

Previous pmtables implemented with stable framework

Contents

1	Setup	1
2	Data inventory tables	2
2.1	Stacked by endpoint	2
2.2	Paneled	3
2.3	Grouped (by study)	4
3	Wide categorical table	5
3.1	Basic	5
3.2	Paneled (limited utility, IMO)	5
3.3	Grouped (by male / female)	6
3.4	Paneled and grouped	7
4	Long categorical table	8
4.1	Ungrouped	8
4.2	Gropued (by formulation)	9
5	Wide continuous table	10
5.1	Ungrouped	10
5.2	Paneled	10
5.3	Grouped (by study)	11
5.4	Paneled and grouped	12
6	Long continuous table	13
6.1	Ungrouped	13

1 Setup

```
units = ys_get_unit(ys_help$spec(), parens = TRUE)
```

```
data <- pmtables:::data("all") %>% filter(SEQ > 0)
d <- filter(data, SEQ==1)
```

2 Data inventory tables

2.1 Stacked by endpoint

```
x <- pt_data_inventory(  
  data,  
  by = vars(Study = "STUDYf"),  
  panel = vars("Endpoint" = "SEQf"),  
  stacked = TRUE  
) %>% as_stable(  
  wrapw = TRUE, r_file = "test.R", output_file = "test.tex",  
  panel = rowpanel(.cols("Endpoint:" = "SEQf"), prefix_name = TRUE)  
)
```

STUDYf	Number.SUBJ	Number.MISS	Number.OBS	Number.BQL	Percent.OBS	Percent.BQL
Endpoint: 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
<i>Group Total</i>	160	35	3081	94	100.0	3.1
Endpoint: ESTRDIOL						
11-DEMO-005	40	0	40	0	50.6	0.0
13-DEMO-001	40	1	39	0	49.4	0.0
<i>Group Total</i>	80	1	79	0	100.0	0.0
Endpoint: BMD						
11-DEMO-005	40	9	111	0	49.1	0.0
13-DEMO-001	40	5	115	0	50.9	0.0
<i>Group Total</i>	80	14	226	0	100.0	0.0

SUBJ: subjects

BQL: below quantitation limit

MISS: missing observations (not BQL)

OBS: observations

2.2 Paneled

```
pt_data_inventory(
  d,
  by = vars(Study = "STUDYf"),
  panel = vars(Race = ASIANf)
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

STUDYf	Number.SUBJ	Number.MISS	Number.OBS	Number.BQL	Group percent.OBS	Group percent.BQL	Overall percent.OBS
Asian							
12-DEMO-001	17	4	241	10	19.5	0.8	19.5
12-DEMO-002	18	4	414	14	33.4	1.1	33.4
11-DEMO-005	16	5	366	13	29.5	1.0	29.5
13-DEMO-001	15	3	218	4	17.6	0.3	17.6
non-Asian							
12-DEMO-001	13	4	186	5	10.1	0.3	10.1
12-DEMO-002	32	6	738	24	40.1	1.3	40.1
11-DEMO-005	24	5	554	17	30.1	0.9	30.1
13-DEMO-001	25	4	364	7	19.8	0.4	19.8
All data	160	35	3081	94	—	—	20.2

SUBJ: subjects

BQL: below quantitation limit

MISS: missing observations (not BQL)

OBS: observations

2.3 Grouped (by study)

```
pt_data_inventory(  
  d,  
  by = vars(Study = "STUDYf")  
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

STUDYf	Number.SUBJ	Number.MISS	Number.OBS	Number.BQL	Percent.OBS	Percent.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

3 Wide categorical table

3.1 Basic

```
pt_cat_wide(  
  data = data,  
  cols = vars(Formulation = FORMf, Sex = SEXf, "Race group" = ASIANf)) %>%  
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Formulation.tablet	Formulation.capsule	Formulation.troche	Sex.male	Sex.female	Race group.Asian	Race group.non
130 (81.2)	15 (9.4)	15 (9.4)	80 (50.0)	80 (50.0)	66 (41.2)	94 (58.8)

Summary is count (percent)

3.2 Paneled (limited utility, IMO)

```
pt_cat_wide(  
  data = data,  
  cols = vars(Formulation = FORMf, Sex = SEXf, "Race group" = ASIANf),  
  panel = c(Study = "STUDYf")) %>%  
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Formulation.tablet	Formulation.capsule	Formulation.troche	Sex.male	Sex.female	Race group.Asian	Race group.non
12-DEMO-001						
25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
12-DEMO-002						
42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
11-DEMO-005						
30 (75.0)	3 (7.5)	7 (17.5)	29 (72.5)	11 (27.5)	16 (40.0)	24 (60.0)
13-DEMO-001						
33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)
All data						
130 (81.2)	15 (9.4)	15 (9.4)	80 (50.0)	80 (50.0)	66 (41.2)	94 (58.8)

Summary is count (percent)

3.3 Grouped (by male / female)

```
pt_cat_wide(  
  data = data,  
  by = vars(Sex = SEXf),  
  cols = vars(Formulation = FORMf, "Race group" = ASIANf)) %>%  
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Sex	Formulation.tablet	Formulation.capsule	Formulation.troche	Race group.Asian	Race group.non-Asian
male	62 (77.5)	7 (8.8)	11 (13.8)	28 (35.0)	52 (65.0)
female	68 (85.0)	8 (10.0)	4 (5.0)	38 (47.5)	42 (52.5)
All data	130 (81.2)	15 (9.4)	15 (9.4)	66 (41.2)	94 (58.8)

Summary is count (percent)

3.4 Paneled and grouped

```
pt_cat_wide(
  data = data,
  cols = vars(Formulation = FORMf, Sex = SEXf, "Race group" = ASIANf),
  panel = c(Study = "STUDYf"),
  by = c("RF Group" = "RFf")) %>%
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

RF Group	Formulation.tablet	Formulation.capsule	Formulation.troche	Sex.male	Sex.female	Race group.Asian	Race group.Caucasian
12-DEMO-001							
normal	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
12-DEMO-002							
normal	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	34 (64.0)
11-DEMO-005							
normal	9 (90.0)	0 (0.0)	1 (10.0)	7 (70.0)	3 (30.0)	3 (30.0)	7 (70.0)
mild	7 (70.0)	2 (20.0)	1 (10.0)	7 (70.0)	3 (30.0)	5 (50.0)	2 (20.0)
moderate	6 (60.0)	0 (0.0)	4 (40.0)	8 (80.0)	2 (20.0)	6 (60.0)	2 (20.0)
severe	8 (80.0)	1 (10.0)	1 (10.0)	7 (70.0)	3 (30.0)	2 (20.0)	9 (90.0)
13-DEMO-001							
normal	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	22 (55.0)
All data	130 (81.2)	15 (9.4)	15 (9.4)	80 (50.0)	80 (50.0)	66 (41.2)	79 (48.8)

Summary is count (percent)

4 Long categorical table

4.1 Ungrouped

```
pt_cat_long(  
  data = data,  
  cols = vars(Study = STUDYf, Sex = SEXf, "Race group" = ASIANf, "Child-Pugh" = CPf)) %>%  
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Summary	
Study	
12-DEMO-001	30 (18.8)
12-DEMO-002	50 (31.2)
11-DEMO-005	40 (25.0)
13-DEMO-001	40 (25.0)
Sex	
male	80 (50.0)
female	80 (50.0)
Race group	
Asian	66 (41.2)
non-Asian	94 (58.8)
Child-Pugh	
Score=0	130 (81.2)
Score=1	10 (6.2)
Score=2	10 (6.2)
Score=3	10 (6.2)
Summary is count (percent)	

4.2 Gropued (by formulation)

```
pt_cat_long(
  data = data,
  cols = vars(Study = STUDYf, Sex = SEXf, "Race group" = ASIANf, "Child-Pugh" = CPf),
  by = c(Formulation = "FORMf")) %>%
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

	Formulation			All Groups
	tablet	capsule	troche	
Study				
12-DEMO-001	25 (19.2)	3 (20.0)	2 (13.3)	30 (18.8)
12-DEMO-002	42 (32.3)	6 (40.0)	2 (13.3)	50 (31.2)
11-DEMO-005	30 (23.1)	3 (20.0)	7 (46.7)	40 (25.0)
13-DEMO-001	33 (25.4)	3 (20.0)	4 (26.7)	40 (25.0)
Sex				
male	62 (47.7)	7 (46.7)	11 (73.3)	80 (50.0)
female	68 (52.3)	8 (53.3)	4 (26.7)	80 (50.0)
Race group				
Asian	53 (40.8)	7 (46.7)	6 (40.0)	66 (41.2)
non-Asian	77 (59.2)	8 (53.3)	9 (60.0)	94 (58.8)
Child-Pugh				
Score=0	106 (81.5)	12 (80.0)	12 (80.0)	130 (81.2)
Score=1	7 (5.4)	1 (6.7)	2 (13.3)	10 (6.2)
Score=2	8 (6.2)	1 (6.7)	1 (6.7)	10 (6.2)
Score=3	9 (6.9)	1 (6.7)	0 (0.0)	10 (6.2)
Summary is count (percent)				

5 Wide continuous table

5.1 Ungrouped

```
pt_cont_wide(  
  data = data,  
  cols = "WT,SCR,AGE,ALB,HT",  
  units = units  
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

WT	SCR	AGE	ALB	HT
(kg)	(mg/dL)	(years)	(g/dL)	(cm)
70.7 (12.8) [157]	1.36 (0.986) [160]	33.7 (8.83) [160]	4.20 (0.793) [156]	179 (17.7) [160]
Summary is mean (sd) [count]				

5.2 Paneled

```
pt_cont_wide(  
  data = data,  
  cols = "WT,SCR,AGE,ALB,HT",  
  panel = c(Study = "STUDYf"),  
  units = units  
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

WT	SCR	AGE	ALB	HT
(kg)	(mg/dL)	(years)	(g/dL)	(cm)
12-DEMO-001				
72.2 (14.3) [29]	1.03 (0.155) [30]	32.0 (9.19) [30]	4.28 (0.474) [29]	180 (19.3) [30]
12-DEMO-002				
72.4 (11.5) [49]	0.971 (0.161) [50]	35.0 (8.20) [50]	4.47 (0.468) [50]	182 (15.4) [50]
11-DEMO-005				
68.9 (14.5) [39]	2.52 (1.43) [40]	32.8 (8.48) [40]	4.41 (0.537) [39]	175 (19.2) [40]
13-DEMO-001				
69.4 (11.6) [40]	0.950 (0.165) [40]	34.2 (9.67) [40]	3.58 (1.15) [38]	179 (17.2) [40]
All data				
70.7 (12.8) [157]	1.36 (0.986) [160]	33.7 (8.83) [160]	4.20 (0.793) [156]	179 (17.7) [160]
Summary is mean (sd) [count]				

5.3 Grouped (by study)

```
pt_cont_wide(  
  data = data,  
  cols = "WT,SCR,AGE,ALB,HT",  
  by = c(Study = "STUDYf"),  
  units = units  
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Study	WT	SCR	AGE	ALB	HT
	(kg)	(mg/dL)	(years)	(g/dL)	(cm)
12-DEMO-001	72.2 (14.3) [29]	1.03 (0.155) [30]	32.0 (9.19) [30]	4.28 (0.474) [29]	180 (19.3) [30]
12-DEMO-002	72.4 (11.5) [49]	0.971 (0.161) [50]	35.0 (8.20) [50]	4.47 (0.468) [50]	182 (15.4) [50]
11-DEMO-005	68.9 (14.5) [39]	2.52 (1.43) [40]	32.8 (8.48) [40]	4.41 (0.537) [39]	175 (19.2) [40]
13-DEMO-001	69.4 (11.6) [40]	0.950 (0.165) [40]	34.2 (9.67) [40]	3.58 (1.15) [38]	179 (17.2) [40]
All data	70.7 (12.8) [157]	1.36 (0.986) [160]	33.7 (8.83) [160]	4.20 (0.793) [156]	179 (17.7) [160]

Summary is mean (sd) [count]

5.4 Paneled and grouped

```
pt_cont_wide(
  data = data,
  cols = "WT,SCR,AGE,ALB,HT",
  by = c(Study = "STUDYf"),
  panel = c(Formulation = "FORMf"),
  units = units
) %>% as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

WT	SCR	AGE	ALB	HT
(kg)	(mg/dL)	(years)	(g/dL)	(cm)
tablet				
71.0 (14.2) [24]	1.01 (0.157) [25]	32.6 (9.23) [25]	4.22 (0.459) [24]	179 (19.7) [25]
72.2 (11.8) [41]	0.966 (0.166) [42]	34.0 (7.93) [42]	4.49 (0.495) [42]	182 (15.9) [42]
68.8 (15.2) [29]	2.48 (1.47) [30]	33.2 (8.73) [30]	4.37 (0.568) [29]	173 (19.7) [30]
69.4 (11.0) [33]	0.967 (0.163) [33]	33.7 (9.67) [33]	3.53 (1.14) [31]	178 (16.5) [33]
capsule				
72.9 (17.3) [3]	1.12 (0.0700) [3]	32.2 (12.0) [3]	4.49 (0.593) [3]	184 (23.0) [3]
70.9 (10.3) [6]	1.03 (0.146) [6]	37.7 (7.59) [6]	4.38 (0.354) [6]	181 (15.4) [6]
73.9 (11.1) [3]	3.06 (2.19) [3]	31.8 (4.99) [3]	4.65 (0.240) [3]	181 (16.4) [3]
58.4 (4.04) [3]	0.973 (0.195) [3]	36.5 (6.69) [3]	3.09 (1.50) [3]	167 (8.88) [3]
troche				
85.3 (12.4) [2]	1.20 (0.0707) [2]	25.1 (3.28) [2]	4.74 (0.283) [2]	194 (0.163) [2]
79.7 (8.61) [2]	0.910 (0.0283) [2]	48.0 (1.79) [2]	4.49 (0.0354) [2]	182 (10.9) [2]
66.8 (13.9) [7]	2.45 (1.05) [7]	31.4 (9.34) [7]	4.49 (0.509) [7]	177 (19.8) [7]
77.4 (15.9) [4]	0.795 (0.0777) [4]	37.3 (12.9) [4]	4.32 (0.994) [4]	193 (22.4) [4]
All data				
70.7 (12.8) [157]	1.36 (0.986) [160]	33.7 (8.83) [160]	4.20 (0.793) [156]	179 (17.7) [160]
Summary is mean (sd) [count]				

6 Long continuous table

6.1 Ungrouped

```
pt_cont_long(  
  data = data,  
  cols = "WT,SCR,AGE",  
  units = units) %>%  
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Variable	n	Mean	Median	SD	Min / Max
WT (kg)	157	70.7	70.0	12.8	43.6 / 97.2
SCR (mg/dL)	160	1.36	1.04	0.986	0.710 / 5.59
AGE (years)	160	33.7	33.4	8.83	18.9 / 49.5

```
pt_cont_long(
  data = data,
  cols = "WT,SCR,AGE",
  panel = vars(Study = STUDYf),
  units = units) %>%
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

Variable	n	Mean	Median	SD	Min / Max
12-DEMO-001					
WT (kg)	29	72.2	70.0	14.3	50.9 / 97.2
SCR (mg/dL)	30	1.03	1.04	0.155	0.740 / 1.30
AGE (years)	30	32.0	28.0	9.19	19.9 / 47.8
12-DEMO-002					
WT (kg)	49	72.4	72.1	11.5	51.5 / 96.6
SCR (mg/dL)	50	0.971	0.970	0.161	0.720 / 1.30
AGE (years)	50	35.0	36.0	8.20	20.3 / 49.2
11-DEMO-005					
WT (kg)	39	68.9	65.4	14.5	43.6 / 92.8
SCR (mg/dL)	40	2.52	2.33	1.43	0.720 / 5.59
AGE (years)	40	32.8	33.4	8.48	19.2 / 49.5
13-DEMO-001					
WT (kg)	40	69.4	68.1	11.6	50.7 / 96.6
SCR (mg/dL)	40	0.950	0.975	0.165	0.710 / 1.26
AGE (years)	40	34.2	35.2	9.67	18.9 / 49.5
All data					
WT (kg)	157	70.7	70.0	12.8	43.6 / 97.2
SCR (mg/dL)	160	1.36	1.04	0.986	0.710 / 5.59
AGE (years)	160	33.7	33.4	8.83	18.9 / 49.5