

Accessible Slides for LaTeX

James M. Murray, PhD

December 23, 2025

Basic Slide

This is a basic slide.

You can create slides using the `slide` environment:

```
\begin{slide}{<Slide Title>}  
...  
\end{slide}
```

The content of each slide vertically aligned to the top of the slide. Use `\vspace*{<length>}` to adjust vertical position, if you wish.

Must be compiled with `lualatex`.

Basic Slide with Lists

1. This is a numbered list item
2. This is another numbered list item
 - We can have bullet points too
 - And more bullets

Subsections Make Section-Separator Slides

Sections Mimic Regular Slides

- You can start a slide using `\section{}` instead of `\begin{slide}`
- This makes it behave well with Markdown

Columns

You can make columns using the `columns` and `column` environments, much like Beamer.

- Make sure to join your columns with `\hfill` with no line spaces

Columns with Blocks

Look at Me!

You can stand out using the block environment.

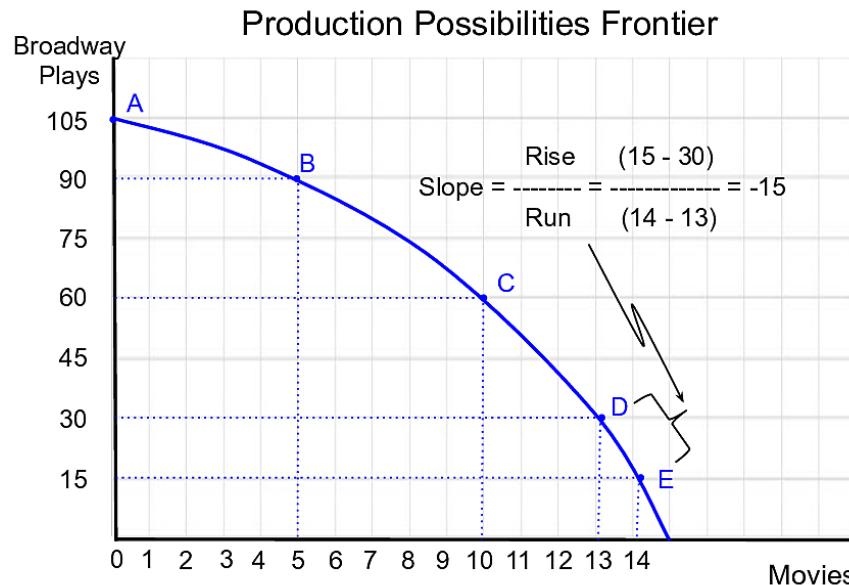
Another Block

You can have multiple blocks in a slide.

Yet Another Block

You can also have blocks that span the full slide width.

Include Graphics with Alt Text



The `includegraphics` environment is redefined to require alternative text for accessibility.

Decorative Graphics with `decographics`



Use `decographics` instead of `includegraphics` for purely decorative images. They do not require alt text and the images are ignored by assistive technologies.

Math

The `displaymath` environment is enhanced to optionally provide alt text for your math expressions.

$$s = \sqrt{\frac{\sum_{i=1}^n x_i^2 - \frac{1}{n} \left(\sum_{i=1}^n x_i \right)^2}{n - 1}}$$

The `equation` environment is similarly enhanced:

$$e^{i\pi} + 1 = 0 \tag{1}$$

Simple With Minimal Features

- This template is not nearly as full-featured as [Beamer](#).
- Many Beamer functions to sequentially reveal items are not accessible, and so are intentionally omitted.
- Other features like themes are omitted for simplicity and lack of time to work on it.
- Copyright 2025 James Murray, [GNU General Public License v3.0](#).
- This work is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of FITNESS FOR A PARTICULAR PURPOSE.
- I welcome bug reports, feedback, and suggestions, but I have very limited time to maintain this project. Do not expect responses, fixes, or new features in a timely manner.