

A simple, legible beamer template

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Acknowledgements

- Inspired by notes from Professor James Scott

Formatting guidelines

- Use a 4×3 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.

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 μ and scale parameter $\sigma > 0$,

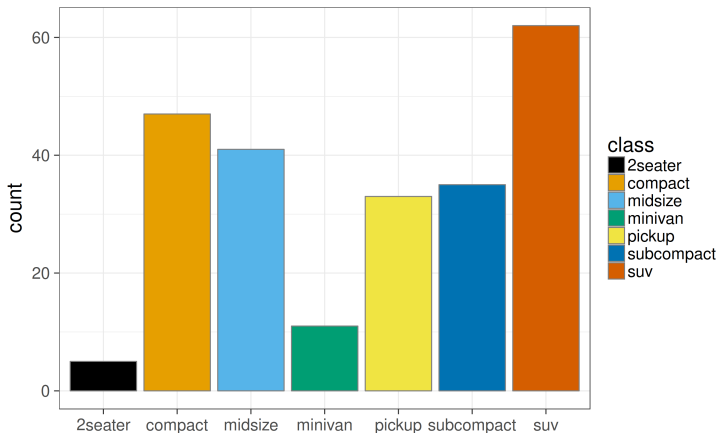
$$f(x; \mu, \sigma^2) = \frac{1}{\sqrt{2\pi\sigma^2}} \exp \left[-\frac{1}{2\sigma^2} (x - \mu)^2 \right]$$

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

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

Plotting with a colorblind-friendly palette

Suitable for dichromacy

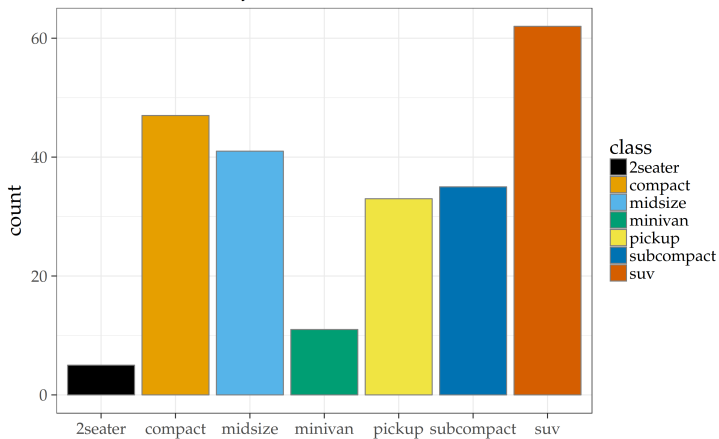


Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

The default ggplot2 typeface is Helvetica

Plotting with a colorblind-friendly palette

Suitable for dichromacy

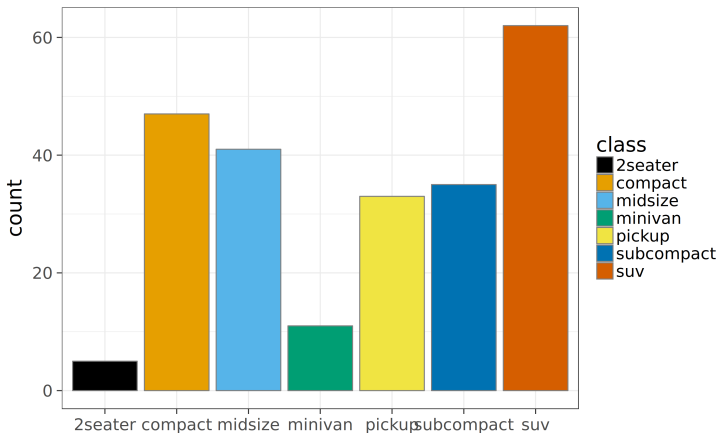


Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

Palatino

Plotting with a colorblind-friendly palette

Suitable for dichromacy

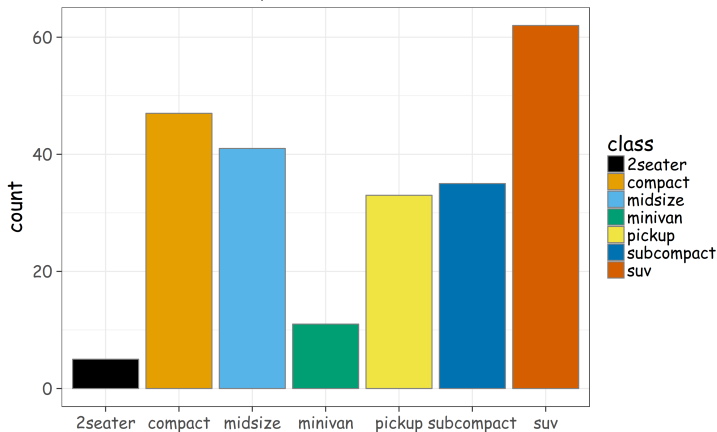


Source: <http://jfly.iam.u-tokyo.ac.jp/color/>

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

Columns

Two columns



Conclusion

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References I