

# Time Series: Line Graph & Area Chart

Visualizing Trends and Changes Over Time

## Single Line

## Multiple Lines

## Stacked Area



### Features

#### Line Graph

- Sequential continuity
- Trend comparison

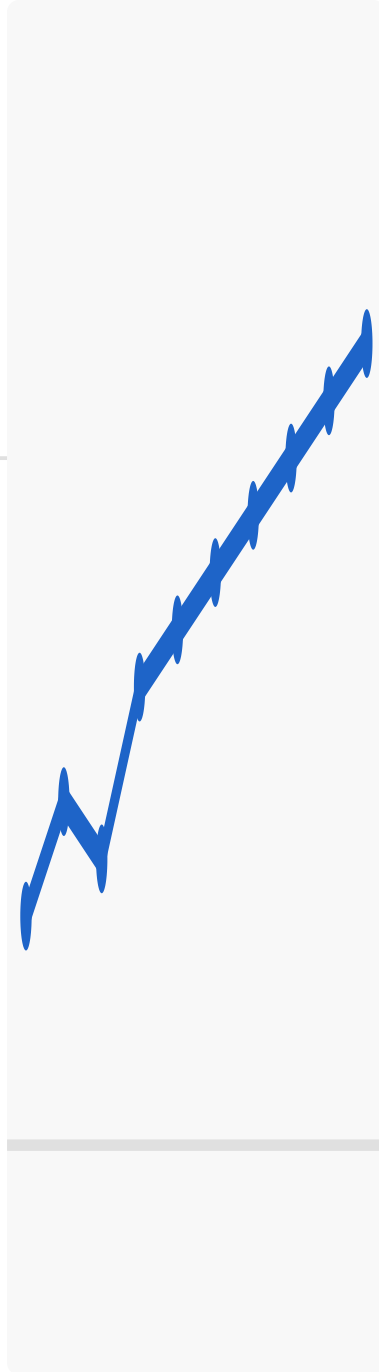
#### Area Chart

- Emphasizes magnitude
- Shows composition

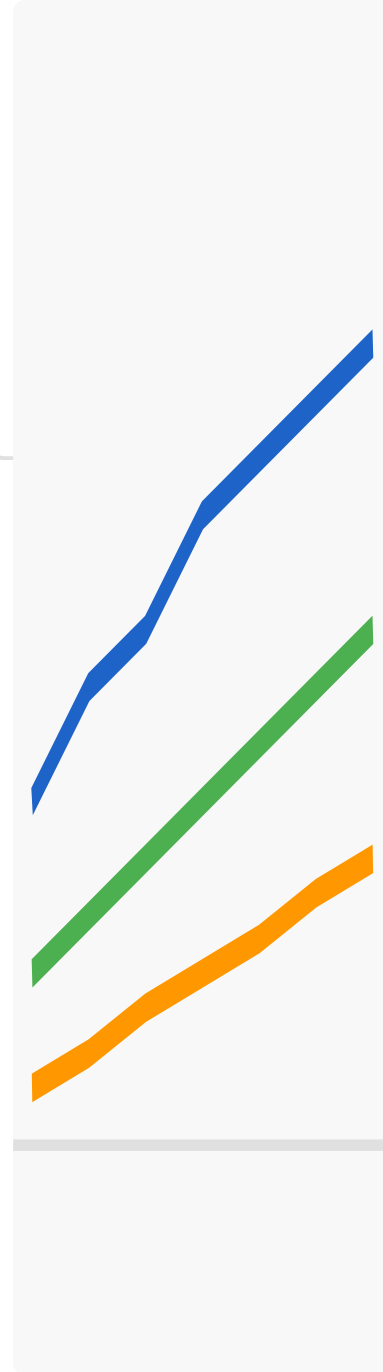


### Best Practices

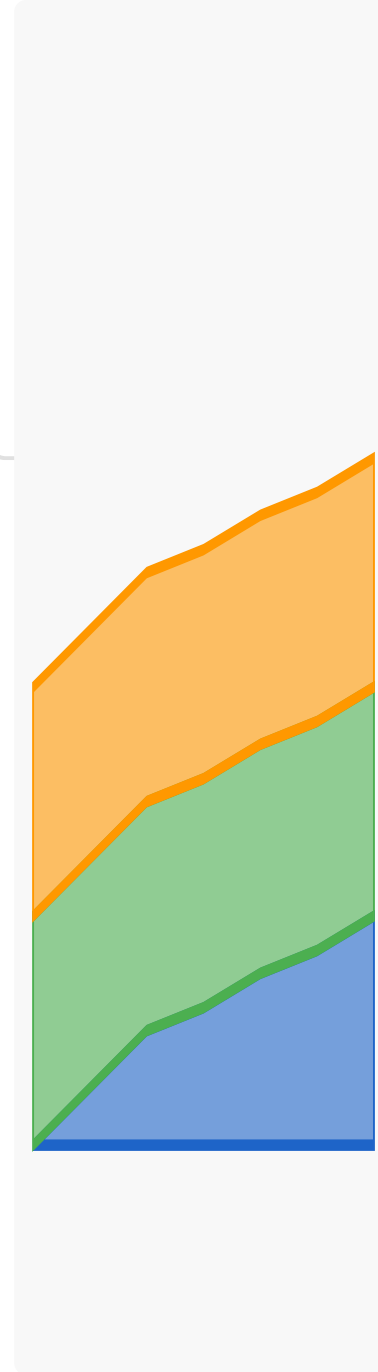
- Distinct colors for lines
- Add reference lines
- Appropriate granularity



Shows continuous trend over time



Compares multiple trends with distinct colors



Shows composition changes over time

▶ Avoid over/undersampling

### When to Use

- ✓ Trend analysis
- ✓ Forecasting
- ✓ Seasonal patterns
- ✓ Change over time