Time Series Statistical Features

Basic Statistics

Mean	Median	Std Dev

Basic statistical properties of the signal

Amplitude Variations

Min	Max	Range

Capture the extent of signal variations

Autocorrelation

Measures signal's correlation with itself at different time lags

Spectral Features

Dominant Frequency	Spectral Entropy

Frequency domain characteristics

Temporal Patterns

Trend	Seasonality	Cyclic Components

Rolling Window Statistics

- Moving average
- Exponential smoothing

Domain-Specific Features

- Peak detection
- Zero-crossing rate