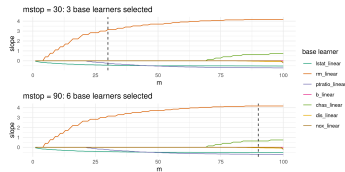


Introduction to Debugging Lectures

Demo Lecture

Layout Macro Testing With Cannibalized Content



Learning goals

- Test layout
- Fix stuff
- Go home

DEMO SLIDES

This is a demo lecture chunk.

It is recommended to view these slides as PDF and LaTeX code side by side

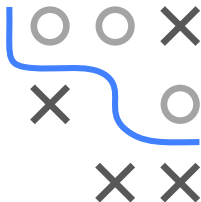
Refer to the `slds-lmu/lecture_debug` repository for the source and PDF:

- [► Compiled PDF](#)
- [► LaTeX source](#)



\SPLITV(TCB)(TCB)

- \splitVCC creates two centered columns
- \splitVTT creates two top-aligned columns
- \splitVBB for bottom-aligned columns



Left column these two columns should both be top-aligned with their unequal content lengths

Right column Lorem ipsum dolor sit amet, consectetur adipiscing elit

- Example itemize content for centered columns
- Second itemize item

Lorem ipsum dolor sit amet, consectetur adipiscing elit

\SPLITV WITH UNEQUAL SIZES

You only need to specify the width of the first column:

`\splitVTT[0.75]{left content}{right content}` creates a column with 75% width and the second column will fill the remaining space:



First column with 75% of the text width on the slide

Second column
with rest

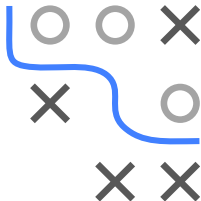
Tiny column

Second column with a lot of room for activities

TWO COLUMNS, MINIMAL ADJUSTMENTS

Compact version if you do not want to use the full slide width:

`\splitVCompact{0.2}{0.2}` only takes up 20% of the slide width in each column for a total of 40% with a minimal horizontal spacer:



First column Second column
with 20% with 20%

3 COLUMNS

Using `\splitVThree{Left}{Middle}{Right}` for 3 equally sized columns:

First column content
is here

Second column content
is here as well

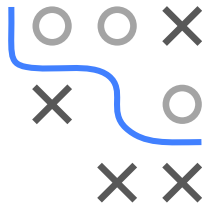
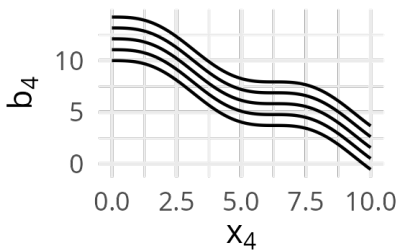
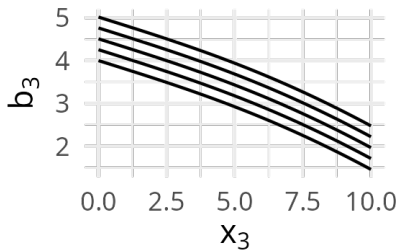
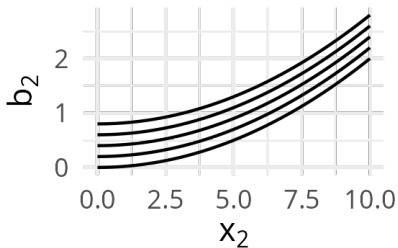
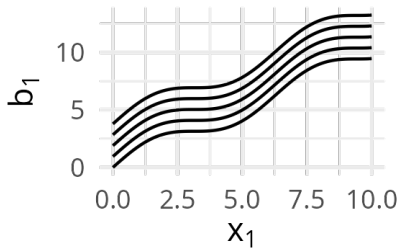
And also a third column
is here just in
case



Then there is `\splitVThreeCustom` for three columns of arbitrary widths, where the width of the third column can also be inferred from the first two

first column	second column	third column
with 20% width	with 20% width	with remaining width

2x2 LAYOUT: ALL IMAGES



ITEMIZE WRAPPERS

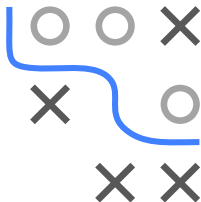
Presets for `itemize` with different vertical spacings (`itemsep`). The default value for `itemsep` is apparently 2pt. Use `\the\itemsep` to find out the current value.

- **Default `itemize`**

- `itemsep` is unmodified
- Another thing
- Words
- A fourth thing to show
- Just filling space here
- Hello there

- **Uses environment**

- `itemizeS`
- `itemsep` is: -2.0pt
- Another thing
- Words
- A fourth thing to show
- Just filling space here
- Hello there



ITEMIZE AND ITEMIZEL

- **Default itemize** with `itemizeM`
- `itemsep` is unmodified
- Another thing
- Words
- A fourth thing to show
- Just filling space here
- Hello there

- **Uses environment** `itemizeL`
- `itemsep` is: 15.0pt
- Another thing
- Words
- A fourth thing to show
- Just filling space here
- Hello there



ITEMIZEF FOR VERTICAL FILLING

- Uses environment `itemizeF`
- `itemsep` is: 10.07397pt plus 1.0fill
- Automatically uses all vertical space
- Depends on containing environment though!



ITEMIZE SPACING AND FONT SIZE CONTROL

itemizeS with small text

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

itemizeL with large text:

- Large font + wide spacing
- Makes content stand out
- Ideal for takeaways

itemizeM with default text:

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

itemizeM with footnotesize text:

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

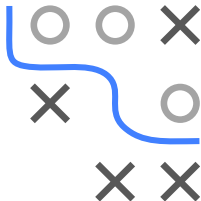


IMAGE TAKING THE FULL SLIDE WIDTH

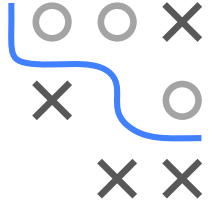
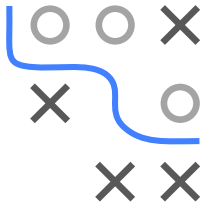
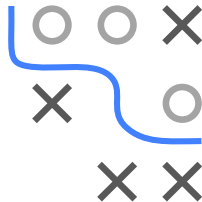


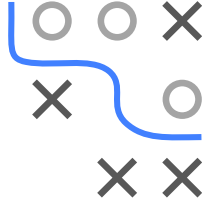
IMAGE USING HALF THE AVAILABLE WIDTH



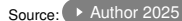
CENTERED IMAGE USING HALF THE AVAILABLE WIDTH



FULL WIDTH CENTERED IMAGE WITH ATTRIBUTION

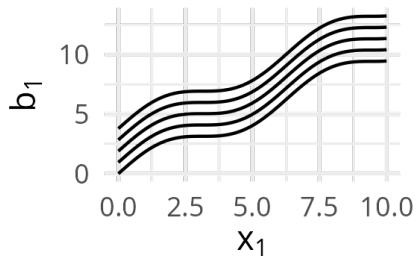


A 3x3 grid with a blue path starting at the top-left cell (0,0) and ending at the bottom-right cell (2,2). The path is composed of three segments: a horizontal segment from (0,0) to (0,1), a vertical segment from (0,1) to (1,1), and a horizontal segment from (1,1) to (2,1). The cells (0,2), (1,0), (1,2), and (2,0) are empty. The cells (0,1), (1,1), and (2,1) are occupied by a blue path.

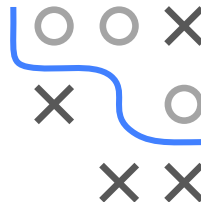


IMAGES WITHIN ITEMIZE

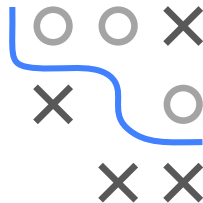
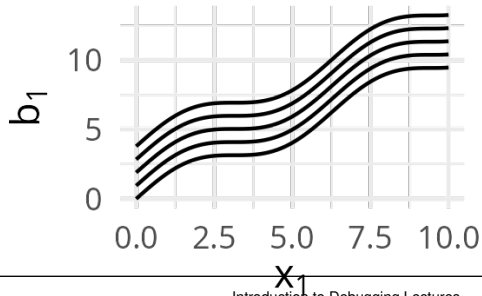
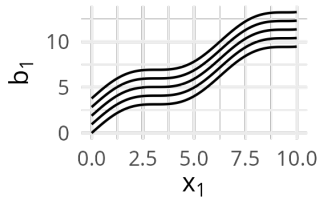
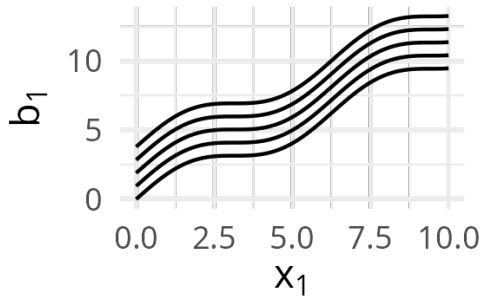
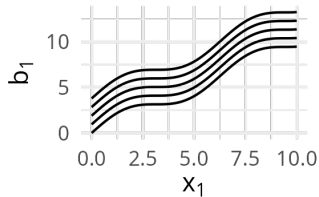
- Foo bar
- Plubber



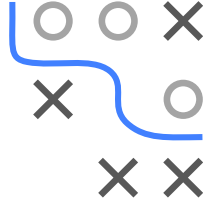
- jfowiehfgnsdlkjnfg



IMAGES WITHIN SPLITV



IMAGES WITHIN SPLITVCC



Source: ▶ Neo 2025

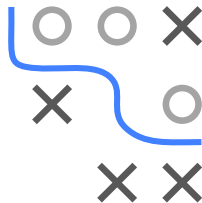


FRAMEI ENVIRONMENT

- This is a frame consisting only of an itemize environment
- Nothing else here, just itemize.
- No extra options yet for alignment or sizing in this case

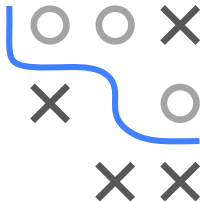


- Look, an image



CUSTOMIZED 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
- Please don't overdo it



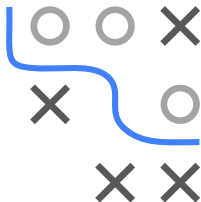
ANOTHER FRAMEI EXAMPLE

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



A FILLING FRAMEI EXAMPLE

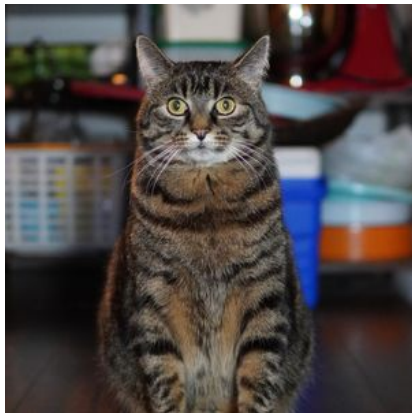
- Larger text with widest spacing
- Passed directly to the `framei` environment
- Using `[fs=large, sep=F]`
- For the glory of hypnotoad



INTEGRATION WITH FRAMEI ENVIRONMENT

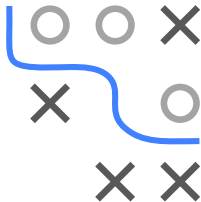
- The framei environment creates an itemize list
- We can nest splitV inside list items
- Using splitVTT within a list item:

- This continues the itemize list
- No need for a nested itemize
- The items appear properly beside the image



Source: ▶ Neo 2025

- Back to the main list
- With proper spacing between elements



FRAME2 LIKE FRAME BUT WITH FONT SIZE PARAMETER

This entire frame uses the small font size.

- this regular itemize list uses the small font size =
- you can nest things in here as needed

