Changes to categorical data summaries

Contents

1 pt_cat_wide

1.1 with by and panel

- the N column is new

```
pt_cat_wide(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf),
  by = vars(Study = STUDYf),
  panel =  c(`Formulation: ` = "FORMf")
) %>% as_stable() %>% pt_wrap(stdout())
```

		Sex		Renal function			
Study	N	male	female	normal	mild	moderate	severe
Formulation: tablet							
12-DEMO-001	25	7 (28.0)	18 (72.0)	25 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
12-DEMO-002	42	16 (38.1)	26 (61.9)	42 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
11-DEMO-005	30	20 (66.7)	10 (33.3)	9 (30.0)	7 (23.3)	6 (20.0)	8 (26.7)
13-DEMO-001	33	19 (57.6)	14 (42.4)	33 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
Formulation: capsule							
12-DEMO-001	3	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
12-DEMO-002	6	2 (33.3)	4 (66.7)	6 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
11-DEMO-005	3	3 (100.0)	0 (0.0)	0 (0.0)	2 (66.7)	0 (0.0)	1 (33.3)
13-DEMO-001	3	1 (33.3)	2 (66.7)	3 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
Formulation: troche							
12-DEMO-001	2	2 (100.0)	0 (0.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
12-DEMO-002	2	0 (0.0)	2 (100.0)	2 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
11-DEMO-005	7	6 (85.7)	1 (14.3)	1 (14.3)	1 (14.3)	4 (57.1)	1 (14.3)
13-DEMO-001	4	3 (75.0)	1 (25.0)	4 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)
All data	160	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)
N: subject count for the row

1.2 with panel

- the N column is new
- I don't like the way this looks; would prefer using by here; but I think this output is what you would expect given the data and option

```
pt_cat_wide(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf),
  panel = c(`Formulation: ` = "FORMf"),
  all_name = "All formulations"
) %>% as_stable() %>% pt_wrap(stdout())
```

	Sex		Renal function			
N	male	female	normal	mild	moderate	severe
Formulation: tablet						
130	62 (47.7)	68 (52.3)	109 (83.8)	7 (5.4)	6 (4.6)	8 (6.2)
Formulation: capsule						
15	7 (46.7)	8 (53.3)	12 (80.0)	2 (13.3)	0 (0.0)	1 (6.7)
Formulation: troche						
15	11 (73.3)	4 (26.7)	9 (60.0)	1 (6.7)	4 (26.7)	1 (6.7)
All formulations						
160	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)
N: subject count for the row

1.3 with by

- the N column is new

```
pt_cat_wide(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf),
  by =  c(Formulation = "FORMf")
) %>% as_stable() %>% pt_wrap(stdout())
```

		Sex		**Renal function**			
Formulation	N	male	female	normal	mild	moderate	severe
tablet	130	62 (47.7)	68 (52.3)	109 (83.8)	7 (5.4)	6 (4.6)	8 (6.2)
capsule	15	7 (46.7)	8 (53.3)	12 (80.0)	2 (13.3)	0 (0.0)	1 (6.7)
troche	15	11 (73.3)	4 (26.7)	9 (60.0)	1 (6.7)	4 (26.7)	1 (6.7)
All data	160	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)
N: subject count for the row

1.4 ungrouped

- the N column is new

```
pt_cat_wide(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf)
) %>% as_stable() %>% pt_wrap(stdout())
```

	Sex		Renal function			
N	male	female	normal	mild	moderate	severe
160	80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)
N: subject count for the row

1.5 Drop the N

```
out <- pt_cat_wide(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf),
  drop = "N"
)
```

```
out %>% as_stable() %>% pt_wrap(stdout())
```

Sex		Renal function			
male	female	normal	mild	moderate	severe
80 (50.0)	80 (50.0)	130 (81.2)	10 (6.2)	10 (6.2)	10 (6.2)

Summary is count (percent)

2 pt_cont_long

We now add a summary row to the bottom of the table.

2.1 With spanning data item (formulation)

```
pt_cat_long(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf, `Child-Pugh` = CPf),
  span = vars(Study = STUDYf)
) %>% as_stable() %>% pt_wrap(stdout())
```

	Study			
	12-DEMO-001	12-DEMO-002	11-DEMO-005	13-DEMO-001
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)
Renal function				
normal	30 (100.0)	50 (100.0)	10 (25.0)	40 (100.0)
mild	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
moderate	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
severe	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
Child-Pugh				
Score=0	30 (100.0)	50 (100.0)	40 (100.0)	10 (25.0)
Score=1	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)
Score=2	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)
Score=3	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)
All Data	30 (18.8)	50 (31.2)	40 (25.0)	40 (25.0)

Summary is count (percent)

```
pt_cat_long(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf, `Child-Pugh` = CPf),
  span = vars(Formulation = FORMf),
  all_name_span = "All ... Formulations",
  summarize = "both"
) %>% as_stable() %>% pt_wrap(stdout())
```

	Formulation			
	tablet	capsule	troche	**All Formulations**
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)
Renal function				
normal	109 (83.8)	12 (80.0)	9 (60.0)	130 (81.2)
mild	7 (5.4)	2 (13.3)	1 (6.7)	10 (6.2)
moderate	6 (4.6)	0 (0.0)	4 (26.7)	10 (6.2)
severe	8 (6.2)	1 (6.7)	1 (6.7)	10 (6.2)
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)
All Data	130 (81.2)	15 (9.4)	15 (9.4)	160 (100.0)

Summary is count (percent)

```
pt_cat_long(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf, `Child-Pugh` = CPf),
  span = vars(Study = STUDYf),
  summarize = "none"
) %>% as_stable() %>% pt_wrap(stdout())
```

	Study			
	12-DEMO-001	12-DEMO-002	11-DEMO-005	13-DEMO-001
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)
Renal function				
normal	30 (100.0)	50 (100.0)	10 (25.0)	40 (100.0)
mild	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
moderate	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
severe	0 (0.0)	0 (0.0)	10 (25.0)	0 (0.0)
Child-Pugh				
Score=0	30 (100.0)	50 (100.0)	40 (100.0)	10 (25.0)
Score=1	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)
Score=2	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)
Score=3	0 (0.0)	0 (0.0)	0 (0.0)	10 (25.0)

Summary is count (percent)

2.2 Without spanning data item

```
mini <-  noteconf(type  = "minipage", width = 0.3)
pt_cat_long(
  pmt_first,
  cols = vars(Sex = SEXf, `Renal function` = RFf, `Child-Pugh` = CPf)
) %>% as_stable(note_config = mini) %>% pt_wrap(stdout())
```

	Summary
Sex	
male	80 (50.0)
female	80 (50.0)
Renal function	
normal	130 (81.2)
mild	10 (6.2)
moderate	10 (6.2)
severe	10 (6.2)
Child-Pugh	
Score=0	130 (81.2)
Score=1	10 (6.2)
Score=2	10 (6.2)
Score=3	10 (6.2)
All Data	160 (100.0)

Summary is count (percent)