Stock Market Signal Processing
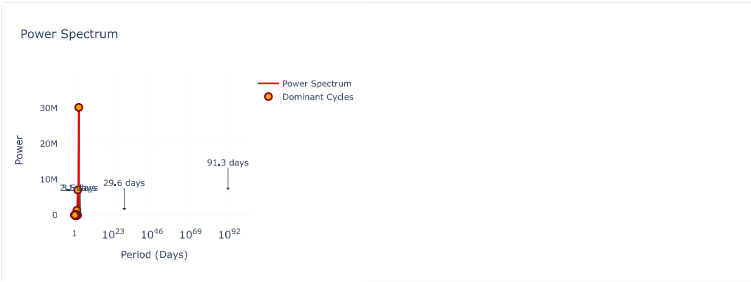
Analysis Results

Combined Visualization

Power Spectrum

Dominant Cycles

The analysis identified the following dominant cycles in the stock price data:

Rank	Period	Relative Strength
1	1.0 years	100.0%
2	3.0 months	23.4%
3	29.6 days	4.5%
4	3.8 days	0.0%
5	2.8 days	0.0%

Interpretation Guide

Time Series

The time series plot shows the historical stock prices over time. Look for visual patterns that might indicate cyclical behavior.

Power Spectrum

The power spectrum plot shows the strength of different cycles in the data. Peaks indicate dominant cycles – the higher the peak, the stronger the cycle.

Dominant Cycles

These are the most significant cyclical patterns detected in your data. The period represents the length of the cycle, and the power indicates its strength.