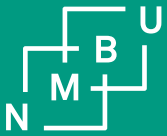

Norwegian University
of Life Sciences

Awesome Lecture on Interesting Topic

Theory of Interesting stuffs

Author, Surname

March 16, 2020

Faculty of Plant, Animals and Everything Else

Outline

Introduction

Using R

RMarkdown Examples

Introduction

Top Aligned Slide with Columns and Bullets

- Bullet 1
- Bullet 2
- Bullet 3

There are many alert options,

- Use `\alert` to **highlight** some text

Block Heading

1. The first item
2. Stuff
3. Nonsense

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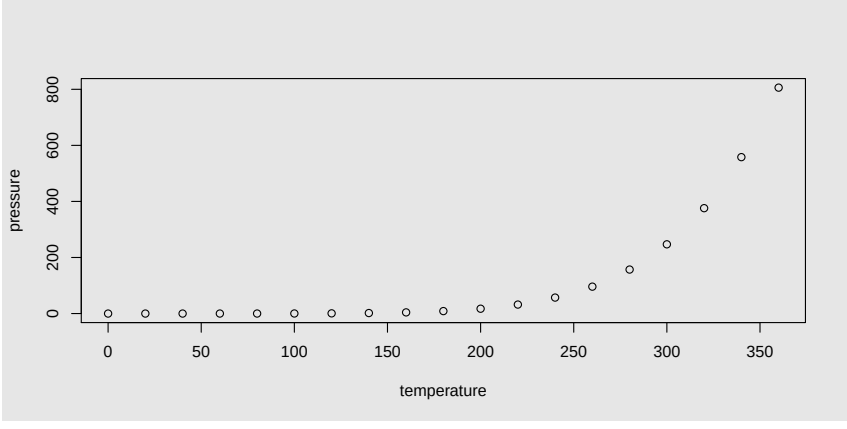
Using R

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 $0 < p < 1$:

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

Average score over all percentiles gives the best distribution forecast:

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

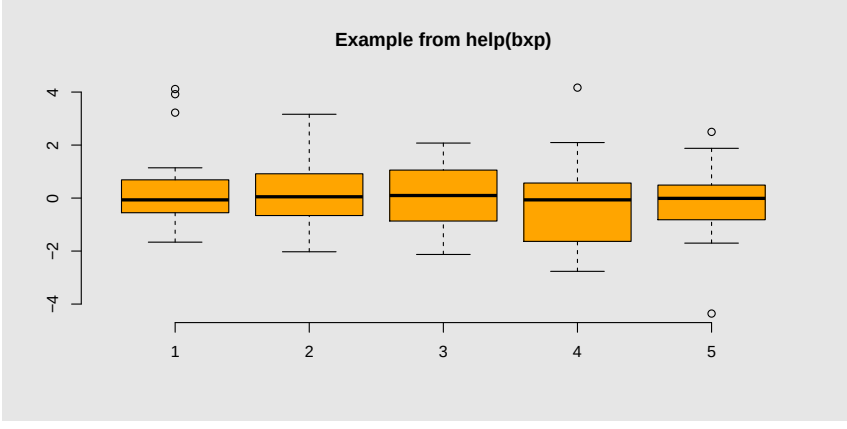
RMarkdown Examples

R Figure

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

```
library(stats)
set.seed(753)
bx.p <- boxplot(split(rt(100, 4),
                      gl(5, 20)), plot=FALSE)
bxp(bx.p, notch = FALSE, boxfill = "orange",
    frame = FALSE, outl = TRUE,
    main = "Example from help(bxp)")
```

R Figure



R Table

A simple `knitr::kable` example:

```
knitr::kable(mtcars[1:3, 1:7],
             caption="(Parts of) the mtcars dataset")
```

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

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.

Example Block

Some body text

Alert Block

Some body text

Thank you!