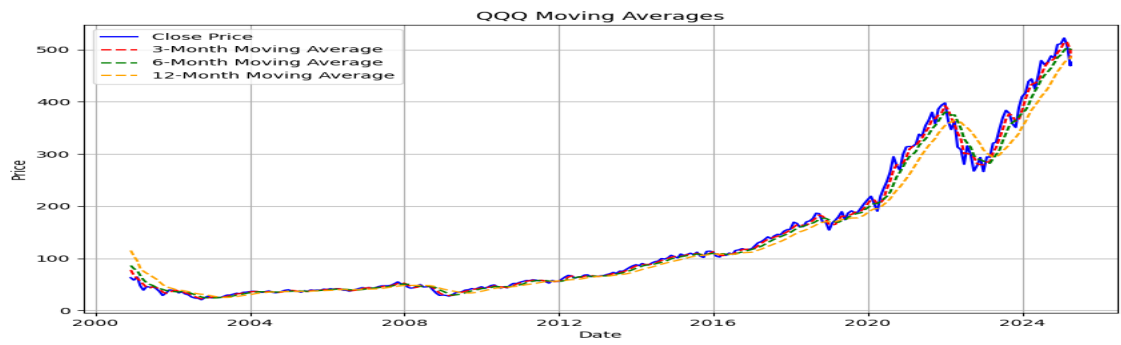


QQQ MACD Analysis



QQQ Trading Volume





index	open	high	low	close	volume	moving_avg_3	moving_avg_6	moving_avg_12	rolling_mean	rolling_std
count	294.000000	294.000000	294.000000	294.000000	294.000000	2.940000e+02	294.000000	294.000000	294.000000	294.000000
mean	146.500000	134.014515	140.219325	128.005474	135.141917	1.463359e+09	133.816440	131.743430	127.800000	127.800000
std	85.014705	128.666088	134.491549	123.361966	130.000813	1.097629e+09	128.334774	125.428644	119.211200	119.211200
min	0.000000	20.910000	24.350000	19.760000	20.720000	8.170594e+07	22.686667	24.116667	25.240833	25.240833
25%	73.250000	41.785000	43.437500	39.947500	41.782500	7.515041e+08	41.319667	40.948667	40.948958	40.948958
50%	146.500000	68.465000	70.655000	66.355000	68.365000	1.187778e+09	67.666667	68.052517	69.184592	69.184592
75%	219.750000	180.347500	187.527500	169.587500	184.257500	1.843683e+09	180.785833	174.874583	171.760000	171.760000
max	293.000000	514.300000	540.810000	509.290000	522.290000	1.191457e+10	514.420000	503.891667	487.131000	487.131000