Simple Tables Demo Doc

Contents

```r
library(dplyr)
library(purrr)
library(yspec)
library(pmtables)

spec <- ys_help$spec()

units <- ys_get_unit(spec, parens = TRUE)
```

1 Basic table

```
out <- stable(pmt_summarized)

pt_wrap(out, con = stdout())
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

```
if(params$save) {
  stable_save(out, file = "basic-table.tex", dir = params$dir)
}
```

2 Bold cols

```
out <- stable(pmt_summarized, cols_bold = TRUE)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	**DOSE**	**FORM**	**N**	**WT**	**CRCL**	**AGE**	**ALB**	**SCR**
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "basic-table-bold.tex", dir = params$dir)
}
```

3 File names

```r
out <- stable(pmt_summarized, r_file = "validate.Rmd", output_file = "file-names.tex")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

Source code: validate.Rmd
Source file: file-names.tex

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, dir = params$dir)
}
file.exists("file-names.tex")
```

```
## [1] TRUE
```

4   Notes tpt

```r
out <- stable(pmt_summarized, notes = c("WT: weight", "ALB: albumin"))

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

WT: weight
ALB: albumin

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "notes-tpt.tex", dir = params$dir)
}
```

5 Notes minipage

```
conf <- noteconf(type = 'minipage')

out <- stable(pmt_summarized, notes = c("WT: weight", "ALB: albumin"), note_config = conf)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable}

WT: weight
ALB: albumin

\end{table}

```
if(params$save) {
  stable_save(out, file = "notes-mini.tex", dir = params$dir)
}
```

6 Panel basic

```
out <- stable(pmt_summarized, panel = "STUDY")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001							
100 mg	tablet	80	71.4	104	33.7	4.20	1.06
150 mg	capsule	16	89.4	122	24.4	4.63	1.12
150 mg	tablet	48	81.7	104	34.4	3.83	0.910
150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
200 mg	tablet	64	67.9	100	27.5	4.25	1.10
200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002							
100 mg	capsule	36	61.3	113	38.3	4.04	1.28
100 mg	tablet	324	77.6	106	29.9	4.31	0.981
50 mg	capsule	36	74.1	112	37.1	4.44	0.900
50 mg	tablet	324	71.2	106	34.1	4.63	0.868
75 mg	capsule	36	72.4	105	38.2	3.89	0.900
75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "panel-basic.tex", dir = params$dir)
}
```

7 Panel prefix

```
out <- stable(pmt_summarized, panel = as.panel("STUDY", prefix = "Study: "))

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
Study: 12-DEMO-001							
100 mg	tablet	80	71.4	104	33.7	4.20	1.06
150 mg	capsule	16	89.4	122	24.4	4.63	1.12
150 mg	tablet	48	81.7	104	34.4	3.83	0.910
150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
200 mg	tablet	64	67.9	100	27.5	4.25	1.10
200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
Study: 12-DEMO-002							
100 mg	capsule	36	61.3	113	38.3	4.04	1.28
100 mg	tablet	324	77.6	106	29.9	4.31	0.981
50 mg	capsule	36	74.1	112	37.1	4.44	0.900
50 mg	tablet	324	71.2	106	34.1	4.63	0.868
75 mg	capsule	36	72.4	105	38.2	3.89	0.900
75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "panel-prefix.tex", dir = params$dir)
}
```

8 Clear reps

```r
out <- stable(pmt_summarized, clear_reps = "STUDY")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "clear-reps.tex", dir = params$dir)
}
```

9 Clear grouped reps

```
out <- stable(pmt_summarized, clear_grouped_reps = "STUDY,DOSE")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
		tablet	48	81.7	104	34.4	3.83	0.910
		troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
		troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
		tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
		tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
		tablet	288	71.6	98.9	34.2	4.49	0.991
		troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "clear-grouped-reps.tex", dir = params$dir)
}
```

10 hline at

```
out <- stable(pmt_summarized, hline_at = c(2,4,6))

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "hline-at.tex", dir = params$dir)
}
```

11   hline from

```
out <- stable(pmt_summarized, hline_from = "STUDY")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "hline-from.tex", dir = params$dir)
}
```

12 hline from with clear

```
out <- stable(pmt_summarized, hline_from = "STUDY", clear_reps = "STUDY")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "hline-from-clear.tex", dir = params$dir)
}
```

13 Align

```
align <- cols_center(.outer = 'lr', DOSE = 'r')

out <- stable(pmt_summarized, align = align)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
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12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "align.tex", dir = params$dir)
}
```

14 rename

```
out <- stable(pmt_summarized, cols_rename = c(Weight = "WT", Dose = "DOSE"))

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	Dose	FORM	N	Weight	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
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12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "col-rename.tex", dir = params$dir)
}
```

15 blank

```r
out <- stable(pmt_summarized, cols_blank = "WT,ALB")

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N		CRCL	AGE		SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "col-blank.tex", dir = params$dir)
}
```

16 multi-line

```
out <- stable(pmt_summarized, cols_rename = c("Protocol...Number" = "STUDY", Weight = "WT"))

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

Protocol Number	DOSE	FORM	N	Weight	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "col-multi-line.tex", dir = params$dir)
}
```

17 multi-line units

```
out <- stable(
  pmt_summarized,
  cols_rename = c("Protocol...Number" = "STUDY", Weight = "WT"),
  units = units
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

Protocol Number	DOSE	FORM	N	Weight (kg)	CRCL (ml/min)	AGE (years)	ALB (g/dL)	SCR (mg/dL)
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "col-multi-line-units.tex", dir = params$dir)
}
```

18 span

```
out <- stable(
  pmt_summarized,
  span = colgroup("Final model", AGE:CRCL)
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
					Final model			
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "span.tex", dir = params$dir)
}
```

19　span levels

```r
out <- stable(
  pmt_summarized,
  span = list(
    colgroup("All covariates", WT:SCR, level = 2),
    colgroup("Final model", AGE:CRCL)
  )
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

| | | | | | **All covariates** | | | |
| | | | | | **Final model** | | | |
STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "span-levels.tex", dir = params$dir)
}
```

20 Row spacing

```
out <- stable(
  pmt_summarized,
  sizes = tab_size(row = 0.8)
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "row-space.tex", dir = params$dir)
}
```

21 Col spacing

```
out <- stable(
  pmt_summarized,
  sizes = tab_size(col = 15)
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "col-space.tex", dir = params$dir)
}
```

22 Header spacing

- Extra space between table rows
- Tight space betwen header rows

```
out <- stable(
  pmt_summarized,
  cols_rename = c("Clinical ... Study ... Number" = "STUDY"),
  sizes = tab_size(row = 2.4, header_row = -1.4)
)

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

Clinical Study Number	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "header-space.tex", dir = params$dir)
}
```

23 Continuous long panel

```
out <- pt_cont_long(
  pmt_first, cols = "WT,CRCL,ALB", panel = "STUDYf",
  units = units
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

Variable	n	Mean	Median	SD	Min / Max
12-DEMO-001					
WT (kg)	29	72.2	70.0	14.3	50.9 / 97.2
CRCL (ml/min)	29	106	104	9.46	93.2 / 126
ALB (g/dL)	29	4.28	4.08	0.474	3.56 / 5.15
12-DEMO-002					
WT (kg)	49	72.4	72.1	11.5	51.5 / 96.6
CRCL (ml/min)	49	103	103	8.35	90.6 / 121
ALB (g/dL)	50	4.47	4.43	0.468	3.65 / 5.39
11-DEMO-005					
WT (kg)	39	68.9	65.4	14.5	43.6 / 92.8
CRCL (ml/min)	39	58.8	56.2	29.7	15.4 / 103
ALB (g/dL)	39	4.41	4.44	0.537	3.51 / 5.39
13-DEMO-001					
WT (kg)	40	69.4	68.1	11.6	50.7 / 96.6
CRCL (ml/min)	37	102	102	8.19	90.7 / 119
ALB (g/dL)	38	3.58	3.65	1.15	1.28 / 5.38
All data					
WT (kg)	157	70.7	70.0	12.8	43.6 / 97.2
CRCL (ml/min)	154	92.1	98.8	25.5	15.4 / 126
ALB (g/dL)	156	4.20	4.32	0.793	1.28 / 5.39

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "continuous-long-panel.tex", dir = params$dir)
}
```

24 Continuous wide by

```
out <- pt_cont_wide(
  pmt_first,
  cols = "WT,CRCL,ALB", by = "STUDYf",
  units = units
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDYf	WT (kg)	CRCL (ml/min)	ALB (g/dL)
12-DEMO-001	72.2 (14.3) [29]	106 (9.46) [29]	4.28 (0.474) [29]
12-DEMO-002	72.4 (11.5) [49]	103 (8.35) [49]	4.47 (0.468) [50]
11-DEMO-005	68.9 (14.5) [39]	58.8 (29.7) [39]	4.41 (0.537) [39]
13-DEMO-001	69.4 (11.6) [40]	102 (8.19) [37]	3.58 (1.15) [38]
All data	70.7 (12.8) [157]	92.1 (25.5) [154]	4.20 (0.793) [156]

Summary is mean (sd) [count]

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "continuous-wide-by.tex", dir = params$dir)
}
```

25 Categorical long by

```
out <- pt_cat_long(
  pmt_first,
  cols = "SEXf,RFf,FORMf",
  span = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

	STUDYf				
	12-DEMO-001	12-DEMO-002	11-DEMO-005	13-DEMO-001	**All Groups**
SEXf					
male	10 (33.3)	18 (36.0)	29 (72.5)	23 (57.5)	80 (50.0)
female	20 (66.7)	32 (64.0)	11 (27.5)	17 (42.5)	80 (50.0)
RFf					
normal	30 (100.0)	50 (100.0)	10 (25.0)	40 (100.0)	130 (81.2)
mild	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
moderate	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
severe	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)	10 (6.2)
FORMf					
tablet	25 (83.3)	42 (84.0)	30 (75.0)	33 (82.5)	130 (81.2)
capsule	3 (10.0)	6 (12.0)	3 (7.5)	3 (7.5)	15 (9.4)
troche	2 (6.7)	2 (4.0)	7 (17.5)	4 (10.0)	15 (9.4)

Summary is count (percent)

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "cat-long-span.tex", dir = params$dir)
}
```

26 Categorical wide by panel

```
out <- pt_cat_wide(
  pmt_first,
  cols = "SEXf,RFf",
  by = "FORMf",
  panel = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

	SEXf		RFf			
FORMf	male	female	normal	mild	moderate	severe
12-DEMO-001						
tablet	7 (28.0)	18 (72.0)	25 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	2 (100.0)	0 (0.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
12-DEMO-002						
tablet	16 (38.1)	26 (61.9)	42 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	2 (33.3)	4 (66.7)	6 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	0 (0.0)	2 (100.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
11-DEMO-005						
tablet	20 (66.7)	10 (33.3)	9 (30.0)	7 (23.3)	6 (20.0)	8 (26.7)
capsule	3 (100.0)	0 (0.0)	0 (0.0)	2 (66.7)	0 (0.0)	1 (33.3)
troche	6 (85.7)	1 (14.3)	1 (14.3)	1 (14.3)	4 (57.1)	1 (14.3)
13-DEMO-001						
tablet	19 (57.6)	14 (42.4)	33 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
capsule	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
troche	3 (75.0)	1 (25.0)	4 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
All data	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "cat-wide-by-panel.tex", dir = params$dir)
}
```

27 Inventory by

```
out <- pt_data_inventory(
  pmt_pk,
  by = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDYf	Number				Percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL
12-DEMO-001	30	8	427	15	13.9	0.5
12-DEMO-002	50	10	1152	38	37.4	1.2
11-DEMO-005	40	10	920	30	29.9	1.0
13-DEMO-001	40	7	582	11	18.9	0.4
All data	160	35	3081	94	100.0	3.1

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "inventory-by.tex", dir = params$dir)
}
```

28 Inventory panel by

```
out <- pt_data_inventory(
  pmt_pk,
  panel = "FORMf",
  by = "STUDYf"
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDYf	Number				Group percent		Overall percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL	OBS	BQL
tablet								
12-DEMO-001	25	8	356	11	14.3	0.4	11.6	0.4
12-DEMO-002	42	7	969	32	38.9	1.3	31.5	1.0
11-DEMO-005	30	9	687	24	27.6	1.0	22.3	0.8
13-DEMO-001	33	6	479	10	19.2	0.4	15.5	0.3
capsule								
12-DEMO-001	3	0	41	4	14.0	1.4	1.3	0.1
12-DEMO-002	6	2	137	5	46.8	1.7	4.4	0.2
11-DEMO-005	3	1	70	1	23.9	0.3	2.3	0.0
13-DEMO-001	3	0	45	0	15.4	0.0	1.5	0.0
troche								
12-DEMO-001	2	0	30	0	10.1	0.0	1.0	0.0
12-DEMO-002	2	1	46	1	15.5	0.3	1.5	0.0
11-DEMO-005	7	0	163	5	54.9	1.7	5.3	0.2
13-DEMO-001	4	1	58	1	19.5	0.3	1.9	0.0
All data	160	35	3081	94	—	—	100.0	3.1

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations

\end{threeparttable} \end{table}

```
if(params$save) {
  stable_save(out, file = "inventory-panel-by.tex", dir = params$dir)
}
```

29 Inventory stacked

```r
out <- pt_data_inventory(
  pmt_obs,
  by = "STUDYf",
  panel = "SEQf",
  stacked = TRUE
) %>% as_stable()

pt_wrap(out, con = stdout())
```

\begin{table}[h] \begin{threeparttable}

STUDYf	Number				Percent	
	SUBJ	MISS	OBS	BQL	OBS	BQL
DEMO PK						
12-DEMO-001	30	8	427	15	13.9	0.5
12-DEMO-002	50	10	1152	38	37.4	1.2
11-DEMO-005	40	10	920	30	29.9	1.0
13-DEMO-001	40	7	582	11	18.9	0.4
Group Total	160	35	3081	94	100.0	3.1
ESTRDIOL						
11-DEMO-005	40	0	40	0	50.6	0.0
13-DEMO-001	40	1	39	0	49.4	0.0
Group Total	80	1	79	0	100.0	0.0
BMD						
11-DEMO-005	40	9	111	0	49.1	0.0
13-DEMO-001	40	5	115	0	50.9	0.0
Group Total	80	14	226	0	100.0	0.0

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations

\end{threeparttable} \end{table}

```r
if(params$save) {
  stable_save(out, file = "inventory-stacked.tex", dir = params$dir)
}
```