A Title Slide with R

Data Wrangling: Template

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Statistical Horizons, December 2022

A Bullet Point Slide

A Bullet Point Slide

Blah

A Bullet Point Slide

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Most Data Analysis is Cleaning and Recoding

More Wisdom for the Ages

Breaks

```
library(palmerpenguins)
```

Breaks

```
library(palmerpenguins)
```

Chunk Breaks

```
as_tibble(cars)
```

```
## # A tibble: 50 × 2
##    speed  dist
##    <dbl> <dbl>
##  1     4     2
##  2     4    10
##  3     7     4
##  4     7    22
##  5     8    16
##  6     9    10
##  7    10    18
##  8    10    26
##  9    10    34
## 10    11    17
## # … with 40 more rows
```

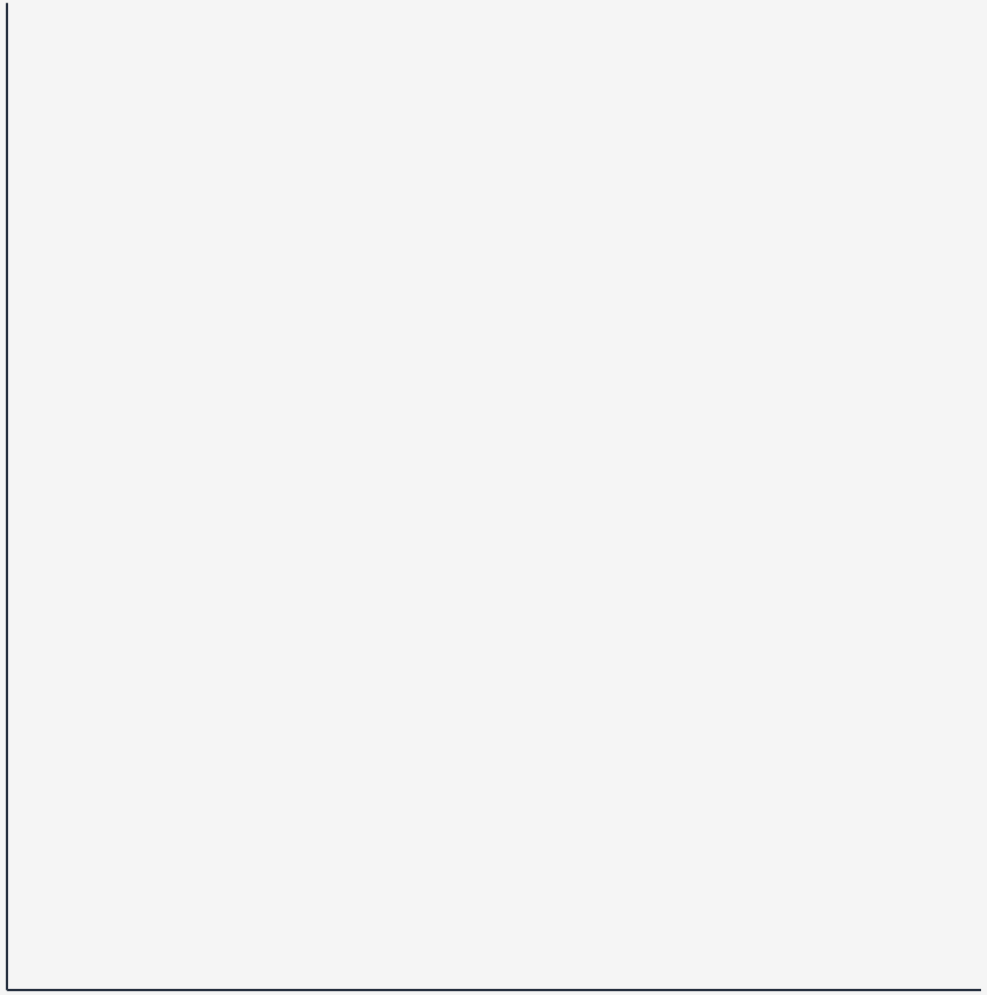
Chunk Breaks

```
as_tibble(cars) |>
  filter(speed > 4)
```

```
## # A tibble: 48 × 2
##    speed  dist
##    <dbl> <dbl>
##  1     7     4
##  2     7    22
##  3     8    16
##  4     9    10
##  5    10    18
##  6    10    26
##  7    10    34
##  8    11    17
##  9    11    28
## 10    12    14
## # … with 38 more rows
```

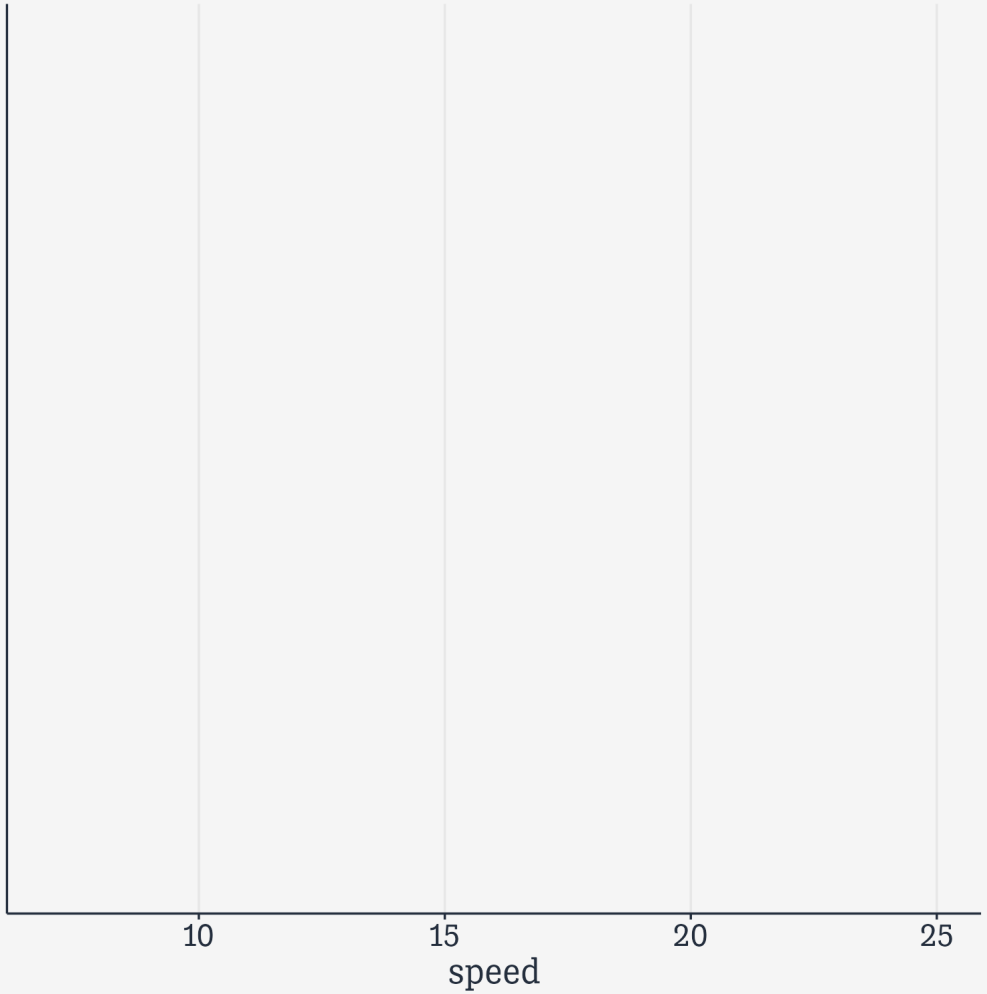
Chunk Breaks

```
as_tibble(cars) |>
  filter(speed > 4) |>
  ggplot()
```



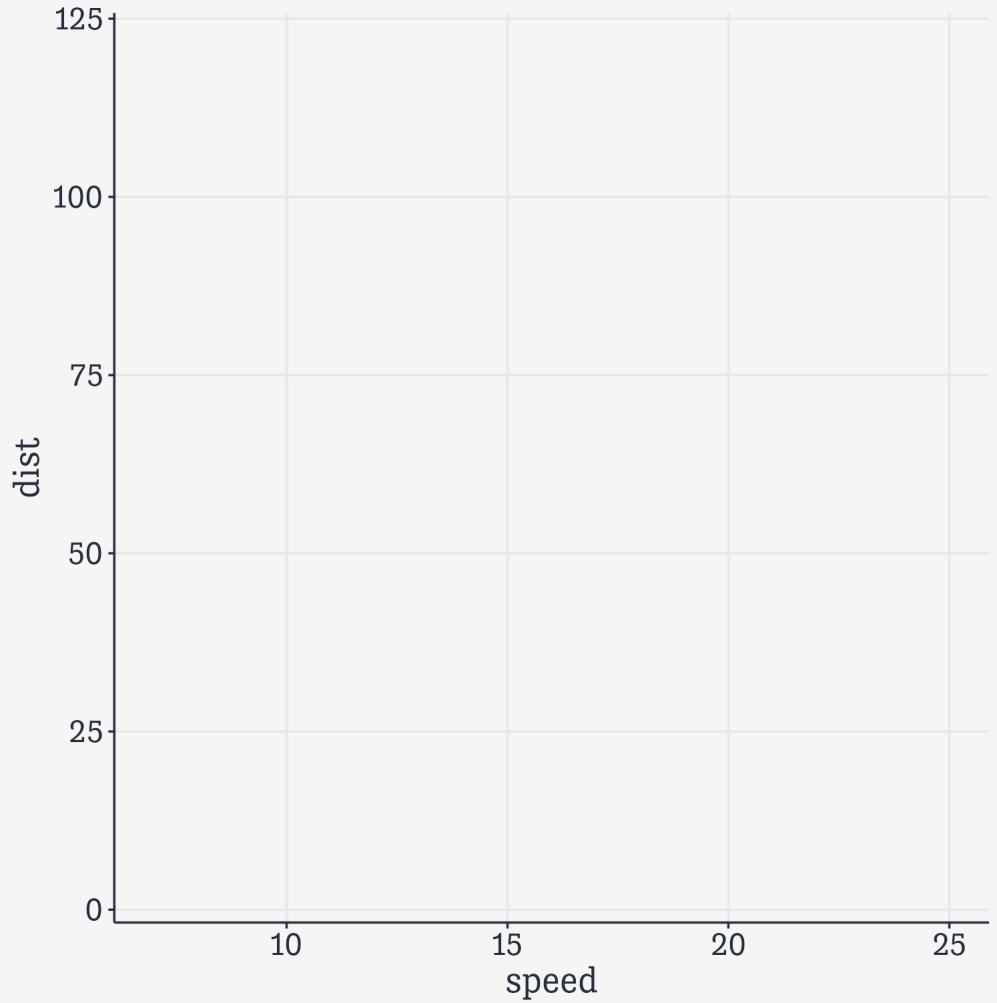
Chunk Breaks

```
as_tibble(cars) |>
  filter(speed > 4) |>
  ggplot() +
  aes(x = speed)
```



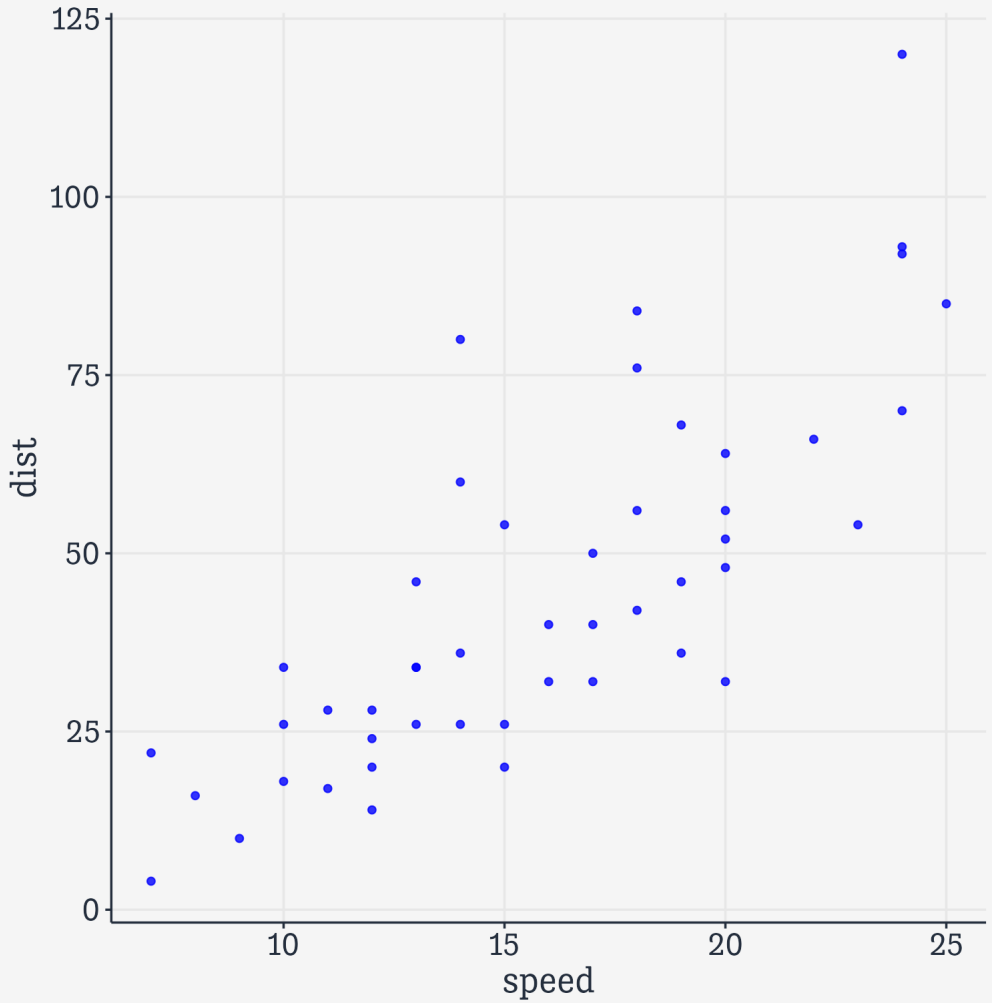
Chunk Breaks

```
as_tibble(cars) |>
  filter(speed > 4) |>
  ggplot() +
  aes(x = speed) +
  aes(y = dist)
```



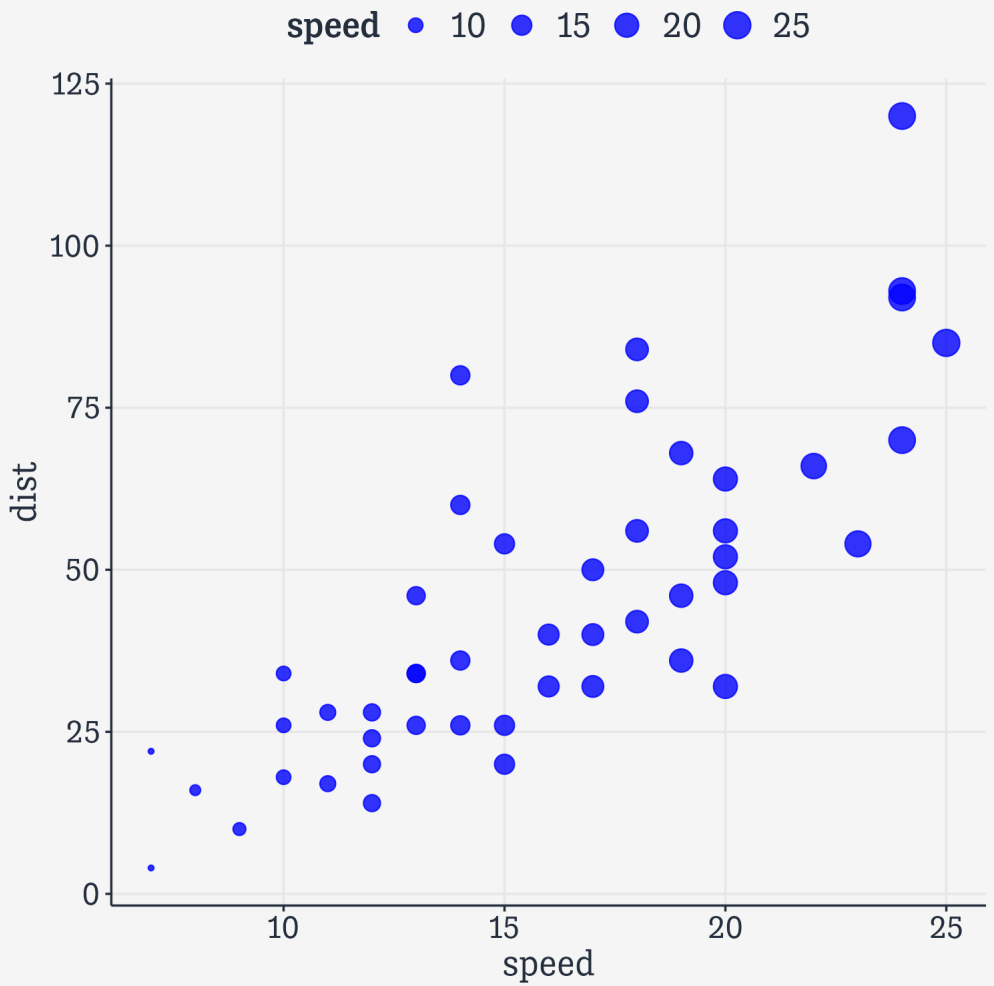
Chunk Breaks

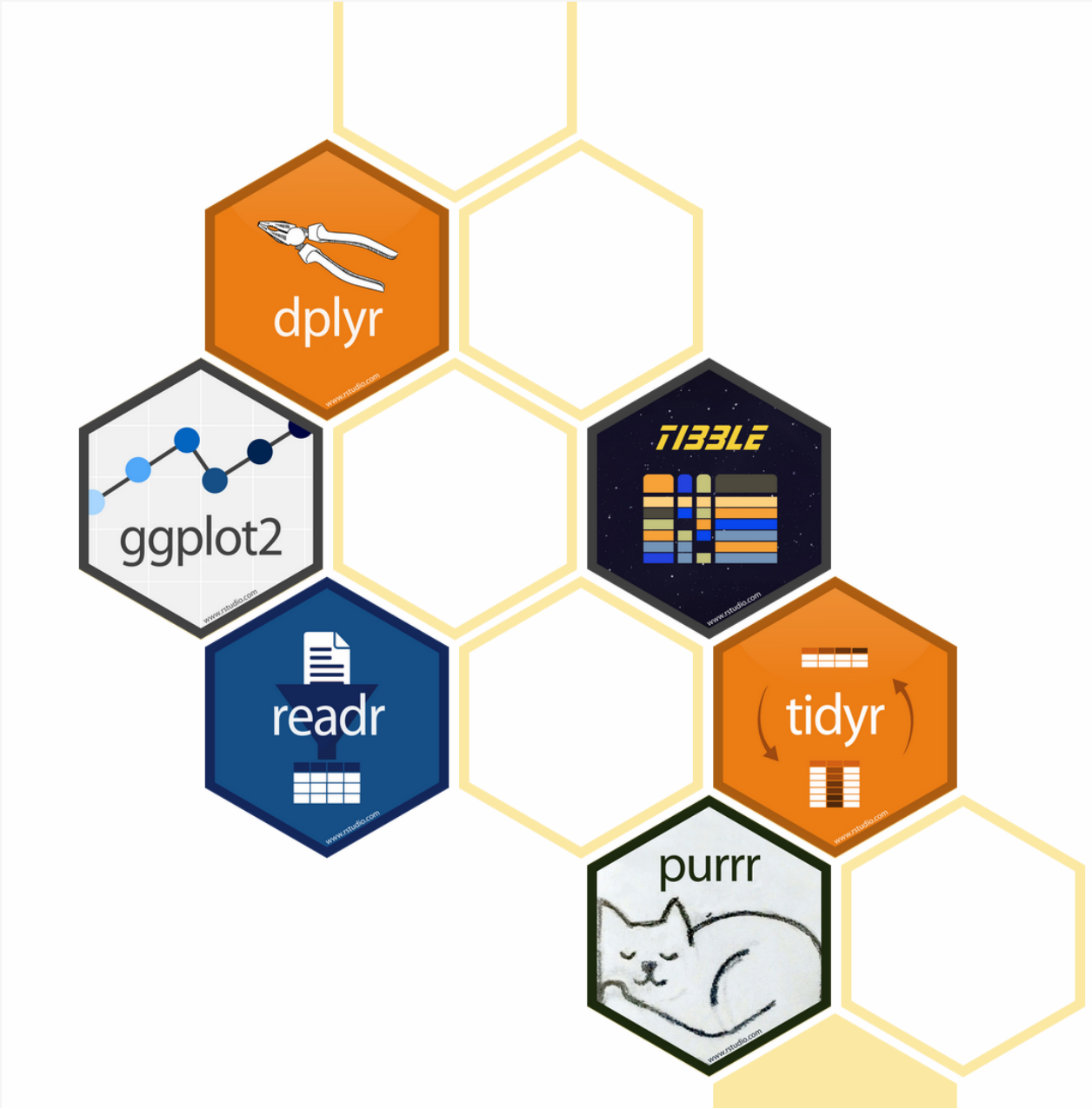
```
as_tibble(cars) |>
  filter(speed > 4) |>
  ggplot() +
  aes(x = speed) +
  aes(y = dist) +
  geom_point(
    alpha = .8,
    color = "blue"
    )
```



Chunk Breaks

```
as_tibble(cars) |>
  filter(speed > 4) |>
  ggplot() +
  aes(x = speed) +
  aes(y = dist) +
  geom_point(
    alpha = .8,
    color = "blue"
    ) +
  aes(size = speed)
```




dplyr
ggplot2
tibble
readr
tidyr
purrr

Input and Output

```
# Lorem Ipsum

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ullamco laboris nisi ut aliquip ex ea commodo consequat.
```

```r
library(ggplot2)
tea <- rnorm(100)
biscuits <- tea + rnorm(100, 0, 1.3)
data <- data.frame(tea, biscuits)
p <- ggplot(data, aes(x = tea, y = biscuits)) +
    geom_point() +
    geom_smooth(method = "lm") +
    labs(x = "Tea", y = "Biscuits") + theme_bw()
print(p)
```

```
Duis aute irure dolor in reprehenderit in voluptate velit esse
cillum dolore eu fugiat nulla pariatur. Excepteur sint
occaecat cupidatat non proident, sunt in culpa qui officia
deserunt mollit anim id est laborum.
```

1. Lorem Ipsum

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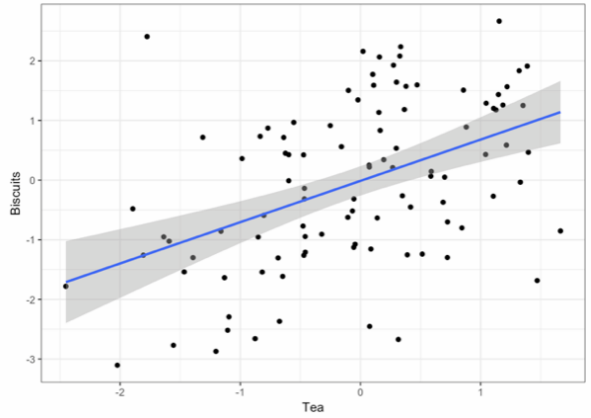

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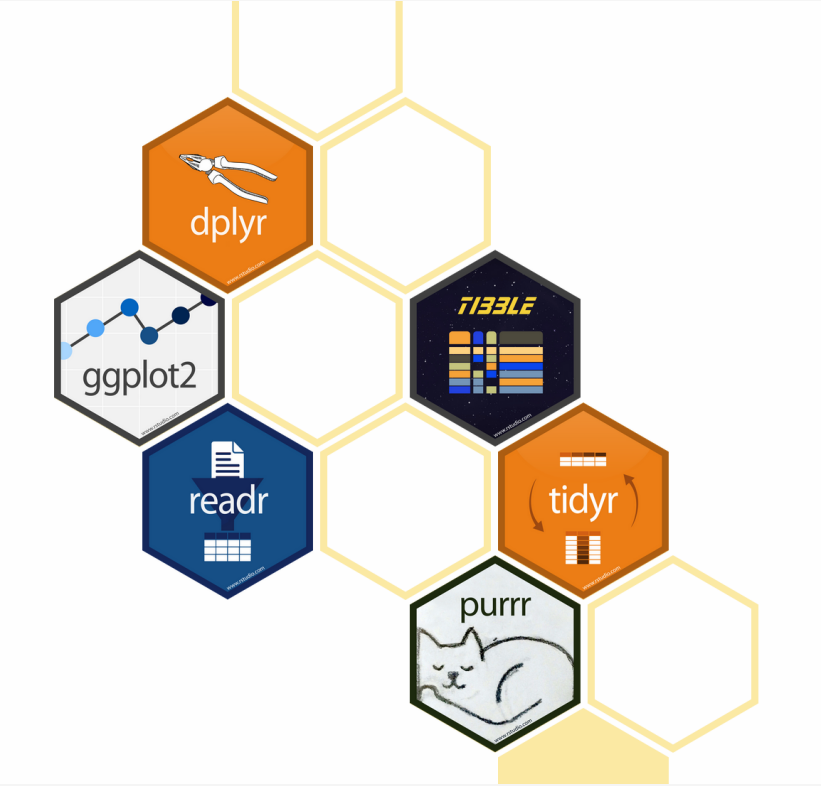
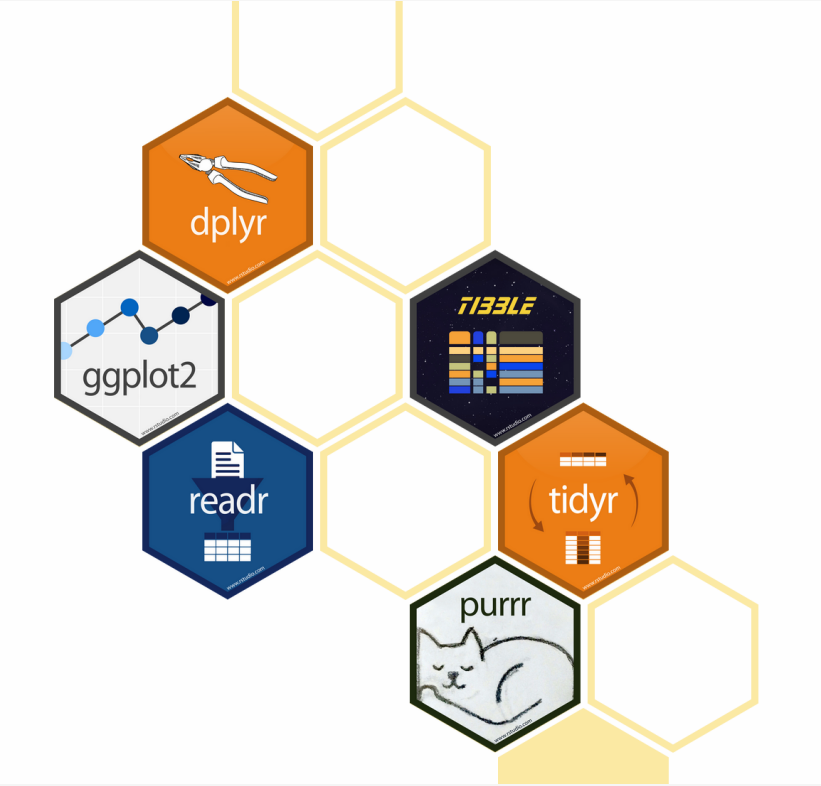
Pull left and right

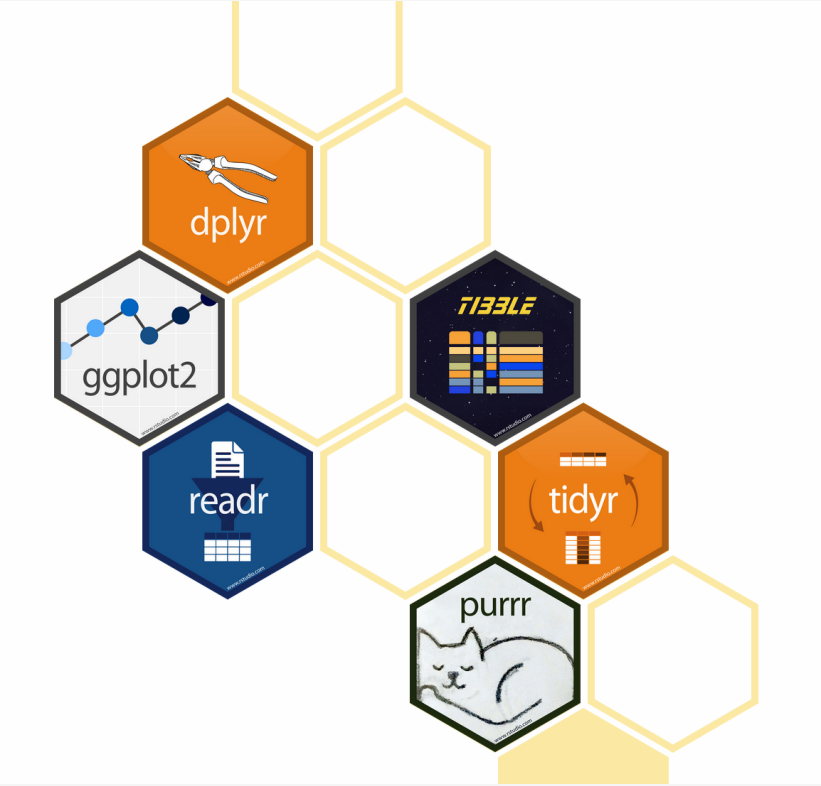


Pull left and right



Introduction

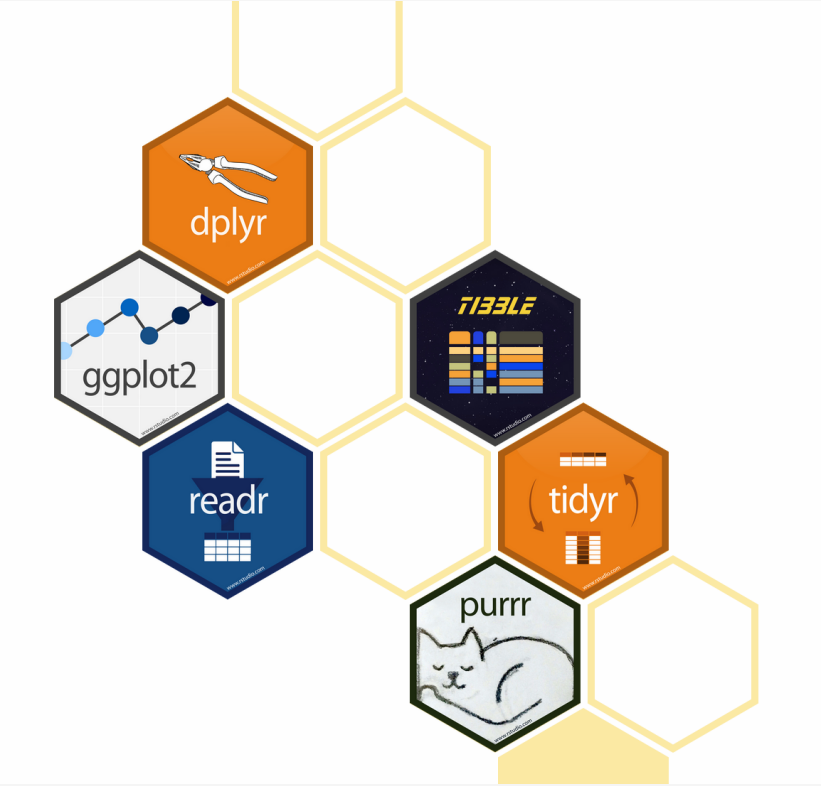
Pull left and right



Introduction

Deep-dive

Pull left and right



Introduction

Deep-dive

Some more

Pull left and right

Option 1

- Item L1
- Item L2
- Item L3

Pull left and right

Option 1

Item L1

Item L2

Item L3

Option 2

Item R1

Item R2

Item R3

Scale Images small

Scale images medium