

Examples

In this example we will look at a dataset that might be used with the pair t-test.

Example of *tibble()* and *tribble()* functions to create a data_frame.

```
library(tidyverse)

BP_narrow <- tibble(
  x = c("a", "b"),
  y = c(1,2),
  z = c(3.6, 8.5)
)

BP_narrow <- tribble(
  ~x, ~y, ~z,
  "a", 2, 3.6,
  "b", 1, 8.5
)
```

Example of *spread()* and *gather()*.

```
BP_narrow <- tribble(
  ~subject, ~when, ~spb,
  "BHO", "before", 160,
  "GWB", "before", 120,
  "WJC", "before", 105,
  "BHO", "after", 115,
  "GWB", "after", 135,
  "WJC", "after", 145
)

BP_wide <- BP_narrow %>% spread(key = when, value = spb)
BP_wide

## # A tibble: 3 x 3
##   subject after before
##   <chr>   <dbl> <dbl>
## 1 BHO      115    160
## 2 GWB      135    120
## 3 WJC      145    105

BP_narrow <- BP_wide %>% gather(key = when, value = spb, after, before)
BP_narrow

## # A tibble: 6 x 3
##   subject when    spb
##   <chr>   <chr> <dbl>
## 1 BHO     after    115
```

##	2	GWB	after	135
##	3	WJC	after	145
##	4	BHO	before	160
##	5	GWB	before	120
##	6	WJC	before	105