

Tugas Modul 7

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1

```
library(dslabs)
library(tidyverse)

## -- Attaching packages ----- tidyverse
1.3.1 --

## v ggplot2 3.3.5      v purrr 0.3.4
## v tibble 3.1.4       v dplyr 1.0.7
## v tidyr 1.1.4        v stringr 1.4.0
## v readr 2.0.2        v forcats 0.5.1

## -- Conflicts -----
tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()

data("murders")
murders_tibble = as_tibble("murders")
```

2

```
murders %>% group_by(region) %>% class()

## [1] "grouped_df" "tbl_df"      "tbl"        "data.frame"
```

3

```
murders %>% mutate(rate = log(population)) %>%
summarize(mean = mean(rate)) %>%
summarise(exp = exp(mean)) %>%
pull(exp)

## [1] 3675209
```

4

```
library(purrr)
s_n <- function(n){
  x <- 1:n
  tibble(sum = sum(x))
}
n <- 1:100
s_n_2 = s_n
```

```
tes <- map_df(n, s_n)
tes2 <- map_df(n, s_n_2)
```