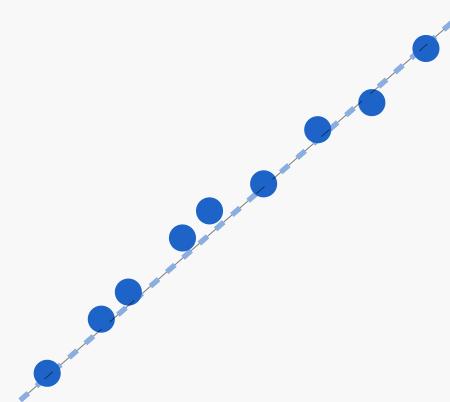


2D Relationships: Scatter Plot & Bubble Chart

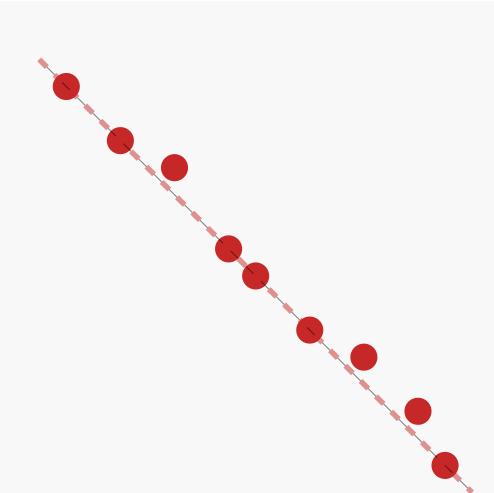
Exploring Relationships Between Continuous Variables

Positive Correlation



Strong Positive ($r \approx +0.9$)

Negative Correlation



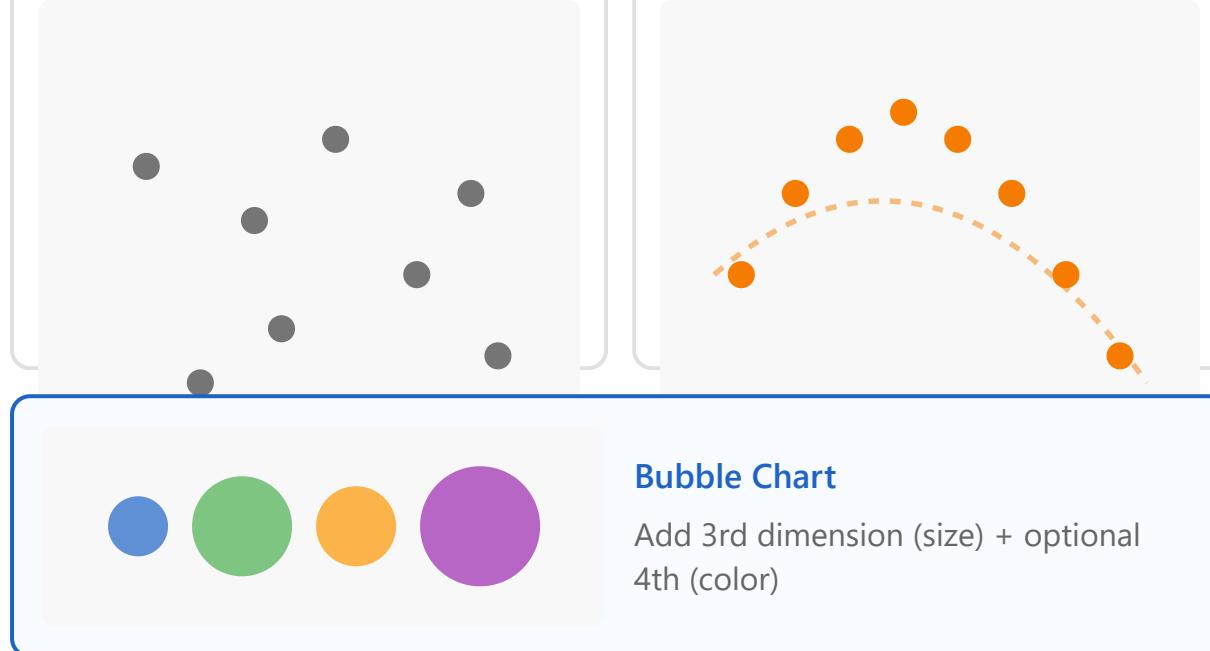
Strong Negative ($r \approx -0.9$)

No Correlation

Non-linear Pattern

Key Features

- Reveals correlation & clusters
- Identifies outliers
- Shows non-linear patterns
- Add trend lines for clarity



Best Practices

- ▶ Use alpha transparency
- ▶ Try hexbin for large data
- ▶ Annotate key points

When to Use

- ✓ Correlation analysis
- ✓ Trend detection
- ✓ Multivariate exploration