

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

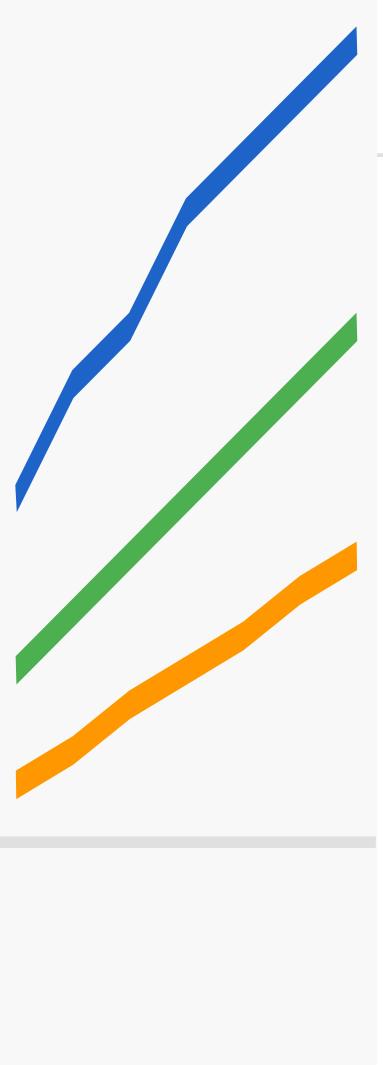


Best Practices

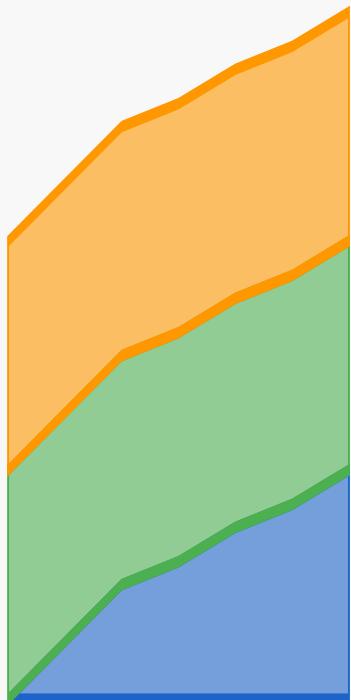
- ▶ Distinct colors for lines
- ▶ Add reference lines
- ▶ Appropriate granularity



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