Examples with {huxtable}

November 22, 2021

Regular Table

```
df <- penguins %>% head(n =10)

df %>% huxtable()
```

species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex	year
Adelie	Torgersen	39.1	18.7	181	3750	male	2007
Adelie	Torgersen	39.5	17.4	186	3800	female	2007
Adelie	Torgersen	40.3	18	195	3250	female	2007
Adelie	Torgersen						2007
Adelie	Torgersen	36.7	19.3	193	3450	female	2007
Adelie	Torgersen	39.3	20.6	190	3650	male	2007
Adelie	Torgersen	38.9	17.8	181	3625	female	2007
Adelie	Torgersen	39.2	19.6	195	4675	male	2007
Adelie	Torgersen	34.1	18.1	193	3475		2007
Adelie	Torgersen	42	20.2	190	4250		2007

{gtsummary} Examples

```
penguins %>%
  tbl_summary() %>%
  bold_labels() %>%
  italicize_levels() %>%
  as_hux_table()
```

With Compact Theme

```
#theme_gtsummary_compact()

penguins %>%
  tbl_summary() %>%
  bold_labels() %>%
  italicize_levels() %>%
  as_hux_table()
```

```
#reset_gtsummary_theme()
```

Add Header

```
penguins %>%
  tbl_summary() %>%
  bold_labels() %>%
  italicize_levels()  %>%
  as_hux_table() %>%
  set_caption("Title")
```

Spanning Headers

Footnotes

Highlight Specific Values

```
x <- penguins %>%
  tbl_summary() %>%
  bold_labels() %>%
  italicize_levels()  %>%
  as_hux_table() %>%
  set_caption("Title")

x %>%
  set_text_color(3, 2, "purple")
```

```
x %>%
  mutate(new_cond = parse_number(stat_0)) %>%
  set_text_color(row = .$new_cond >= 100, 2,  "purple") %>%
  select(-new_cond)
```

```
## Warning: 1 parsing failure.
## row col expected              actual
##  26  -- a number n (%); Median (IQR)
```

Spanning Headers

```
sum <- penguins %>%
  select(species, island, sex) %>%
  tbl_summary(by = species) %>%
  add_p()

sum2 <- penguins %>%
  select(species, island, sex) %>%
  tbl_summary(by = species) %>%
  add_p()


reg <- glm(species ~ island + sex, family = binomial(), data = penguins)

reg <- reg %>%
  tbl_regression()
```

```
## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred

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```

```
tbl_merge(list(sum, reg),
          tab_spanner = c("**Summary Statistics**", "**Regression**")) %>%
  as_hux_table() %>%
  set_all_borders()
```

More Complex Merges (includinf 3 header rows)

Characteristic	N = 344
Species	
Adelie	152 (44%)
Chinstrap	68 (20%)
Gentoo	124 (36%)
Island	
Biscoe	168 (49%)
Dream	124 (36%)
Torgersen	52 (15%)
Bill Length Mm	44.5 (39.2, 48.5)
Unknown	2
Bill Depth Mm	17.30 (15.60, 18.70)
Unknown	2
Flipper Length Mm	197 (190, 213)
Unknown	2
Body Mass G	4,050 (3,550, 4,750)
Unknown	2
Sex	
female	165 (50%)
male	168 (50%)
Unknown	11
Year	
2007	110 (32%)
2008	114 (33%)
2009	120 (35%)

n (%); Median (IQR)

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n (%); Median (IQR)

Table 1: Title

Characteristic	**N = 344**
Species	
Adelie	152 (44%)
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n (%); Median (IQR)

Table 2: Title

Characteristic	N = 344
Species	
Adelie	152 (44%)
Chinstrap	68 (20%)
Gentoo	124 (36%)
Island	
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Flipper Length Mm	197 (190, 213)
Unknown	2
Body Mass G	4,050 (3,550, 4,750)
Unknown	2
Sex	
female	165 (50%)
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Unknown	11
Year	
2007	110 (32%)
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2009	120 (35%)

n (%); Median (IQR)

Table 3: Title

Characteristic	**N = 344**
Species	
Adelie	152 (44%)
Chinstrap	68 (20%)
Gentoo	124 (36%)
Island	
Biscoe	168 (49%)
Dream	124 (36%)
Torgersen	52 (15%)
Bill Length Mm	44.5 (39.2, 48.5)
Unknown	2
Bill Depth Mm	17.30 (15.60, 18.70)
Unknown	2
Flipper Length Mm	197 (190, 213)
Unknown	2
Body Mass G	4,050 (3,550, 4,750)
Unknown	2
Sex	
female	165 (50%)
male	168 (50%)
Unknown	11
Year	
2007	110 (32%)
2008	114 (33%)
2009	120 (35%)

n (%); Median (IQR)

	Summary Statistics				Regression		
Characteristic	**Adelie**, N = 152	**Chinstrap**, N = 68	**Gentoo**, N = 124	**p-value**	**log(OR)**	**95% CI**	**p-value**
Island				<0.001			
Biscoe	44 (29%)	0 (0%)	124 (100%)		—	—	
Dream	56 (37%)	68 (100%)	0 (0%)		-0.78	-1.3, -0.29	0.002
Torgersen	52 (34%)	0 (0%)	0 (0%)		-20	-337, 20	>0.9
Sex				>0.9			
female	73 (50%)	34 (50%)	58 (49%)		—	—	
male	73 (50%)	34 (50%)	61 (51%)		0.01	-0.49, 0.50	>0.9
Unknown	6	0	5				

n (%)

Pearson's Chi-squared test

OR = Odds Ratio, CI = Confidence Interval