Untitled

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2022-10-03

```
##
## Please cite as:
##  Hlavac, Marek (2022). stargazer: Well-Formatted Regression and Summary Statistics Tables.
##  R package version 5.2.3. https://CRAN.R-project.org/package=stargazer
##
## Attaching package: 'dplyr'
## The following object is masked from 'package:kableExtra':
##
##     group_rows
## The following objects are masked from 'package:stats':
##
##     filter, lag
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
##
## Attaching package: 'data.table'
## The following objects are masked from 'package:dplyr':
##
##     between, first, last
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_", 500, "_", '2022-10-02','.csv')
res1 <- read_csv(output_filename) %>% mutate(n = 500)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## -------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_", 2000, "_", '2022-10-02','.csv')
res2 <- read_csv(output_filename) %>% mutate(n = 2000)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
```

```
## ------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_", 5000, "_", '2022-10-02','.csv')
res3 <- read_csv(output_filename) %>% mutate(n = 5000)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_", 7000, "_", '2022-10-03','.csv')
res4 <- read_csv(output_filename) %>% mutate(n = 7000)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_", 10000, "_", '2022-10-03','.csv')
res5 <- read_csv(output_filename) %>% mutate(n = 10000)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
res <- rbind(res1, res2, res3, res4, res5)
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_correct_", 500, "_", '2022-10-04','.
res1 <- read_csv(output_filename) %>% mutate(n = 500)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## ------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
```

```
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
output_filename <- paste0('~/Repo/te_vim/simu_res/theta_s/',"local_correct_", 1000, "_", '2022-10-04','
res2 <- read_csv(output_filename) %>% mutate(n = 1000)
```

```
## New names:
## Rows: 500 Columns: 11
## -- Column specification
## -------------------------------------------------------- Delimiter: "," chr
## (1): ...1 dbl (10): i, truth, cvtmle, cvtmle_se, cvtmle_lower, cvtmle_upper,
## cvaiptw, ...
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
res <- rbind(res1, res2)
```

```
## `summarise()` has grouped output by 'n'. You can override using the `.groups`
## argument.
```

#wide to long

#merge

Table 1: Performance of CV-TMLE and CV-EE for Theta

n	Method	True_Theta	Variance	Bias	MSE	Coverage	Coverage_or	CI_width
500	CV-TMLE	0.686	0.026	0.037	0.027	0.928	0.936	0.628
	CV-EE	0.686	0.026	0.054	0.029	0.916	0.930	0.581
1000	CV-TMLE	0.686	0.012	0.024	0.013	0.952	0.938	0.437
	CV-EE	0.686	0.013	0.034	0.014	0.932	0.932	0.418

```
data_long %>%
  mutate(across(where(is.numeric), ~ round(., 3))) %>%
  kable("latex", booktabs = T, caption = "Performance of CV-TMLE and CV-EE for Theta") %>%
  collapse_rows(columns = 1, latex_hline = "major", valign = "middle")%>%
  kable_styling(latex_options = "scale_down")
```