

# Simple Tables Demo Doc

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# 1 Data

Mostly working with this data; but some others come in later to illustrate certain features.

```
library(pmtables)
library(yspec)
spec <- ys_help$spec()
```

```
pmdata <- readRDS("datasets/pmdata.RDS")
head(pmdata)
```

```
## # A tibble: 6 x 9
##   STUDYf      DOSEf FORMf   WT   CRCL AGE   N     ALB   SCR
##   <chr>      <chr> <chr>  <chr> <chr> <chr> <chr> <chr> <chr>
## 1 12-DEMO-001 100 mg tablet  71.4  104  33.7  80    4.20  1.06
## 2 12-DEMO-001 150 mg capsule 89.4  122  24.4  16    4.63  1.12
## 3 12-DEMO-001 150 mg tablet  81.7  104  34.4  48    3.83  0.910
## 4 12-DEMO-001 150 mg troche 94.0  93.2  27.4  16    4.94  1.25
## 5 12-DEMO-001 200 mg tablet  67.9  100  27.5  64    4.25  1.10
## 6 12-DEMO-001 200 mg troche 76.6  99.2  22.8  16    4.54  1.15
```

```
data <- select(pmdata, STUDY = STUDYf, DOSE = DOSEf, WT, AGE, CRCL, ALB, SCR)
```

## 2 wrap

There is a wrap function in this document. Don't worry about that; it just puts the output into a table environment and sends the output to get rendered in markdown.

### 3 Simple table

- Columns are in bold by default (can be turned off)

```
data %>% stable() %>% pt_wrap(stdout())
```

STUDY	DOSE	WT	AGE	CRCL	ALB	SCR
12-DEMO-001	100 mg	71.4	33.7	104	4.20	1.06
12-DEMO-001	150 mg	89.4	24.4	122	4.63	1.12
12-DEMO-001	150 mg	81.7	34.4	104	3.83	0.910
12-DEMO-001	150 mg	94.0	27.4	93.2	4.94	1.25
12-DEMO-001	200 mg	67.9	27.5	100	4.25	1.10
12-DEMO-001	200 mg	76.6	22.8	99.2	4.54	1.15
12-DEMO-002	100 mg	61.3	38.3	113	4.04	1.28
12-DEMO-002	100 mg	77.6	29.9	106	4.31	0.981
12-DEMO-002	50 mg	74.1	37.1	112	4.44	0.900
12-DEMO-002	50 mg	71.2	34.1	106	4.63	0.868
12-DEMO-002	75 mg	72.4	38.2	105	3.89	0.900
12-DEMO-002	75 mg	71.6	34.2	98.9	4.49	0.991
12-DEMO-002	75 mg	73.6	49.2	103	4.52	0.930

## 4 Long table

```
data <- ptdata()
data <- map_dfr(1:5, ~ data) %>% arrange(STUDYf,SEXf)
```

```
data %>%
  stable_long(
    panel = "STUDYf", col_bold = TRUE,
    units = ys_get_unit(spec, parens = TRUE),
    notes = "The results look great!",
    clear_reps = "SEXf",
    col_rename = c("Sex" = "SEXf", "Study" = "STUDYf"),
    r_file = "foo.R", output_file = "../deliv/table/output.tex",
    note_config = noteconf(type = "minipage", width = 0.5, table_skip = 0.2)
  ) %>% as.character() %>% writeLines
```

```
{
```

Sex	WT (kg)	SCR (mg/dL)	ALB (g/dL)	N
<b>12-DEMO-001</b>				
male	76.3	1.09	4.33	10
	76.3	1.09	4.33	10
	76.3	1.09	4.33	10
	76.3	1.09	4.33	10
	76.3	1.09	4.33	10
female	70.0	1.01	4.25	20
	70.0	1.01	4.25	20
	70.0	1.01	4.25	20
	70.0	1.01	4.25	20
	70.0	1.01	4.25	20
<b>12-DEMO-002</b>				
male	71.9	1.01	4.57	18
	71.9	1.01	4.57	18
	71.9	1.01	4.57	18
	71.9	1.01	4.57	18
	71.9	1.01	4.57	18
female	72.6	0.949	4.42	32
	72.6	0.949	4.42	32
	72.6	0.949	4.42	32
	72.6	0.949	4.42	32
	72.6	0.949	4.42	32
<b>11-DEMO-005</b>				
male	69.2	2.51	4.46	29
	69.2	2.51	4.46	29
	69.2	2.51	4.46	29

*continued ...*

Sex	WT (kg)	SCR (mg/dL)	ALB (g/dL)	N
female	69.2	2.51	4.46	29
	69.2	2.51	4.46	29
	67.9	2.53	4.26	11
	67.9	2.53	4.26	11
	67.9	2.53	4.26	11
	67.9	2.53	4.26	11
	67.9	2.53	4.26	11
<b>13-DEMO-001</b>				
male	71.1	0.922	3.68	23
	71.1	0.922	3.68	23
	71.1	0.922	3.68	23
	71.1	0.922	3.68	23
	71.1	0.922	3.68	23
female	67.0	0.988	3.45	17
	67.0	0.988	3.45	17
	67.0	0.988	3.45	17
	67.0	0.988	3.45	17
	67.0	0.988	3.45	17

---

The results look great!

Source code: foo.R

Source file: output.tex

}

## 5 Annotate

- Arguments to identify the name of the generating R script and the output file name
- The output file name is retained as an attribute to be used later when saving the table data
- Arbitrary notes are also allowed (encouraged)

```
stable(  
  data[1:10,],  
  r_file = "foo.R",  
  output_file = "foo.tex",  
  notes = c("Data were analyzed in quadruplicate.", "The results are very clear."),  
) %>% pt_wrap(stdout())
```

STUDYf	SEXf	WT	SCR	ALB	N
12-DEMO-001	male	76.3	1.09	4.33	10
12-DEMO-001	male	76.3	1.09	4.33	10
12-DEMO-001	male	76.3	1.09	4.33	10
12-DEMO-001	male	76.3	1.09	4.33	10
12-DEMO-001	male	76.3	1.09	4.33	10
12-DEMO-001	female	70.0	1.01	4.25	20
12-DEMO-001	female	70.0	1.01	4.25	20
12-DEMO-001	female	70.0	1.01	4.25	20
12-DEMO-001	female	70.0	1.01	4.25	20
12-DEMO-001	female	70.0	1.01	4.25	20

Data were analyzed in quadruplicate.

The results are very clear.

Source code: foo.R

Source file: foo.tex