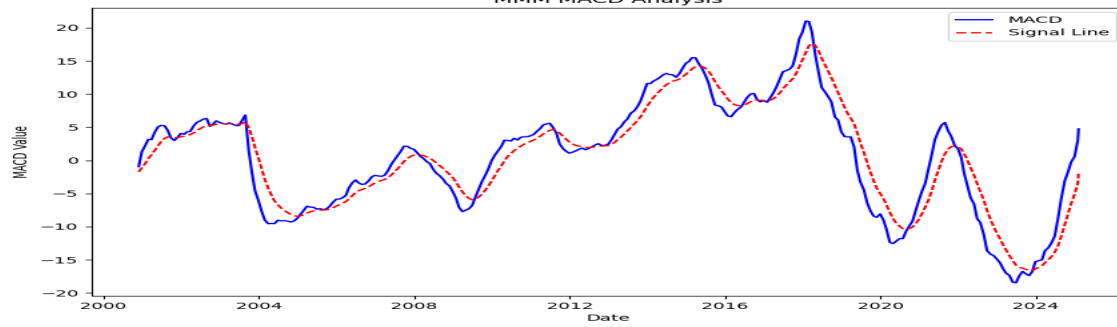


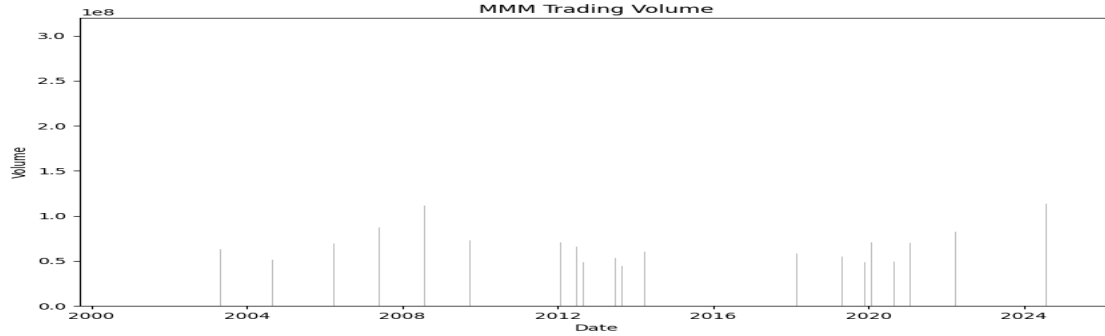
MMM Bollinger Bands Analysis

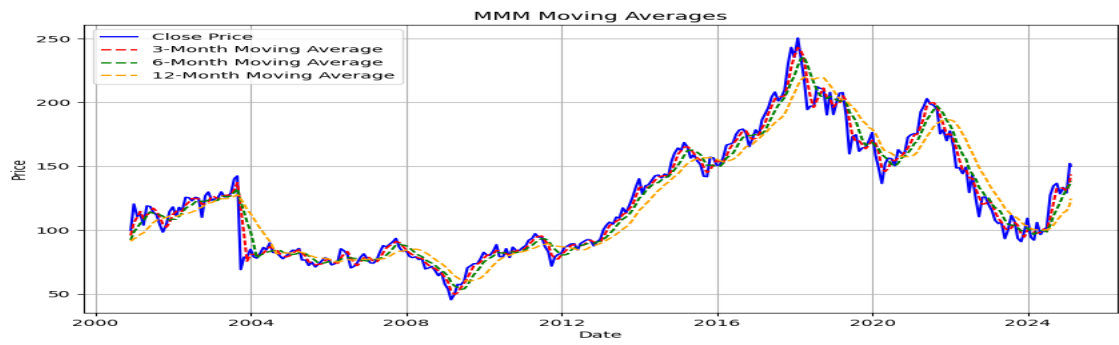


MMM MACD Analysis



MMM Trading Volume





| index | open | high | low | close | volume | moving_avg_3 | moving_avg_6 | moving_avg_12 | rolling_mean | rolling_std |
|-------|------------|------------|------------|------------|------------|--------------|--------------|---------------|--------------|-------------|
| count | 292.000000 | 292.000000 | 292.000000 | 292.000000 | 292.000000 | 292.000000 | 2.920000e+02 | 292.000000 | 292.000000 | 292.000000 |
| mean | 145.500000 | 122.490105 | 128.286246 | 116.481391 | 122.659932 | 6.679502e+07 | 122.468664 | 122.231221 | 121.820000 | 121.820000 |
| std | 84.437354 | 44.754611 | 46.434068 | 43.089875 | 44.664421 | 3.075600e+07 | 44.277917 | 43.947079 | 43.378057 | 43.378057 |
| min | 0.000000 | 44.550000 | 51.130000 | 40.870000 | 45.460000 | 1.562532e+07 | 49.656667 | 53.535000 | 60.236667 | 60.236667 |
| 25% | 72.750000 | 83.930000 | 87.777500 | 80.112500 | 83.970000 | 4.869602e+07 | 83.414167 | 82.927500 | 84.065833 | 84.065833 |
| 50% | 145.500000 | 112.245000 | 121.175000 | 106.935000 | 113.190000 | 6.154065e+07 | 113.643333 | 111.562500 | 110.900000 | 110.900000 |
| 75% | 218.250000 | 156.970000 | 164.087500 | 150.220000 | 156.652500 | 7.547796e+07 | 156.517500 | 157.234167 | 157.150000 | 157.150000 |
| max | 291.000000 | 247.440000 | 259.770000 | 234.280000 | 250.500000 | 3.046284e+08 | 243.003333 | 235.705000 | 219.840000 | 219.840000 |