Previous pmtables implemented with stable framework

Contents

1 Setup

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

```
data <- pmt_first
data_pk <- pmt_pk
data_all <- pmt_obs
```

2 Data inventory tables

- Count number of
  - individuals
  - observations
  - BQL observations
  - missing values
- Calculate the percent of observations or BQL in different sub groups

2.1 Stacked by endpoint

- The stacked plot creates multiple independent tables to summarize different endpoints; there is no single overall summary for the table because we are summarizing different endpoints

```
x <- pt_data_inventory(
  data_all,
  by = c(Study = "STUDYf"),
  panel = as.panel("SEQf", prefix = "Endpoint: "),
  stacked = TRUE
) %>% as_stable( wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

	Number				Percent	
Study	SUBJ	MISS	OBS	BQL	OBS	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
Group Total	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
Group Total	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
Group Total	80	14	226	0	100.0	0.0

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations
Source code: test.R
Source file: test.tex

	Number				Percent	
Study	SUBJ	MISS	OBS	BQL	OBS	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
Group Total	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
Group Total	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
Group Total	80	14	226	0	100.0	0.0

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations
Source code: test.R
Source file: test.tex

2.2 Paneled

- Just summarize a single endpoint

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

	Number				Group percent		Overall percent	
Study	SUBJ	MISS	OBS	BQL	OBS	BQL	OBS	BQL
Asian								
12-DEMO-001	17	4	241	10	19.5	0.8	7.8	0.3
12-DEMO-002	18	4	414	14	33.4	1.1	13.4	0.5
11-DEMO-005	16	5	366	13	29.5	1.0	11.9	0.4
13-DEMO-001	15	3	218	4	17.6	0.3	7.1	0.1
non-Asian								
12-DEMO-001	13	4	186	5	10.1	0.3	6.0	0.2
12-DEMO-002	32	6	738	24	40.1	1.3	24.0	0.8
11-DEMO-005	24	5	554	17	30.1	0.9	18.0	0.6
13-DEMO-001	25	4	364	7	19.8	0.4	11.8	0.2
All data	160	35	3081	94	—	—	100.0	3.1

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations
Source code: test.R
Source file: test.tex

	Number				Group percent		Overall percent	
Study	SUBJ	MISS	OBS	BQL	OBS	BQL	OBS	BQL
Asian								
12-DEMO-001	17	4	241	10	19.5	0.8	7.8	0.3
12-DEMO-002	18	4	414	14	33.4	1.1	13.4	0.5
11-DEMO-005	16	5	366	13	29.5	1.0	11.9	0.4
13-DEMO-001	15	3	218	4	17.6	0.3	7.1	0.1
non-Asian								
12-DEMO-001	13	4	186	5	10.1	0.3	6.0	0.2
12-DEMO-002	32	6	738	24	40.1	1.3	24.0	0.8
11-DEMO-005	24	5	554	17	30.1	0.9	18.0	0.6
13-DEMO-001	25	4	364	7	19.8	0.4	11.8	0.2
All data	160	35	3081	94	—	—	100.0	3.1

SUBJ: subjects
BQL: below quantitation limit
MISS: missing observations (not BQL)
OBS: observations
Source code: test.R
Source file: test.tex

2.3 Grouped (by study)

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

	Number				Percent	
Study	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
Source code: test.R
Source file: test.tex

	Number				Percent	
Study	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
Source code: test.R
Source file: test.tex

3 Wide categorical table

- Summary of categorical data in wide format
- The summary is `number (percent within group)`
- Wide refers to the fact that the covariates go across the table

3.1 Ungrouped

```
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			**Sex**		**Race group**	
n	tablet	capsule	troche	male	female	Asian	non-Asian
160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

	Formulation			**Sex**		**Race group**	
n	tablet	capsule	troche	male	female	Asian	non-Asian
160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

3.2 Paneled (limited utility, IMO)

- Provided here for completeness

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

	Formulation			Sex		Race group	
n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001							
30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002							
50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005							
40	30 (75.0)	3 (7.5)	7 (17.5)	29 (72.5)	11 (27.5)	16 (40.0)	24 (60.0)
Study: 13-DEMO-001							
40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)
All data							
160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

	Formulation			Sex		Race group	
n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001							
30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002							
50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005							
40	30 (75.0)	3 (7.5)	7 (17.5)	29 (72.5)	11 (27.5)	16 (40.0)	24 (60.0)
Study: 13-DEMO-001							
40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)
All data							
160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

3.3 Grouped (by male / female)

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

		Formulation			**Race group**	
Sex	n	tablet	capsule	troche	Asian	non-Asian
male	80	62 (77.5)	7 (8.8)	11 (13.8)	28 (35.0)	52 (65.0)
female	80	68 (85.0)	8 (10.0)	4 (5.0)	38 (47.5)	42 (52.5)
All data	160	130 (81.2)	15 (9.4)	15 (9.4)	66 (41.2)	94 (58.8)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

		Formulation			**Race group**	
Sex	n	tablet	capsule	troche	Asian	non-Asian
male	80	62 (77.5)	7 (8.8)	11 (13.8)	28 (35.0)	52 (65.0)
female	80	68 (85.0)	8 (10.0)	4 (5.0)	38 (47.5)	42 (52.5)
All data	160	130 (81.2)	15 (9.4)	15 (9.4)	66 (41.2)	94 (58.8)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

3.4 Paneled and grouped

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

		Formulation			Sex		Race group	
RF Group	n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001								
normal	30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002								
normal	50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005								
normal	10	9 (90.0)	0 (0.0)	1 (10.0)	7 (70.0)	3 (30.0)	3 (30.0)	7 (70.0)
mild	10	7 (70.0)	2 (20.0)	1 (10.0)	7 (70.0)	3 (30.0)	5 (50.0)	5 (50.0)
moderate	10	6 (60.0)	0 (0.0)	4 (40.0)	8 (80.0)	2 (20.0)	6 (60.0)	4 (40.0)
severe	10	8 (80.0)	1 (10.0)	1 (10.0)	7 (70.0)	3 (30.0)	2 (20.0)	8 (80.0)
Study: 13-DEMO-001								
normal	40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)
All data	160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

		Formulation			Sex		Race group	
RF Group	n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001								
normal	30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002								
normal	50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005								
normal	10	9 (90.0)	0 (0.0)	1 (10.0)	7 (70.0)	3 (30.0)	3 (30.0)	7 (70.0)
mild	10	7 (70.0)	2 (20.0)	1 (10.0)	7 (70.0)	3 (30.0)	5 (50.0)	5 (50.0)
moderate	10	6 (60.0)	0 (0.0)	4 (40.0)	8 (80.0)	2 (20.0)	6 (60.0)	4 (40.0)
severe	10	8 (80.0)	1 (10.0)	1 (10.0)	7 (70.0)	3 (30.0)	2 (20.0)	8 (80.0)
Study: 13-DEMO-001								
normal	40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)
All data	160	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)
n: number of records summarized
Source code: test.R
Source file: test.tex

3.5 No summary

```
pt_cat_wide(
  data = data,
  summarize = "none",
  cols = vars(Formulation = FORMf, Sex = SEXf,"Race group" = ASIANf),
  panel = as.panel("STUDYf", prefix = "Study: "),
  by = c("RF Group" = "RFf")) %>%
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

		Formulation			Sex		Race group	
RF Group	n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001								
normal	30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002								
normal	50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005								
normal	10	9 (90.0)	0 (0.0)	1 (10.0)	7 (70.0)	3 (30.0)	3 (30.0)	7 (70.0)
mild	10	7 (70.0)	2 (20.0)	1 (10.0)	7 (70.0)	3 (30.0)	5 (50.0)	5 (50.0)
moderate	10	6 (60.0)	0 (0.0)	4 (40.0)	8 (80.0)	2 (20.0)	6 (60.0)	4 (40.0)
severe	10	8 (80.0)	1 (10.0)	1 (10.0)	7 (70.0)	3 (30.0)	2 (20.0)	8 (80.0)
Study: 13-DEMO-001								
normal	40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

		Formulation			Sex		Race group	
RF Group	n	tablet	capsule	troche	male	female	Asian	non-Asian
Study: 12-DEMO-001								
normal	30	25 (83.3)	3 (10.0)	2 (6.7)	10 (33.3)	20 (66.7)	17 (56.7)	13 (43.3)
Study: 12-DEMO-002								
normal	50	42 (84.0)	6 (12.0)	2 (4.0)	18 (36.0)	32 (64.0)	18 (36.0)	32 (64.0)
Study: 11-DEMO-005								
normal	10	9 (90.0)	0 (0.0)	1 (10.0)	7 (70.0)	3 (30.0)	3 (30.0)	7 (70.0)
mild	10	7 (70.0)	2 (20.0)	1 (10.0)	7 (70.0)	3 (30.0)	5 (50.0)	5 (50.0)
moderate	10	6 (60.0)	0 (0.0)	4 (40.0)	8 (80.0)	2 (20.0)	6 (60.0)	4 (40.0)
severe	10	8 (80.0)	1 (10.0)	1 (10.0)	7 (70.0)	3 (30.0)	2 (20.0)	8 (80.0)
Study: 13-DEMO-001								
normal	40	33 (82.5)	3 (7.5)	4 (10.0)	23 (57.5)	17 (42.5)	15 (37.5)	25 (62.5)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

4 Long categorical table

- Categorical table in long format
- Long indicates that the covariates go down the table ## 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 n = 160
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)
n: number of records summarized
Source code: test.R
Source file: test.tex

	Summary n = 160
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)
n: number of records summarized
Source code: test.R
Source file: test.tex

4.1 Grouped (by formulation)

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

	Formulation			
	tablet n = 130	capsule n = 15	troche n = 15	Summary n = 160
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)
n: number of records summarized
Source code: test.R
Source file: test.tex

	Formulation			
	tablet n = 130	capsule n = 15	troche n = 15	Summary n = 160
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)
n: number of records summarized
Source code: test.R
Source file: test.tex

4.2 Summary on bottom and right

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

	Study				
	12-DEMO-001 n = 30	12-DEMO-002 n = 50	11-DEMO-005 n = 40	13-DEMO-001 n = 40	Summary n = 160
Formulation					
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)
Sex					
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)
Race group					
Asian	17 (56.7)	18 (36.0)	16 (40.0)	15 (37.5)	66 (41.2)
non-Asian	13 (43.3)	32 (64.0)	24 (60.0)	25 (62.5)	94 (58.8)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

	Study				
	12-DEMO-001 n = 30	12-DEMO-002 n = 50	11-DEMO-005 n = 40	13-DEMO-001 n = 40	Summary n = 160
Formulation					
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)
Sex					
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)
Race group					
Asian	17 (56.7)	18 (36.0)	16 (40.0)	15 (37.5)	66 (41.2)
non-Asian	13 (43.3)	32 (64.0)	24 (60.0)	25 (62.5)	94 (58.8)

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

4.3 No summary

```
pt_cat_long(
  data = data,
  summarize = "none",
  cols = vars(Formulation = FORMf, Sex = SEXf,"Race group" = ASIANf),
  span = vars(Study = STUDYf)
  ) %>%
  as_stable(wrapw = TRUE, r_file = "test.R", output_file = "test.tex")
```

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

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

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

Summary is count (percent)
n: number of records summarized
Source code: test.R
Source file: test.tex

5 Wide continuous table

- Continuous table in wide format
- Wide means that the covariates go across the 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 (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (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]
Source code: test.R
Source file: test.tex

WT (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (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]
Source code: test.R
Source file: test.tex

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 (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (cm)
Study 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]
Study 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]
Study 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]
Study 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]
Source code: test.R
Source file: test.tex

WT (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (cm)
Study 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]
Study 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]
Study 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]
Study 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]
Source code: test.R
Source file: test.tex

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 (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (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]
Source code: test.R
Source file: test.tex

Study	WT (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (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]
Source code: test.R
Source file: test.tex

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")
```

Study	WT (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (cm)
Formulation tablet					
12-DEMO-001	71.0 (14.2) [24]	1.01 (0.157) [25]	32.6 (9.23) [25]	4.22 (0.459) [24]	179 (19.7) [25]
12-DEMO-002	72.2 (11.8) [41]	0.966 (0.166) [42]	34.0 (7.93) [42]	4.49 (0.495) [42]	182 (15.9) [42]
11-DEMO-005	68.8 (15.2) [29]	2.48 (1.47) [30]	33.2 (8.73) [30]	4.37 (0.568) [29]	173 (19.7) [30]
13-DEMO-001	69.4 (11.0) [33]	0.967 (0.163) [33]	33.7 (9.67) [33]	3.53 (1.14) [31]	178 (16.5) [33]
Formulation capsule					
12-DEMO-001	72.9 (17.3) [3]	1.12 (0.0700) [3]	32.2 (12.0) [3]	4.49 (0.593) [3]	184 (23.0) [3]
12-DEMO-002	70.9 (10.3) [6]	1.03 (0.146) [6]	37.7 (7.59) [6]	4.38 (0.354) [6]	181 (15.4) [6]
11-DEMO-005	73.9 (11.1) [3]	3.06 (2.19) [3]	31.8 (4.99) [3]	4.65 (0.240) [3]	181 (16.4) [3]
13-DEMO-001	58.4 (4.04) [3]	0.973 (0.195) [3]	36.5 (6.69) [3]	3.09 (1.50) [3]	167 (8.88) [3]
Formulation troche					
12-DEMO-001	85.3 (12.4) [2]	1.20 (0.0707) [2]	25.1 (3.28) [2]	4.74 (0.283) [2]	194 (0.163) [2]
12-DEMO-002	79.7 (8.61) [2]	0.910 (0.0283) [2]	48.0 (1.79) [2]	4.49 (0.0354) [2]	182 (10.9) [2]
11-DEMO-005	66.8 (13.9) [7]	2.45 (1.05) [7]	31.4 (9.34) [7]	4.49 (0.509) [7]	177 (19.8) [7]
13-DEMO-001	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]
Source code: test.R
Source file: test.tex

Study	WT (kg)	SCR (mg/dL)	AGE (years)	ALB (g/dL)	HT (cm)
Formulation tablet					
12-DEMO-001	71.0 (14.2) [24]	1.01 (0.157) [25]	32.6 (9.23) [25]	4.22 (0.459) [24]	179 (19.7) [25]
12-DEMO-002	72.2 (11.8) [41]	0.966 (0.166) [42]	34.0 (7.93) [42]	4.49 (0.495) [42]	182 (15.9) [42]
11-DEMO-005	68.8 (15.2) [29]	2.48 (1.47) [30]	33.2 (8.73) [30]	4.37 (0.568) [29]	173 (19.7) [30]
13-DEMO-001	69.4 (11.0) [33]	0.967 (0.163) [33]	33.7 (9.67) [33]	3.53 (1.14) [31]	178 (16.5) [33]
Formulation capsule					
12-DEMO-001	72.9 (17.3) [3]	1.12 (0.0700) [3]	32.2 (12.0) [3]	4.49 (0.593) [3]	184 (23.0) [3]
12-DEMO-002	70.9 (10.3) [6]	1.03 (0.146) [6]	37.7 (7.59) [6]	4.38 (0.354) [6]	181 (15.4) [6]
11-DEMO-005	73.9 (11.1) [3]	3.06 (2.19) [3]	31.8 (4.99) [3]	4.65 (0.240) [3]	181 (16.4) [3]
13-DEMO-001	58.4 (4.04) [3]	0.973 (0.195) [3]	36.5 (6.69) [3]	3.09 (1.50) [3]	167 (8.88) [3]
Formulation troche					
12-DEMO-001	85.3 (12.4) [2]	1.20 (0.0707) [2]	25.1 (3.28) [2]	4.74 (0.283) [2]	194 (0.163) [2]
12-DEMO-002	79.7 (8.61) [2]	0.910 (0.0283) [2]	48.0 (1.79) [2]	4.49 (0.0354) [2]	182 (10.9) [2]
11-DEMO-005	66.8 (13.9) [7]	2.45 (1.05) [7]	31.4 (9.34) [7]	4.49 (0.509) [7]	177 (19.8) [7]
13-DEMO-001	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]
Source code: test.R
Source file: test.tex

6 Long continuous table

- Continuous summary table in long format
- Long indicates that covariates go down the 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

Source code: test.R
Source 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

Source code: test.R
Source file: test.tex

6.2 Paneled

```
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
Study 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
Study 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
Study 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
Study 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

Source code: test.R
Source file: test.tex

Variable	n	Mean	Median	SD	Min / Max
Study 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
Study 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
Study 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
Study 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

Source code: test.R
Source file: test.tex