



Monash Beamer Class Demonstration

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- 1 Intro
- 2 Using R
- 3 RMarkdown Examples

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Slide with bullets

- Bullet 1
- Bullet 2
- Bullet 3

Use \alert to highlight some text

Some enumeration

- The first item
- 2 Stuff
- Nonsense

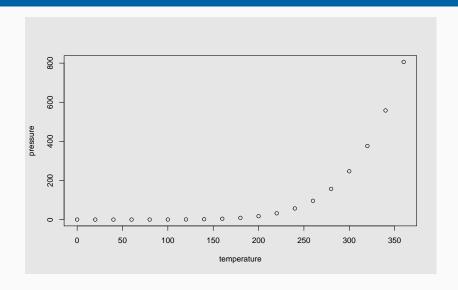
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Slide with R output

summary(cars)

```
##
       speed
                       dist
   Min. : 4.0
                  Min. : 2.00
##
## 1st Qu.:12.0
                  1st Qu.: 26.00
   Median: 15.0
                  Median: 36.00
##
##
   Mean : 15.4
                  Mean : 42.98
   3rd Qu.:19.0
                  3rd Qu.: 56.00
##
   Max. :25.0
                  Max. :120.00
##
```

Slide with graphics



Slide with mathematics

Quantile score for observation y. For 0 :

$$S(y_t, q_t(p)) = \begin{cases} p(y_t - q_t(p)) & \text{if } y_t \ge q_t(p) \\ (1 - p)(q_t(p) - y_t) & \text{if } y_t < q_t(p) \end{cases}$$

Average score over all percentiles gives the best distribution forecast:

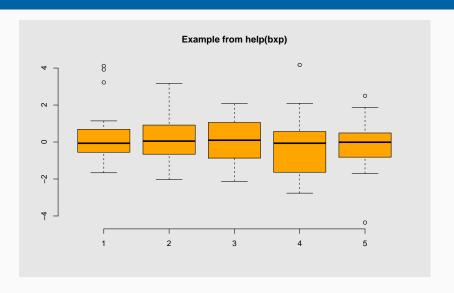
$$QS = \frac{1}{99T} \sum_{p=1}^{99} \sum_{t=1}^{T} S(q_t(p), y_t)$$

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R Figure

The following code generates the plot on the next slide (taken from help(bxp) and modified slightly):

R Figure



R Table

A simple knitr::kable example:

Table 1: (Parts of) the mtcars dataset

	mpg	cyl	disp	hp	drat	wt	qsec
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02
Datsun 710	22.8	4	108	93	3.85	2.320	18.61
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44

Resources

For more information:

- See the RMarkdown repository for more on RMarkdown
- See the binb repository for more on binb
- See the binb vignettes for more examples.