

Main Title

Subtitle or Description

Additional Information

Beamer Template Collection

28 Professional Slide Layouts with Madrid Theme

Template System

Academic & Professional Presentations

December 7, 2025

1 Content Layouts

2 Visual Layouts

3 Comparisons and Analysis

4 Specialized Formats

5 Data Visualization

6 Multi-Chart Layouts

Content Layouts

Left Column Header

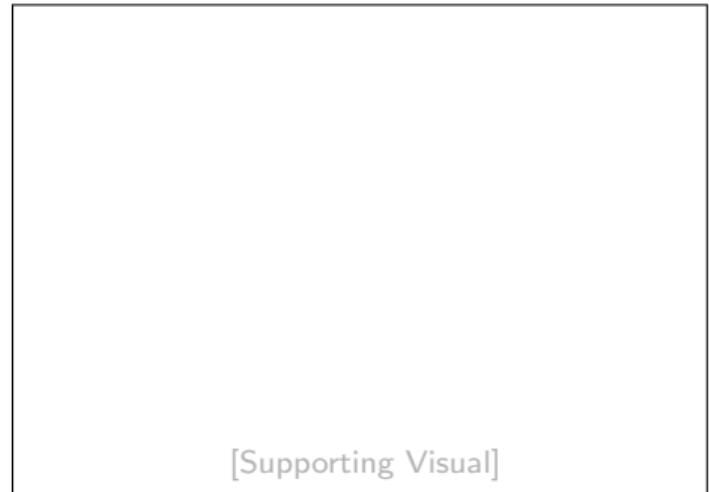
Main content for the left side.

Key points:

- First key point
- Second key point
- Third key point

Right Column Header

Supporting content for the right side.



[Supporting Visual]

Key takeaway in one sentence

Definition

A mathematical concept defined:

$$f(x) = ax^2 + bx + c$$

Properties:

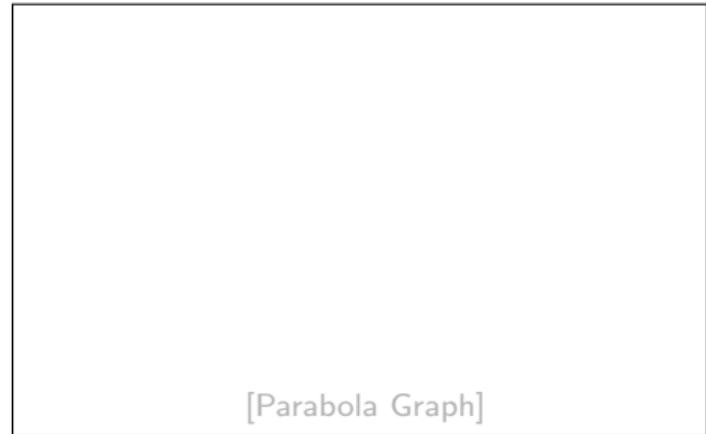
- Property: $a \neq 0$
- Vertex: $x = -\frac{b}{2a}$
- Discriminant: $\Delta = b^2 - 4ac$

Example

Specific instance:

$$f(x) = 2x^2 + 3x + 1$$

Result: Minimum at $x = -\frac{3}{4}$



Theory paired with visual example

Approach A



[Visual: Method A]

- Key characteristic 1
- Key characteristic 2

Use visuals to show differences

Approach B

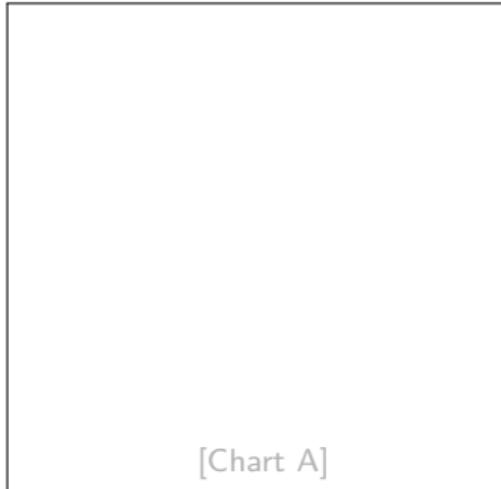


[Visual: Method B]

- Key characteristic 1
- Key characteristic 2

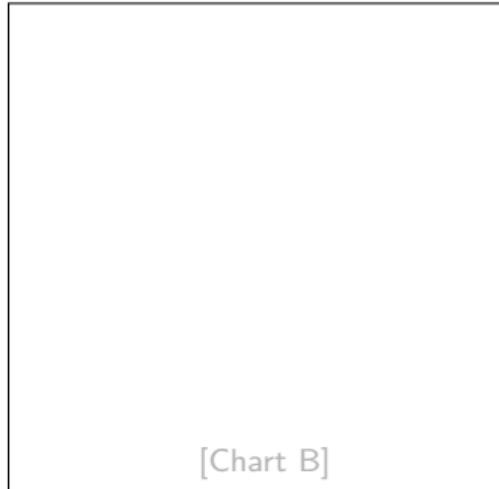
Three-Way Visual Comparison

Category A



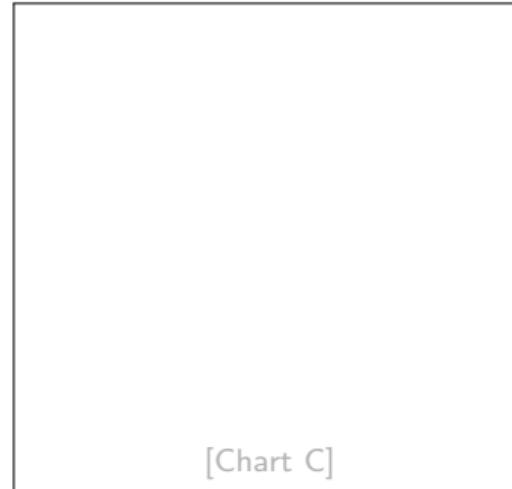
[Chart A]

Category B



[Chart B]

Category C



[Chart C]

- Point 1
- Point 2

- Point 1
- Point 2

- Point 1
- Point 2

Three-way comparisons need strong visuals

Visual Layouts

Main Topic Introduction

Key concepts:

- Concept one with brief explanation
- Concept two with additional details



[Image/Chart Placeholder]

Visuals complement textual content

Mixed Media Layout

Text Content

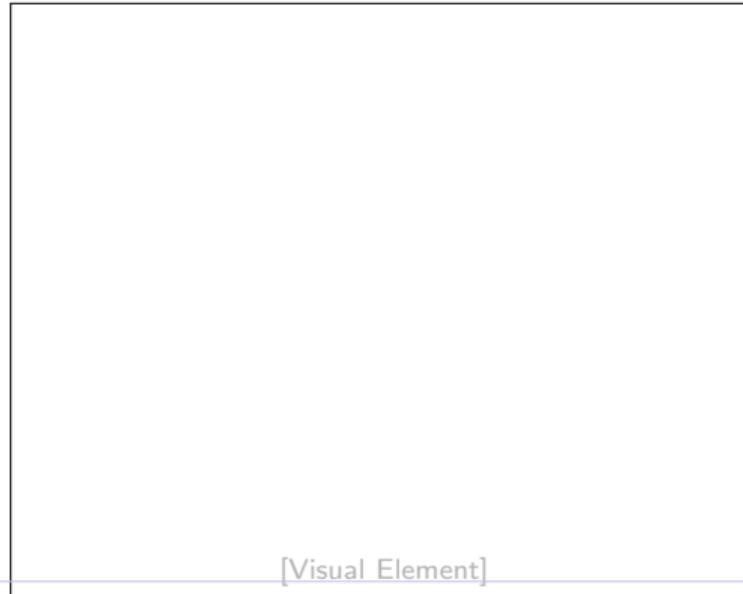
Explanation of concept.

Important points:

- First observation
- Second observation
- Third observation

Formula: $E = mc^2$

Combine text and visuals



Comparisons and Analysis

Definition and Example

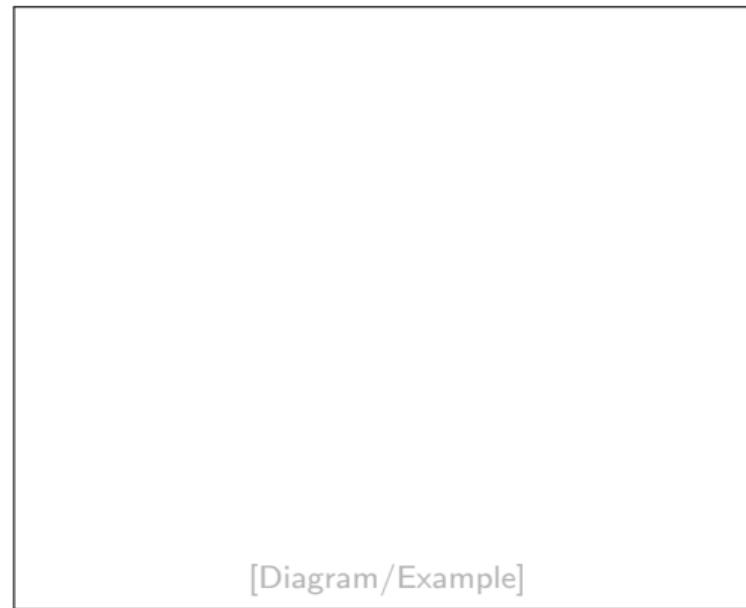
Definition

Formal statement of concept.

Key Properties

- Essential property 1
- Essential property 2

Visual Example

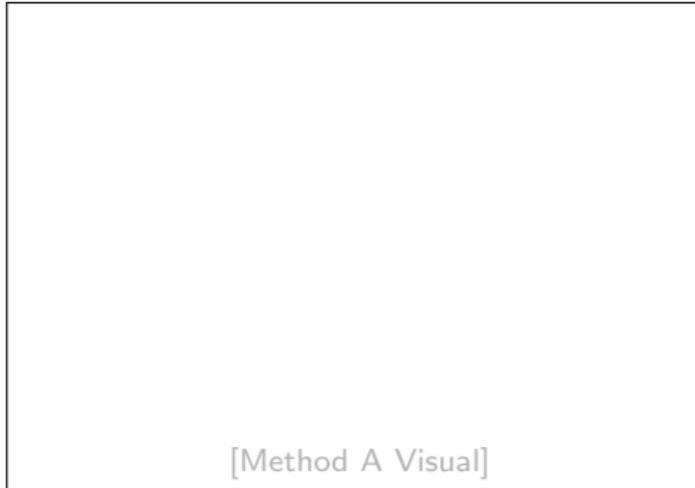


[Diagram/Example]

Result: Verified

One clear example beats multiple confusing ones

Method A



[Method A Visual]

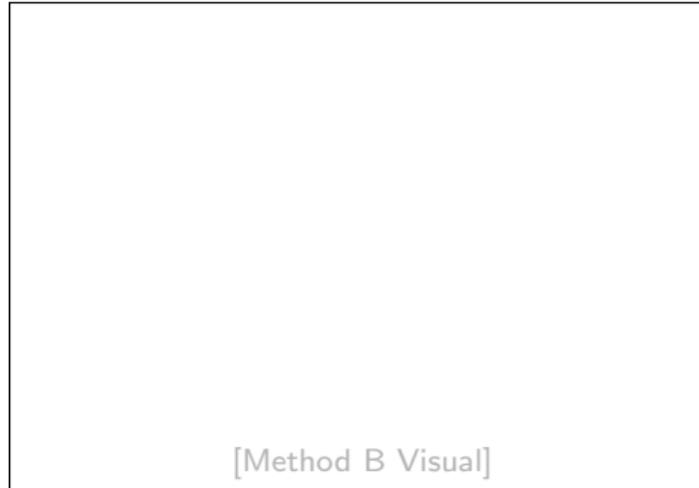
Strengths

- Top advantage 1
- Top advantage 2

Limitation: Key constraint

Focus on the most important trade-off

Method B



[Method B Visual]

Strengths

- Top advantage 1
- Top advantage 2

Limitation: Key constraint

Process Flow

[Process Flow Diagram: Input -> Step 1 -> Step 2 -> Output]

Input: Data source

Process: Main action

Output: Result

Process flows must be visual

Category 1

$$a + b = c$$
$$x^2 + y^2 = r^2$$

Category 2

$$\int_a^b f(x) \, dx$$

$$\sum_{i=1}^n i = \frac{n(n+1)}{2}$$

Category 3

$$\nabla \times \vec{F} = 0$$
$$E = \hbar\omega$$

[Formula Visualization/Diagram]

Quick reference formulas by category

Key Concepts

- Main idea 1
- Main idea 2
- Main idea 3

Applications

- Real-world use 1
- Real-world use 2
- Next steps / Further reading

[Summary Dashboard]

Summaries consolidate learning

Specialized Formats

Question and Answer Format

Q1: What is the main purpose?

Answer explaining the primary goal.

Q2: How does it work?

Brief explanation of the mechanism.

Q3: When should it be used?

Scenarios for application.



Anticipating questions improves comprehension

Thank you

Questions?

contact@example.com

Course Roadmap

[Visual Roadmap: Foundations -> Intermediate -> Advanced -> Applications]

Part 1: Foundations

Part 2: Intermediate

Part 3: Advanced

Part 4: Applications

Roadmaps should be visual journeys

Code Example Layout

Input Code

```
def function(x):
    if x > 0:
        return x * 2
    else:
        return -x
```

Explanation

Doubles positive, negates negative.

Output: 10

Examples

- $f(5) = 10$
- $f(-4) = 4$
- $f(0) = 0$

[Function Plot]

Code with visual output

Key Trade-offs

Strengths

- + Most important benefit
- + Second key benefit
- + Third key benefit

Limitations

- Most important drawback
- Second key drawback
- Third key drawback



Recommendation: One sentence guidance

Project Timeline

[Gantt Chart: Phases 1-4 with milestones]

Key Milestones: Prototype (Week 6), Beta (Week 15), Launch (Week 18)

Generate timeline charts using Python

Primary Sources

- Author (2024): *Main Title*
- Researcher (2023): *Key Paper*
- Expert (2023): *Foundation*

Online Resources

- Official documentation
- Video tutorials
- Community forums



[QR Code to Resources]

Curated resources accelerate learning

Data Visualization

Full-Size Chart Layout

[Full-Size Chart/Visualization]

Key insight from the visualization

[Main Chart/Visualization]

Key Observations:

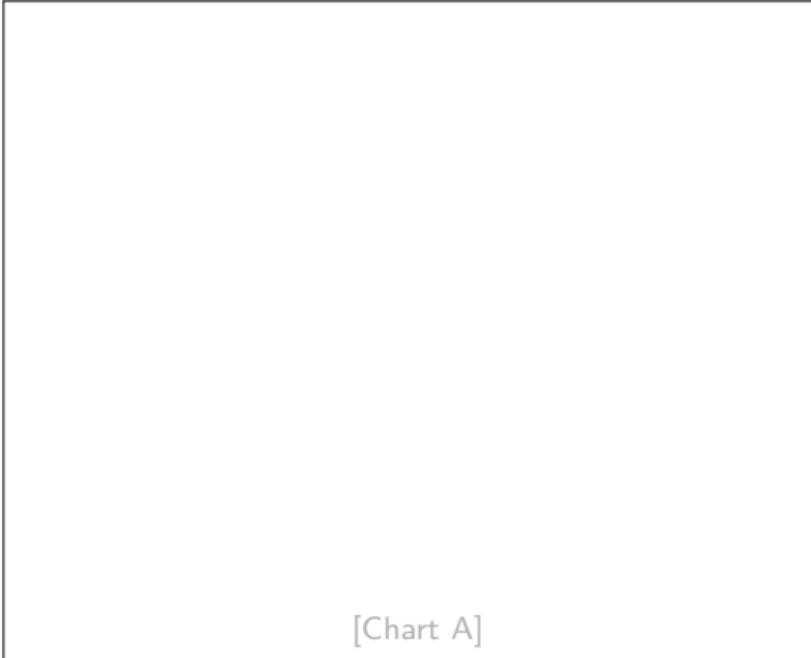
- Trend 1: First pattern or insight
- Trend 2: Second pattern or insight
- Trend 3: Third pattern or insight

Methodology notes about the data

Multi-Chart Layouts

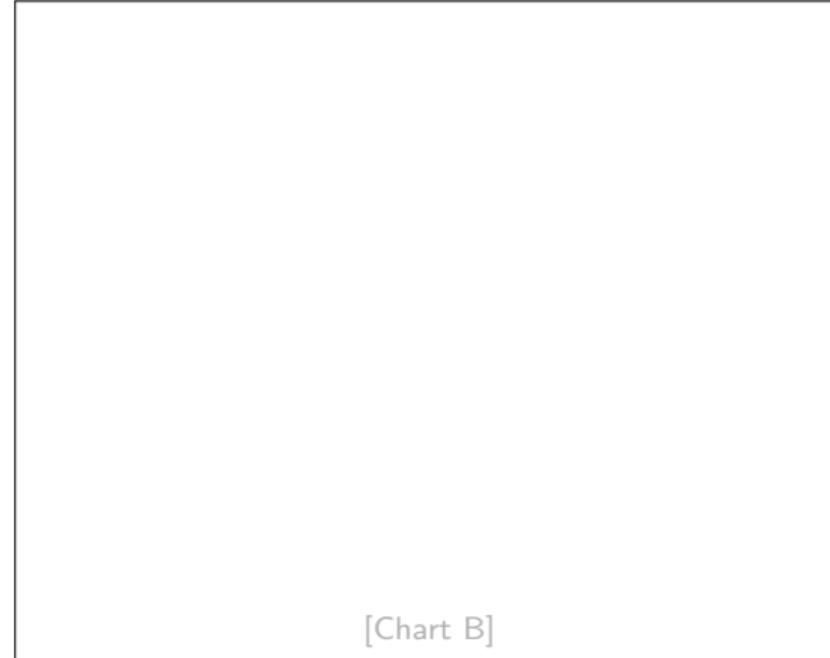
Dual Chart Comparison

Chart A Title



[Chart A]

Chart B Title



[Chart B]

Direct visual comparison of two related visualizations

Multi-Panel Chart Grid

Panel A



[Chart A]

Panel B



[Chart B]

Panel C



[Chart C]

Panel D



[Chart D]

Small multiples pattern for comprehensive overview

Top: Overview Metric

[Chart 1: Primary Visualization]

Bottom: Detail Breakdown

[Chart 2: Detailed Analysis]

Hierarchical: overview followed by detail

Chart with Supporting Data

Key Statistics

Metric	Value
Mean	42.5
Median	41.2
StdDev	8.3
N	1,250

Legend

- Series A
- Series B

[Main Visualization]

Combine visualization with quantitative summary

Three-Way Visual Comparison

Scenario 1

Scenario 2

Scenario 3

[Chart 1]

[Chart 2]

[Chart 3]

Insight: Key differences across scenarios

Side-by-side enables pattern recognition

Before/After Analysis

Before: Baseline

After: Post-Intervention

[Before State]

[After State]

Metric A: 45.2

Metric B: 23.8

Visualizing change reveals intervention effectiveness

Metric A: 52.7 (+16.6%)

Metric B: 19.3 (-18.9%)