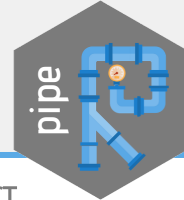# pipeR CHEAT SHEET

write cleaner pipeline expressions with less noise

pipe

WHY PIPER?

What pipeR is?

pipeR is an R package that helps you better organize your code in pipeline

Simplicity

pipeR is designed to make R code easier to read, write, and maintain using pipeline operations

Intuitivity

Defines intuitive syntax rather than a collection of symbols to improve code readability

Control

Give users full control of the piping behavior

PIPE OPERATOR

%>>%

pipes the left-hand side value forward to the right-hand side

Examples

Pipe to first argument
```
mtcars %>>%
  lm(formula = mpg ~ cyl + wt)
```
Pipe to dot
```
mtcars %>>%
  (lm(mpg ~ cyl + wt, data = .))
```
Pipe for side effect
```
mtcars %>>%
  (~plot(mpg ~ wt, data = .)) %>>%
  lm(formula = mpg ~ wt) %>>%
  summary()
```
Pipe with assignment
```
numbers <- 1:5
letters %>>%
  sample(length(numbers)) %>>%
  (~ . -> names(numbers))
```

PIPE OBJECT

Pipe

is the light-weight version of Pipe operator yet has more features
```
Pipe(mtcars)$
  lm(formula = mpg ~ wt + cyl)$
  summary()
```

PIPE FUNCTION

pipeline

implements two similar operator-free mechanisms for building a pipeline
```
pipeline(mpg,
  sample(size = 100),
  density(kernel = 'gaussian'),
  plot(main = 'mpg density'))
```