

# SIMPLE BEAMER TEMPLATE

Modernizing an antiquated style

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# Acknowledgements

- Inspired by notes from Professor James Scott

# Formatting guidelines

- Use a  $4\times 3$  aspect ratio for older projectors
- Use large text for the body and plots
- Body text on a screen is most readable when it is sans-serif, but also use a standard serif font (e.g. Palatino) which has rich math support for math equations
  - ▶ Roboto for body text
  - ▶ Palatino for math
  - ▶ Inconsolata for fixed width text.

Carvalho, Polson, and Scott (2010)

## Preview of font appearances

The density of the univariate Gaussian random variable denoted by  $x \sim \mathcal{N}$  is given by  $f(x; \mu, \sigma^2)$ , for location parameter  $\mu$  and scale parameter  $\sigma > 0$ ,

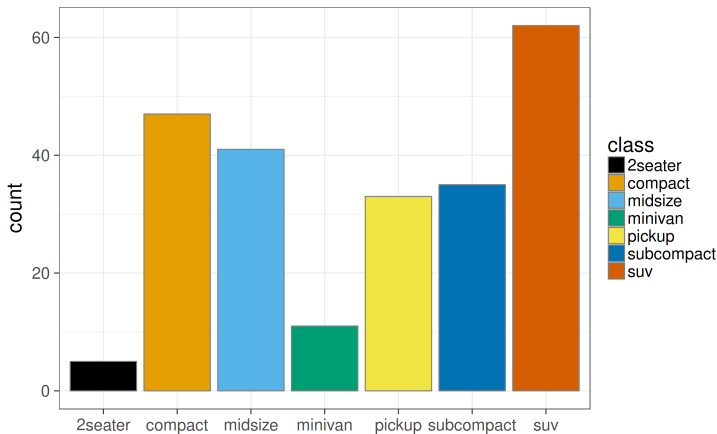
$$f(x; \mu, \sigma^2) = \frac{1}{\sqrt{2\pi\sigma^2}} \exp \left[ -\frac{1}{2\sigma^2} (x - \mu)^2 \right]$$

Generally, there is also the multivariate Gaussian  $\mathbf{x} \sim \mathcal{N}_p(\mathbf{m}, \Sigma)$ .  
The maximum likelihood estimate is

$$(\hat{\mu}, \hat{\sigma}^2) = \arg \max_{\mu, \sigma} \prod_{i=1}^N f(x_i; \mu, \sigma^2).$$

## Plotting with a colorblind-friendly palette

Suitable for dichromacy



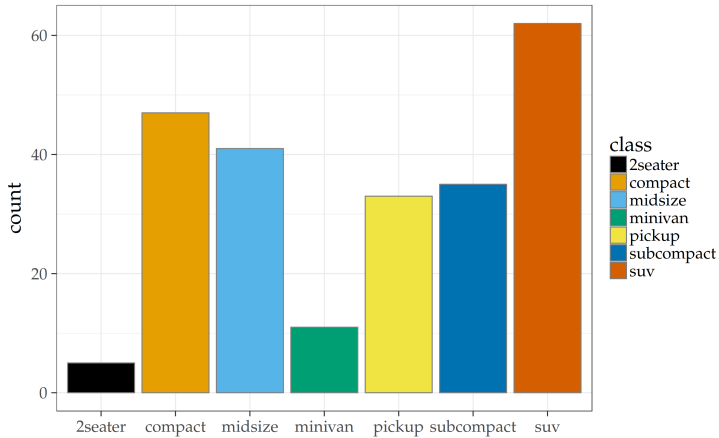
Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

Figure 1: My figure

The default ggplot2 typeface is Helvetica

## Plotting with a colorblind-friendly palette

Suitable for dichromacy

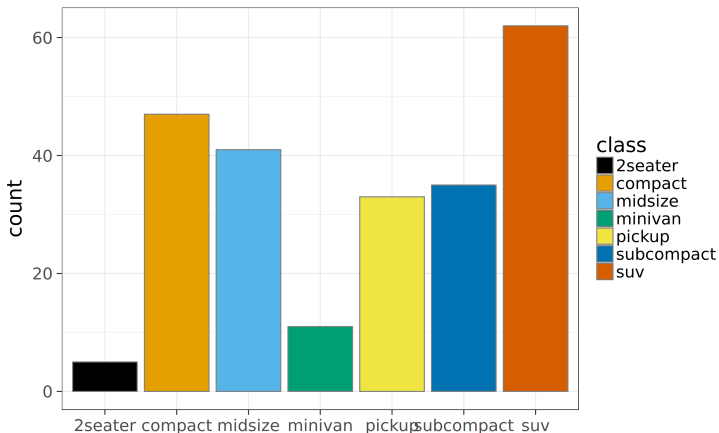


Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

Palatino

## Plotting with a colorblind-friendly palette

Suitable for dichromacy

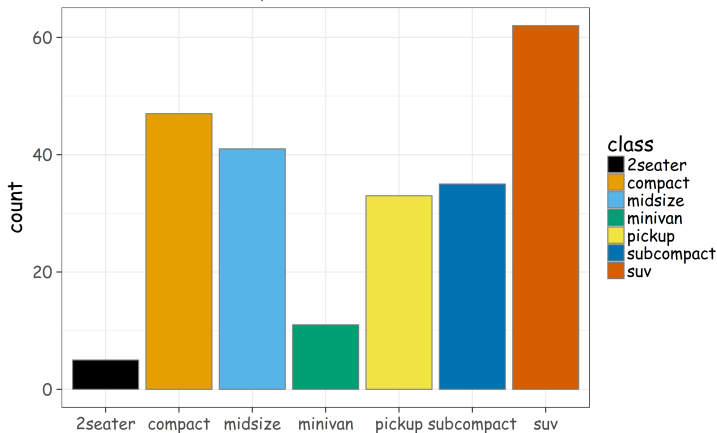


Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

Lato Sans

## Plotting with a colorblind-friendly palette

Suitable for dichromacy



Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

Comic Sans



# Theorem

## Theorem (Mass–energy equivalence)

*For mass  $m$ , speed of light  $c = 299,792,458 \text{ m/s}^2$ , the energy equivalence is given by  $E = mc^2$ .*

# Columns

Two columns



# Conclusion

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`spencerwoody.github.io`



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# References I

Carlos M. Carvalho, Nicholas G. Polson, and James G. Scott. The horseshoe estimator for sparse signals. *Biometrika*, 97(2):465–480, 6 2010. ISSN 0006-3444. doi: 10.1093/biomet/asq017.