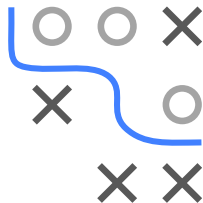# Custom Itemize Environments Demo
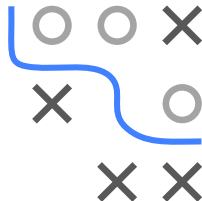
Custom Itemize Demo
Customizable Itemize Environments for Better Slides

Learning goals

- Compact spacing
- Standard spacing
- Large spacing
- Fill spacing
- Font size control

CUSTOM ITEMIZE ENVIRONMENTS

This slide deck demonstrates the various customized itemize environments.

STANDARD SPACING VARIANTS

itemizeS - Compact Spacing

- Less vertical space
- Good for dense content
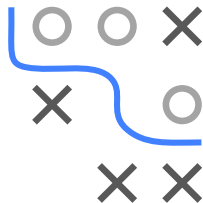- When you need to fit more

itemizeM - Default Spacing

- Standard LaTeX spacing
- For normal content
- Good readability

itemizeL - Large Spacing

- More breathing room
- For important points
- Enhanced readability

itemizeF - Fill Spacing

- Distributes items
- Across available space

FONT SIZE CONTROL

Default (normalsize)

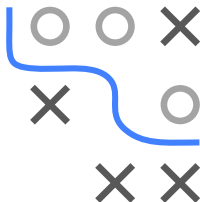- Regular font size
- Default behavior

Small Font

- Smaller font size
- Using [small] option
- Good for fitting more

Footnote Size

- Very small text
- Combined with compact spacing
- For maximum content density

Large Font

- Larger text

- With wide spacing

- For emphasis

COMBINING DIFFERENT FEATURES

For dense information:

- Small font + compact spacing
- Use for detailed lists
- When every line matters

For key points:

- Large font + wide spacing

- Makes content stand out

- Ideal for takeaways

For balanced content:

- Default sizing and spacing works best for most content
- Provides good readability and balanced slide appearance
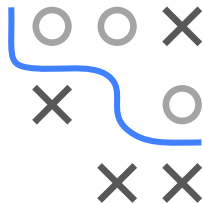
KEY-VALUE INTERFACE

The underlying `kitemize` environment offers a key-value interface:

```
begin{kitemize}[fs=small,sep=S]
```

- Font size: `fs=small`
- Separation: `sep=S`
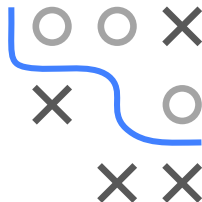- Both parameters are optional

```
begin{kitemize}[fs=large,sep=L]
```

- Large font
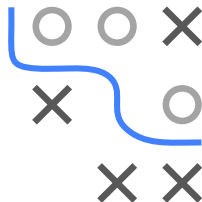- Wide spacing
- Better readability

ENHANCED FRAMEI ENVIRONMENT

- The framei environment supports key-value arguments
- Font size: fs=small (or footnotesize, large, etc.)
- Separation: sep=S (or M, L, F)
- This example uses framei[fs=small,sep=S]
- Perfect for overview slides or detailed lists
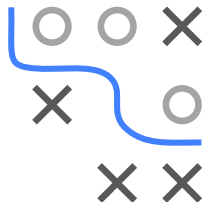- Makes it easy to fit more content on a single slide

ANOTHER FRAMEI EXAMPLE

- Larger text with wider spacing

- Passed directly to the framei environment

- Using [fs=large,sep=L]

- For emphasis and impact

A FILL FRAMEI EXAMPLE

- Larger text with wider spacing

- Passed directly to the `framei` environment
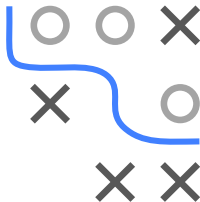
- Using `[fs=large,sep=F]`

- For emphasis and impact

FILL SPACING EXAMPLE

Before:

- Default spacing
- Doesn't fill space
- Content at top

After:

- Fill spacing

- Distributes items

- Across height

PRACTICAL USE CASES

For main content:
- Standard spacing
- With normal font
- For most slides

For appendix slides:
- Compact spacing
- With smaller font
- For reference material

For nested structure:
- Main points
  - Supporting details
    - Fine print