

Untitled

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12/7/2021

```
table_results <- read.csv(paste0('~/.Repo/ph243/results/', "underhal_tbl", '.csv'))
```

#wide to long

Table 1: Performance of TMLE and EE with SL or U-HAL

n_sample	estimator	coverage	aveCI	bias	var	mse
500	TMLE (U-HAL)	0.930	0.096	9.8e-04	7.2e-04	7.2e-04
	TMLE (SL)	0.940	0.098	7.6e-04	7.0e-04	7.0e-04
	CV-TMLE (SL)	0.958	0.108	1.0e-03	6.9e-04	6.9e-04
	CV-A-IPTW (SL)	0.952	0.109	9.4e-04	8.0e-04	8.0e-04
1000	TMLE (U-HAL)	0.934	0.069	2.1e-04	3.5e-04	3.5e-04
	TMLE (SL)	0.936	0.070	-2.1e-04	3.5e-04	3.5e-04
	CV-TMLE (SL)	0.958	0.073	-4.5e-05	3.5e-04	3.5e-04
	CV-A-IPTW (SL)	0.950	0.074	1.1e-05	3.7e-04	3.7e-04

Table 2: Performance of TMLE and EE with SL or U-HAL when Q model is misspecified

n_sample	estimator	coverage	aveCI	bias	var	mse
500	TMLE (U-HAL)	0.984	0.151	1.1e-02	7.7e-04	8.9e-04
	TMLE (SL)	0.950	0.151	1.1e-02	1.4e-03	1.5e-03
	CV-TMLE (SL)	0.958	0.169	-8.5e-03	1.4e-03	1.4e-03
	CV-A-IPTW (SL)	0.936	0.143	3.3e-03	1.2e-03	1.3e-03
1000	TMLE (U-HAL)	0.996	0.107	6.3e-03	3.4e-04	3.8e-04
	TMLE (SL)	0.994	0.107	3.3e-03	3.5e-04	3.6e-04
	CV-TMLE (SL)	0.998	0.114	-6.7e-03	3.7e-04	4.2e-04
	CV-A-IPTW (SL)	0.994	0.097	-1.4e-04	3.7e-04	3.7e-04