

# Data Smoothing Techniques

METHOD	DESCRIPTION
<b>Moving Average Method</b>	Calculates the Average of a Set Number of Data Points to Create a Smoothed Series
<b>Exponential Smoothing Method</b>	Assigns Exponentially Decreasing Weights to Data Points, Giving More Importance to Recent Observations in Forecasting
<b>Weighted Moving Average Method</b>	An Improvement on the Simple Moving Average Method, Assigns Specific Weights to Each Data Point Based on Recency
<b>Kernel Smoothing Method</b>	Applies a 'Kernel' Function to Each Data Point, Assigning Weights Based on Distance to Create a Flexible Smoothing Method
<b>Polynomial Regression Smoothing</b>	Uses Polynomial Regression to Fit a Curve to the Data Points, Suitable for Data With Complex Underlying Patterns

# Smoothing Techniques In Theory With Implementation In S

**Yury A. Kutoyants**



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