

Northwestern

Wildcat Beamer Theme

Aaron Wolf (Northwestern University)

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Introduction

The Wildcat theme is a Beamer theme for Northwestern University, but which can be modified easily with different colors, fonts, and even background patterns.

The theme is inspired by the Metropolis theme by Matthias Vogelgesang. It incorporates the Northwestern University facet design pattern, but otherwise has a clean, simple look, and relatively few bells and whistles. It is licensed under the GNU GENERAL PUBLIC LICENSE.

Colors

The theme has a few Northwestern-specific colors defined, which you can use in your slides. These are:

- nupurple
- nupurple90
- nupurple80
- nupurple70
- nupurple60
- nupurple50
- nupurple40
- nupurple30
- nupurple20
- nupurple10
- nupurple160
- nupurple150
- nupurple140
- nupurple130
- nupurple120
- nupurple110
- nurichblack
- nubrightgreen
- nubrightteal
- nubrightblue
- nubrightyellow
- nubrightorange
- nubrightred
- nudarkgreen
- nudarkteal
- nudarkblue
- nudarkyellow
- nudarkorange
- nudarkred

Modifying Main Colors (I)

You can change the main colors of the theme by redefining the following colors in your preamble. You can use any color you want, but the theme is designed to work best with shades of the Northwestern purple.

- (main color)
- (main color, 10% shade) through (main color, 40% shade)
- (main color, 110% shade) through (main color, 160% shade)
- (alert color)
- (example color)

The shades of `wcprimary` are used for the background of facets. There are `wcprimary10`, `wcprimary20`, ..., `wcprimary160`, but only 10-40 and 110-140 are used.

Modifying Main Colors (II)

For example, to modify the main color to be a shade of blue, you could use the following code in your preamble (after loading the theme):

This sets the main color to Yale Blue, and all the shades used in the facet pattern. The preambles of the example slides in this document show how to modify the colors.

Using Colors in Graphs

Python Code

Using Colors in Graphs

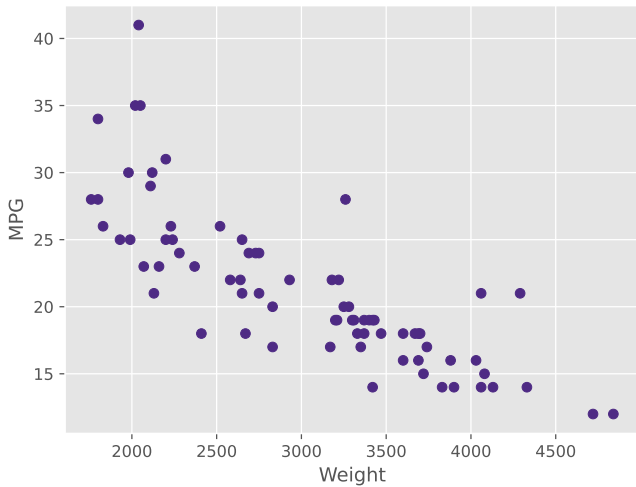


Figure: Python Graph Example

Using Colors in Graphs

R Code

Using Colors in Graphs

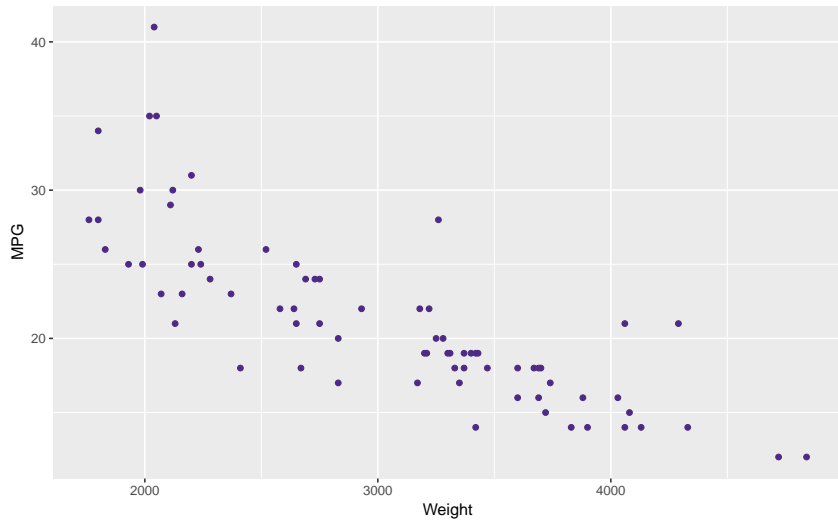


Figure: R Graph Example

Using Colors in Graphs

Stata Code

Using Colors in Graphs

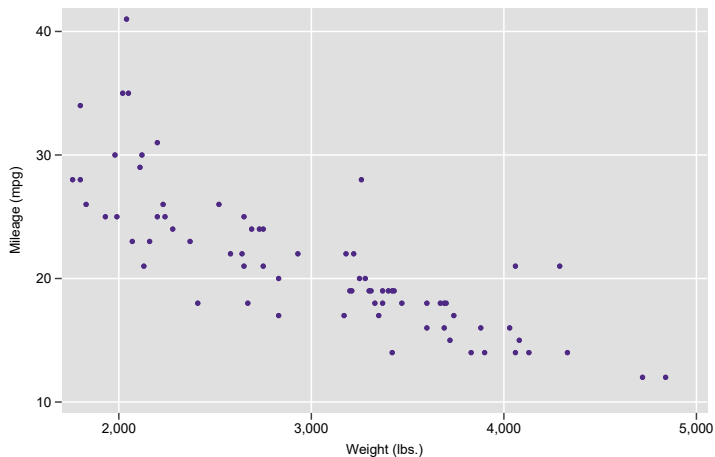


Figure: Stata Graph Example

Facet Blocks (tcolorbox)

You can use tcolorbox style blocks with the facet pattern instead of the default beamer blocks. You can create this with a `environment`. You can also use `and` for alert and example blocks, respectively.

T Block Title

This is a tcolorbox style block.

T Alert Title

This is a tcolorbox style alert block.

T Example Title

This is a tcolorbox style example block.

Custom Color Facet Blocks

There is also a special block called `tfacetbox` which allows you to specify the color. This only works with non-primary (not red, green, or blue) colors, as you can't shade those easily.

Custom Facet Block Title

This is a `tfacetbox` block. It can be created with the following code:

Box Examples (Default)

You can also just use the Beamer default blocks in the usual way. The default is non-rounded corners, non-shaded.

Main Block

This is an example block

Alert Box

This is an alert box

Example Box

This is an example box

Font Style: Default

The theme uses the official Northwestern fonts, which are Campton (for titles) and Akkurat Pro (for copy). These are not free fonts, so you will need to purchase (and install) them if you want to use them.

The wildcat theme uses the OTF files directly, so as long as you have the OTFs in a similar relative directory as the demo files, it should work (this includes on Overleaf). If you have installed them, you can look at the file to see how to use the installed fonts.

Note: You need to use XeLaTeX or LuaLaTeX to compile in order to use custom fonts. If you use PDFLaTeX, you will get an error.

Font Style: Overleaf & Local

There is also a font theme called `fontawesome` which will load fonts available from Overleaf (as well as local \LaTeX installations). To use this, you just need to specify in your preamble the following command *after* loading the theme:

Font Style: Default in Overleaf

An alternative is to upload the OTF or TTF files to your Overleaf directory, and then change the files to specify those font files rather than the font family generally. Alternatively, simply add the lines of code directly to your preamble *after* loading the theme:

Font Style: Examples

Here is what the body font will look like under normal usage:

- Regular
- *Italic*
- **Bold**
- **Bold Italic**
- Alert
- *Alert Italic*
- Math:

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

Sections

You can use `\section` to group slides into sections. This will automatically add a section title slide at the beginning of each section.

You can turn this off by adding `\setbeamerfont{sectionhead}` to your preamble (this tells beamer to do precisely nothing when a new section starts).



Section Example

Advanced: Altering the background pattern

The background pattern is created using the `background` package. You can modify the background pattern by changing the `background` file. The background pattern is created in the `background` command defined at the top of the file.

You don't necessarily need to change the file itself. You can just re-define those commands in your preamble. For example, if you wanted to change the background pattern to be just the main color, you could use the following code in your preamble:

Here is a blank frame. You can use this to add a blank page to your presentation.
You can specify this via:

Standout Slides

You can use the `standout` command to create a slide with a large font and no title. This is useful for a slide that you want to stand out, but which doesn't need a title.

Questions?