

# Custom Itemize Environments Demo

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## 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

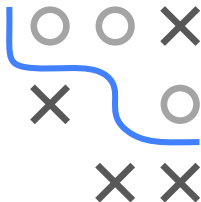
- Standard LaTeX spacing
- For normal content
- Good readability

## 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

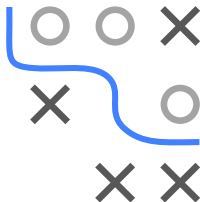
- Smaller font size
- Using `[small]` option
- Good for fitting more

## 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:

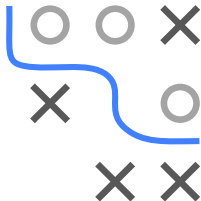
- Small font + compact spacing
- Use for detailed lists
- When every line matters

## 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



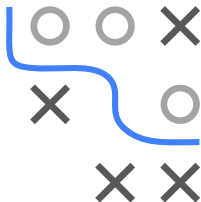
# ENHANCED FRAMEI ENVIRONMENT

- 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

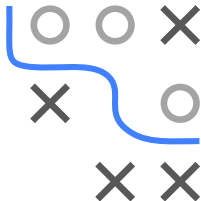
- Larger text with wider spacing
- Passed directly to the `framei` environment
- Using `[fs=large,sep=L]`
- For emphasis and impact





# A FILL FRAMEI EXAMPLE

- Larger text with wider spacing
- Passed directly to the `framei` environment
- Using `[fs=large, sep=F]`
- For emphasis and impact



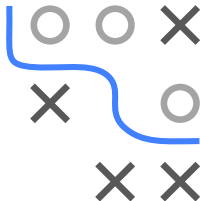
# FILL SPACING EXAMPLE

## 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

