Summary Rows Example

```
df <- structure(list(study = c("rMUXpJp", "lzRBxex", "zjnhztM", "nVtVOTs",
"ESGEvuK", "OiBwkPE", "esrrFSc", "ZJstWGR", "hslXaGB", "ftCIqmT",
"cDNbzuX", "FUCIrcY", "QQeXChK", "nUcMNSw", "ZdIEAkd", "XypAJWj",
"oEmNLBK"), a = c(57L, 37L, 12L, 18L, 28L, 36L, 42L, 68L, 90L,
72L, 66L, 14L, 33L, 19L, 27L, 41L, 80L), b = c(1436L, 626L, 252L,
171L, 540L, 602L, 848L, 2221L, 4218L, 3600L, 1241L, 230L, 168L,
474L, 542L, 292L, 738L), c = c(1130L, 572L, 241L, 171L, 540L,
482L, 808L, 1763L, 3657L, 3051L, 1193L, 230L, 168L, 464L, 524L,
288L, 550L), d = c(306, 54, 11, 0, 0, 120, 40, 458, 561, 549,
48, 0, 0, 10, 18, 4, 188), e = c(21.3, 8.63, 4.37, 0, 0, 19.9,
4.72, 20.6, 13.3, 15.2, 3.87, 0, 0, 2.11, 3.32, 1.37, 25.5)), row.names = c(NA,
17L), class = "data.frame")
```

With rowname column specified (preform summary on everything but rowname)

```
df %>%
  gt(rowname_col = 'study') %>%
  tab_stubhead('Study') %>%
  cols_merge(columns = vars(d, e),
             pattern = "{1} [{2}]")%>%
  cols_label(.list = list(a = 'ID',
                          b =  'Total Samples',
                          c = "Samples Above Limit",
                          d = 'Samples Below Limit: n[%]'
  )) %>%
  tab_source_note(c(
    paste0('Script code: ', knitr::current_input()),
    paste0('Tex code: ', gsub('.Rmd', '.tex', knitr::current_input()))
  )) %>%
  summary_rows(columns = vars(a, b, c, d), fns = list(Total = ~sum(.))) %>%
  summary_rows(columns = vars(e), fns = list(Total = ~mean(.x))) %>%
  as_latex()
```

Study	ID	Total Samples	Samples Above Limit	Samples Below Limit: n[%]
rMUXpJp	57	1436	1130	306 [21.30]
lzRBxex	37	626	572	54 [8.63]
zjnhztM	12	252	241	11 [4.37]
nVtVOTs	18	171	171	0 [0.00]
ESGEvuK	28	540	540	0 [0.00]
OiBwkPE	36	602	482	120 [19.90]
esrrFSc	42	848	808	40 [4.72]
ZJstWGR	68	2221	1763	458 [20.60]
hslXaGB	90	4218	3657	561 [13.30]
ftCIqmT	72	3600	3051	549 [15.20]
cDNbzuX	66	1241	1193	48 [3.87]

FUCIrcY	14	230	230	0 [0.00]
QQeXChK	33	168	168	0 [0.00]
nUcMNSw	19	474	464	10 [2.11]
ZdIEAkd	27	542	524	18 [3.32]
XypAJWj	41	292	288	4 [1.37]
oEmNLBK	80	738	550	188 [25.50]
Total	740.00	18,199.00	15,832.00	2,367.00 [8.48]

Script code: latex_summary_rows.Rmd
Tex code: latex_summary_rows.tex

Without row name column (perform summary on all columns in frame)

```
df %>%
  select(-study) %>%
  gt() %>%
  cols_merge(columns = vars(d, e),
             pattern = "{1} [{2}]") %>%
  cols_label(.list = list(a = 'ID',
                          b =  'Total Samples',
                          c = "Samples Above Limit",
                          d = 'Samples Below Limit: n[%]'
  )) %>%
  tab_source_note(c(
    paste0('Script code: ', knitr::current_input()),
    paste0('Tex code: ', gsub('.Rmd', '.tex', knitr::current_input()))
  )) %>%
  summary_rows(columns = vars(a, b, c, d), fns = list(Total = ~sum(.))) %>%
  summary_rows(columns = vars(e), fns = list(Total = ~mean(.x))) %>%
  as_latex()
```

	ID	Total Samples	Samples Above Limit	Samples Below Limit: n[%]
	57	1436	1130	306 [21.30]
	37	626	572	54 [8.63]
	12	252	241	11 [4.37]
	18	171	171	0 [0.00]
	28	540	540	0 [0.00]
	36	602	482	120 [19.90]
	42	848	808	40 [4.72]
	68	2221	1763	458 [20.60]
	90	4218	3657	561 [13.30]
	72	3600	3051	549 [15.20]
	66	1241	1193	48 [3.87]
	14	230	230	0 [0.00]
	33	168	168	0 [0.00]
	19	474	464	10 [2.11]
	27	542	524	18 [3.32]
	41	292	288	4 [1.37]
	80	738	550	188 [25.50]
Total	740.00	18,199.00	15,832.00	2,367.00 [8.48]

Script code: latex_summary_rows.Rmd
Tex code: latex_summary_rows.tex

Only perform on select columns

```
df %>%
  select(-study) %>%
  gt() %>%
  cols_merge(columns = vars(d, e),
             pattern = "{1} [{2}]") %>%
  cols_label(.list = list(a = 'ID',
                          b =  'Total Samples',
                          c = "Samples Above Limit",
                          d = 'Samples Below Limit: n[%]'
  )) %>%
  tab_source_note(c(
    paste0('Script code: ', knitr::current_input()),
    paste0('Tex code: ', gsub('.Rmd', '.tex', knitr::current_input()))
  )) %>%
  summary_rows(columns = vars(a, b, d), fns = list(Total = ~sum(.))) %>%
  summary_rows(columns = vars(e), fns = list(Total = ~mean(.x))) %>%
  as_latex()
```

	ID	Total Samples	Samples Above Limit	Samples Below Limit: n[%]
	57	1436	1130	306 [21.30]
	37	626	572	54 [8.63]
	12	252	241	11 [4.37]
	18	171	171	0 [0.00]
	28	540	540	0 [0.00]
	36	602	482	120 [19.90]
	42	848	808	40 [4.72]
	68	2221	1763	458 [20.60]
	90	4218	3657	561 [13.30]
	72	3600	3051	549 [15.20]
	66	1241	1193	48 [3.87]
	14	230	230	0 [0.00]
	33	168	168	0 [0.00]
	19	474	464	10 [2.11]
	27	542	524	18 [3.32]
	41	292	288	4 [1.37]
	80	738	550	188 [25.50]
Total	740.00	18,199.00	—	2,367.00 [8.48]

Script code: latex_summary_rows.Rmd
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perform multiple summaries

```
df %>%
  select(-study) %>%
```

```
gt() %>%
cols_merge(columns = vars(d, e),
           pattern = "{1} [{2}]") %>%
cols_label(.list = list(a = 'ID',
                        b =  'Total Samples',
                        c = "Samples Above Limit",
                        d = 'Samples Below Limit: n[%]'
)) %>%
tab_source_note(c(
  paste0('Script code: ', knitr::current_input()),
  paste0('Tex code: ', gsub('.Rmd', '.tex', knitr::current_input()))
)) %>%
summary_rows(columns = vars(a, b, c, d), fns = list(Total = ~sum(.),
                                                    Average = ~mean(.))) %>%
summary_rows(columns = vars(e), fns = list(Total = ~mean(.))) %>%
as_latex()
```

	ID	Total Samples	Samples Above Limit	Samples Below Limit: n[%]
	57	1436	1130	306 [21.30]
	37	626	572	54 [8.63]
	12	252	241	11 [4.37]
	18	171	171	0 [0.00]
	28	540	540	0 [0.00]
	36	602	482	120 [19.90]
	42	848	808	40 [4.72]
	68	2221	1763	458 [20.60]
	90	4218	3657	561 [13.30]
	72	3600	3051	549 [15.20]
	66	1241	1193	48 [3.87]
	14	230	230	0 [0.00]
	33	168	168	0 [0.00]
	19	474	464	10 [2.11]
	27	542	524	18 [3.32]
	41	292	288	4 [1.37]
	80	738	550	188 [25.50]
Total	740.00	18,199.00	15,832.00	2,367.00 [8.48]
Average	43.53	1,070.53	931.29	139.24 [—]

Script code: latex_summary_rows.Rmd
Tex code: latex_summary_rows.tex