

gtsummary

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Introduction

Data Summaries

% latex comment ?

`tbl_summary()`

```
tbl_summary_1 <-  
  trial %>%  
  select(age, grade, response, trt) %>%  
  tbl_summary(by = trt)
```

```
tbl_summary_2 <-  
  trial %>%  
  select(age, grade, response, trt) %>%  
  tbl_summary(  
    by = trt,  
    type = age ~ "continuous2",  
    label = age ~ "Patient Age",  
    statistic = list(age ~ c("{N_nonmiss}", "{mean} ({sd})"),  
                     c(grade, response) ~ "{n} / {N} ({p}%)",  
    digits = c(grade, response) ~ c(0, 0, 1),  
    missing = "no"  
  )
```

```
tbl_summary_3 <-  
  trial %>%  
  select(age, grade, response, trt) %>%  
  tbl_summary(by = trt, missing = "no") %>%  
  add_p(test = all_continuous() ~ "t.test",  
        pvalue_fun = ~style_pvalue(., digits = 2)) %>%  
  add_n()
```

Figure 1: Simple ‘tbl_summary()’ example

| Characteristic | Drug A, N = 98 [†] | Drug B, N = 102 [†] |
|----------------------------------|-----------------------------|------------------------------|
| Age | 46 (37, 59) | 48 (39, 56) |
| Unknown | 7 | 4 |
| Grade | | |
| I | 35 (36%) | 33 (32%) |
| II | 32 (33%) | 36 (35%) |
| III | 31 (32%) | 33 (32%) |
| Tumor Response | 28 (29%) | 33 (34%) |
| Unknown | 3 | 4 |
| [†] Median (IQR); n (%) | | |

`tbl_svysummary()`

`tbl_cross()`

`tbl_survfit()`

Customization

Model Summaries

`tbl_regression()`

`tbl_uvregression()`

Merging and Stacking

Inline Reporting

To report the result for `age`, use the following commands inline.

```
`r inline_text(tbl_uvregression_1, variable = age)`
```

Here’s how the line will appear in your report.

1.02 (95% CI 1.00, 1.04; p=0.091)

Themes

```
theme_gtsummary_journal("nejm")

tbl_nejm <-
  glm(response ~ age + grade, trial, family = binomial) %>%
  tbl_regression(exponentiate = TRUE)
```

Print Engines