



Workshop: Python for R Users

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2. Programming fundamentals
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Basics

Data types

R

- numeric: integers, floating, point numbers
- logical: **TRUE** or **FALSE**
- character: strings

Python

- int: integers
- float: floating point numbers
- bool: **True** or **False**
- str: strings

Assignment

Strings

Lists

Programming fundamentals

Control flow (if-statement)

Loops

Functions

Pandas - library

Selecting and subsetting data

Data types

Data manipulation and processing techniques

Plotting

- Official GitHub Repo of Metropolis (formerly mtheme); older version in TeXLive
- My GitHub Repo for a local Ubuntu package of Metropolis – formerly mtheme
- Manuel

test

Exemplary usage

Test

Slide with Bullets

- Bullet 1
- Bullet 2
- Bullet 3

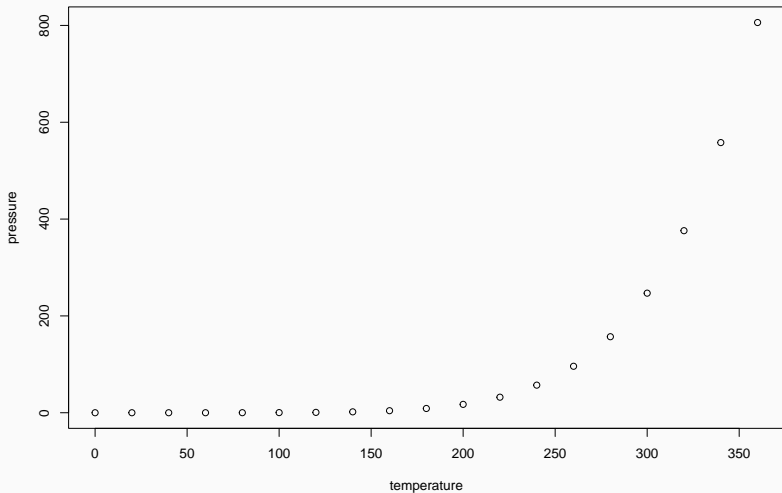
Slide with R Output

Slide with R Output

```
summary(cars)
```

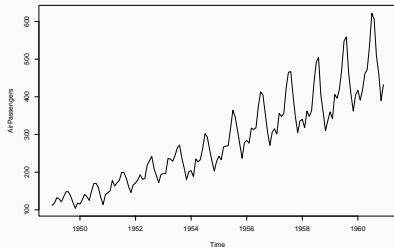
##	speed	dist
##	Min. : 4.0	Min. : 2.00
##	1st Qu.:12.0	1st Qu.: 26.00
##	Median :15.0	Median : 36.00
##	Mean :15.4	Mean : 42.98
##	3rd Qu.:19.0	3rd Qu.: 56.00
##	Max. :25.0	Max. :120.00

Slide with Plot



Two column layout

Here is some text above which goes over to whole slide



- Description of plot
- Second point

and here some text below which goes over to whole slide

Breakout page

Figures caption

Figures caption



Figure 1: Figure: Here is a really important caption.

Using LaTeX Parts: Blocks

As one example of falling back into \LaTeX , consider the example of three different block environments are pre-defined and may be styled with an optional background color.

Default

Block content.

Alert

Block content.

Example

Block content.