

# MI Paper Plots

Kylie Getz and Kristin Linn

6/28/2022

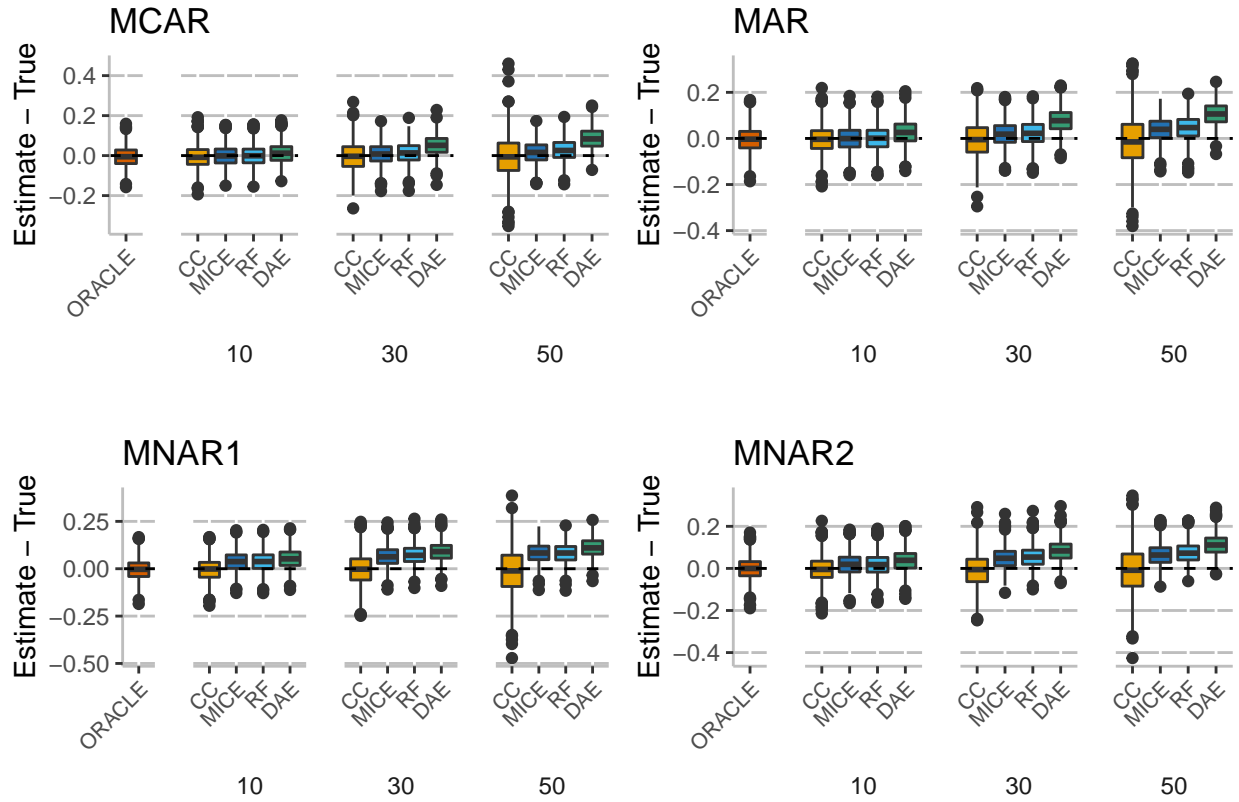
Results using 1000 simulations, 10 MI trueTreatment approx -0.69, trueEcog appox 0.4

```
os1 <- coxph(Surv(cmonth, dead) ~ treat + genderf +  
reth_black + reth_hisp + reth_oth + practypec + b.ecogvalue + smokey + dgradeh + surgery + site_ureter  
+ site_renal + site_urethra + age + var1 + var2, data=sdat.c, x=T)
```

**Full outcome model, original DAE layers**

treat

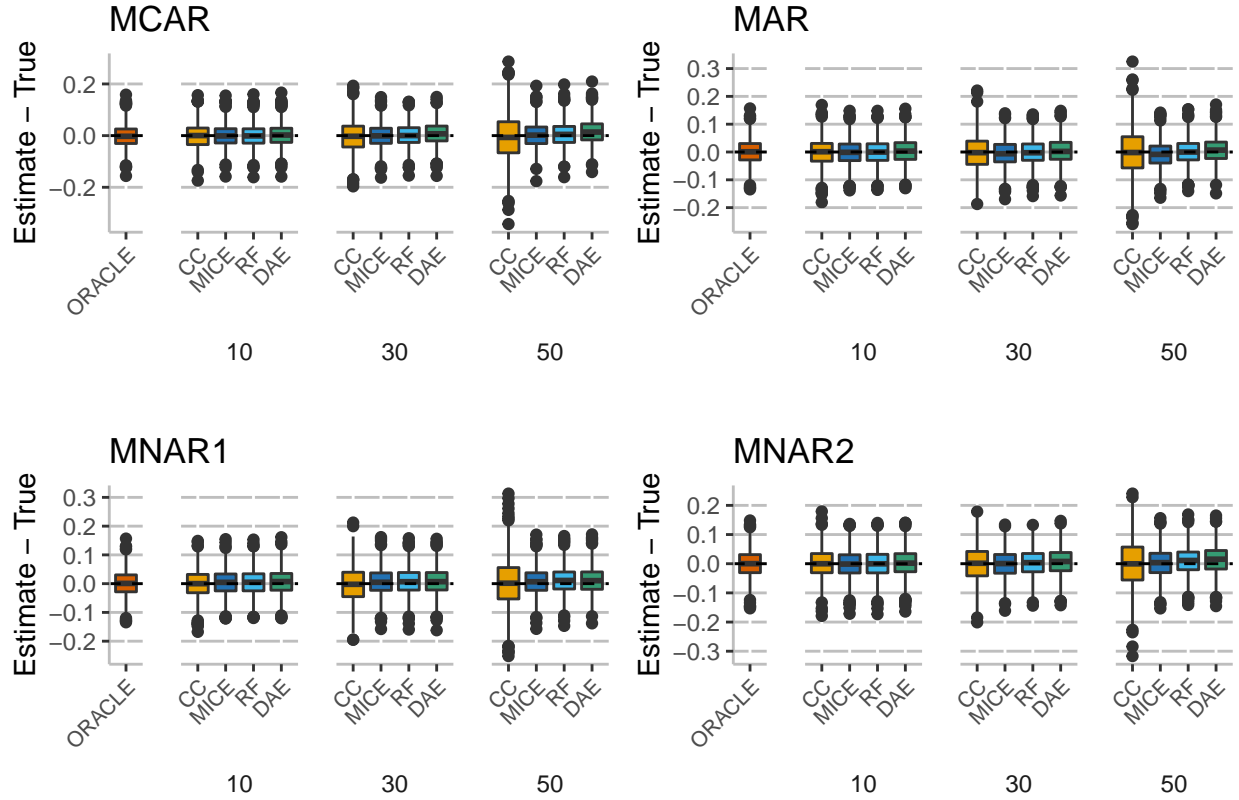
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

genderf

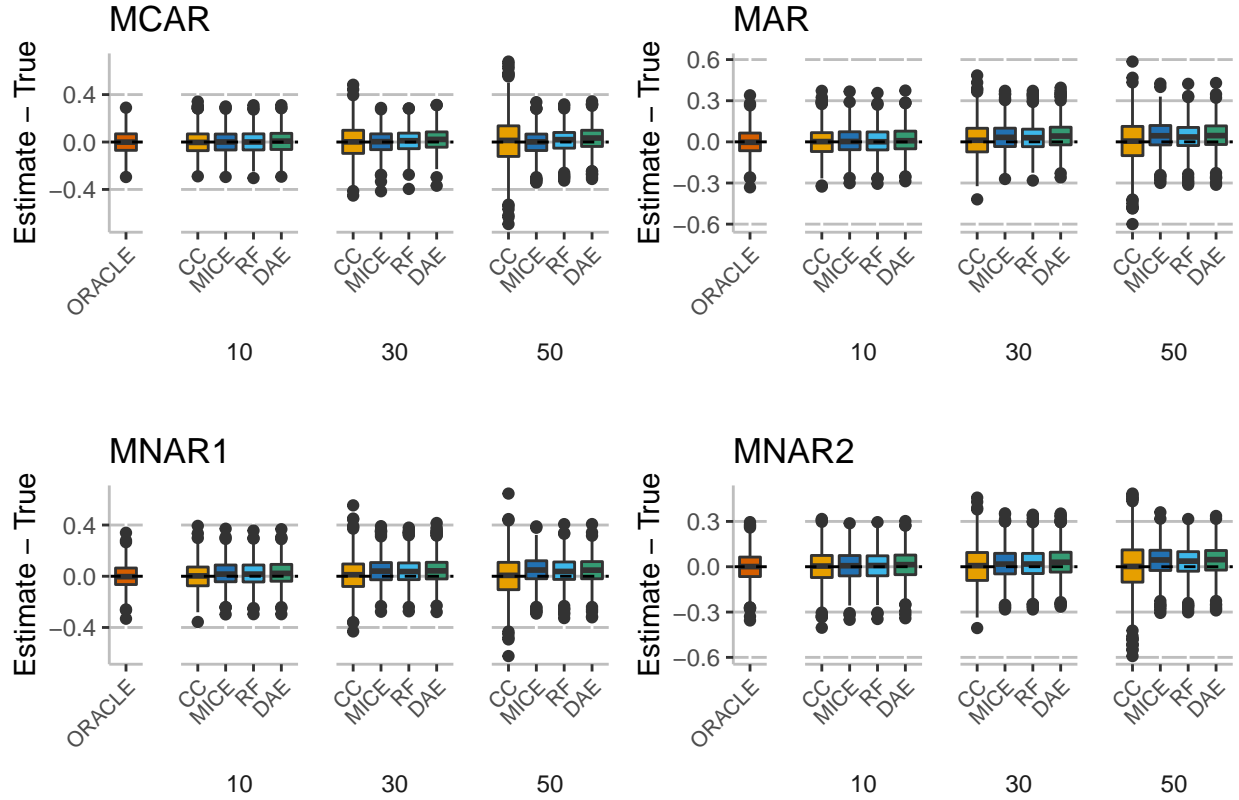
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## TableGrob (2 x 2) "arrange": 4 grobs
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## 1 1 (1-1,1-1) arrange gtable[layout]
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth\_black

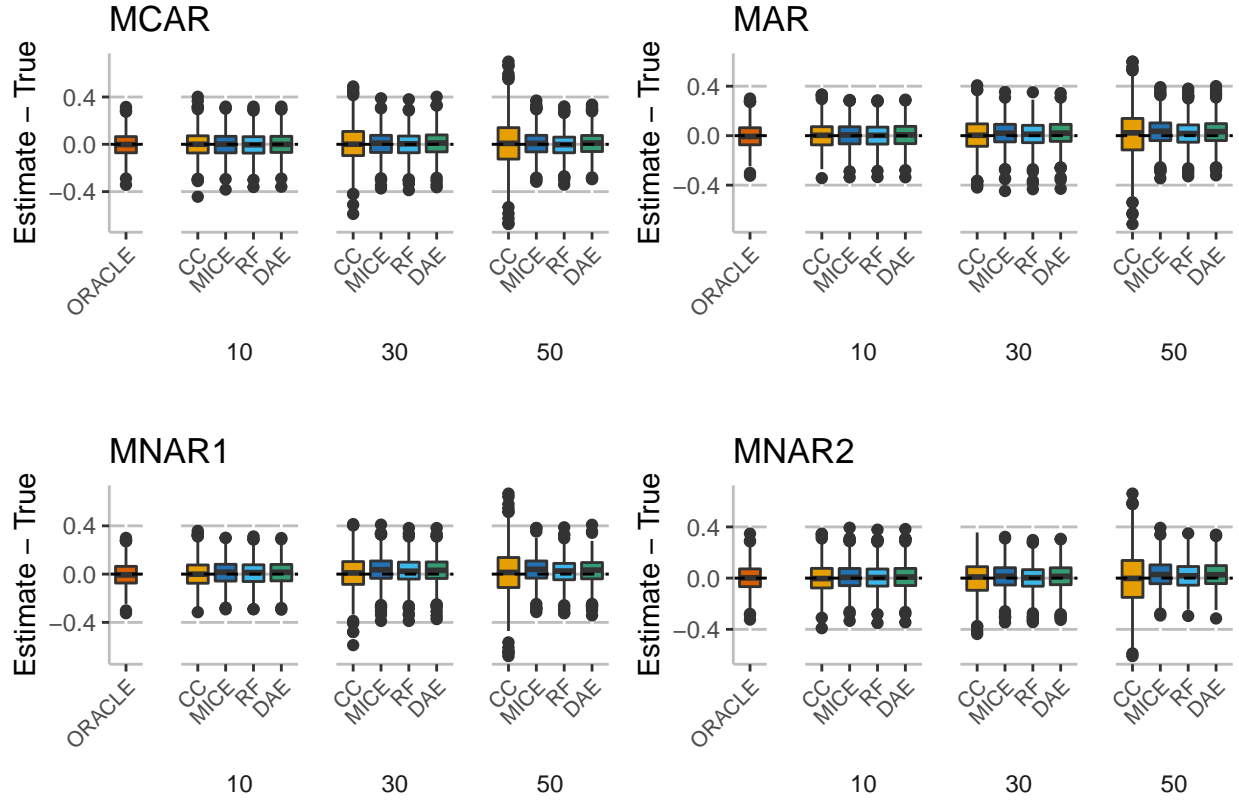
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



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## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth\_hisp

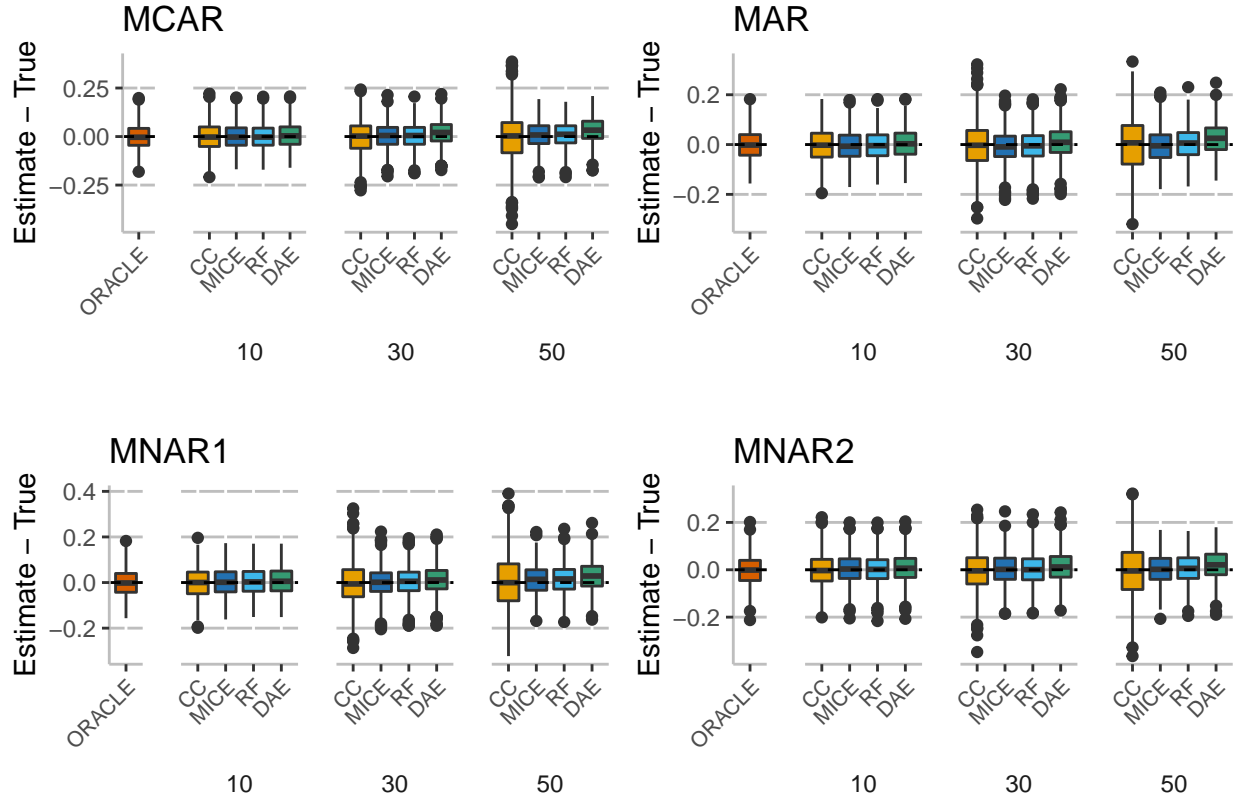
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth\_oth

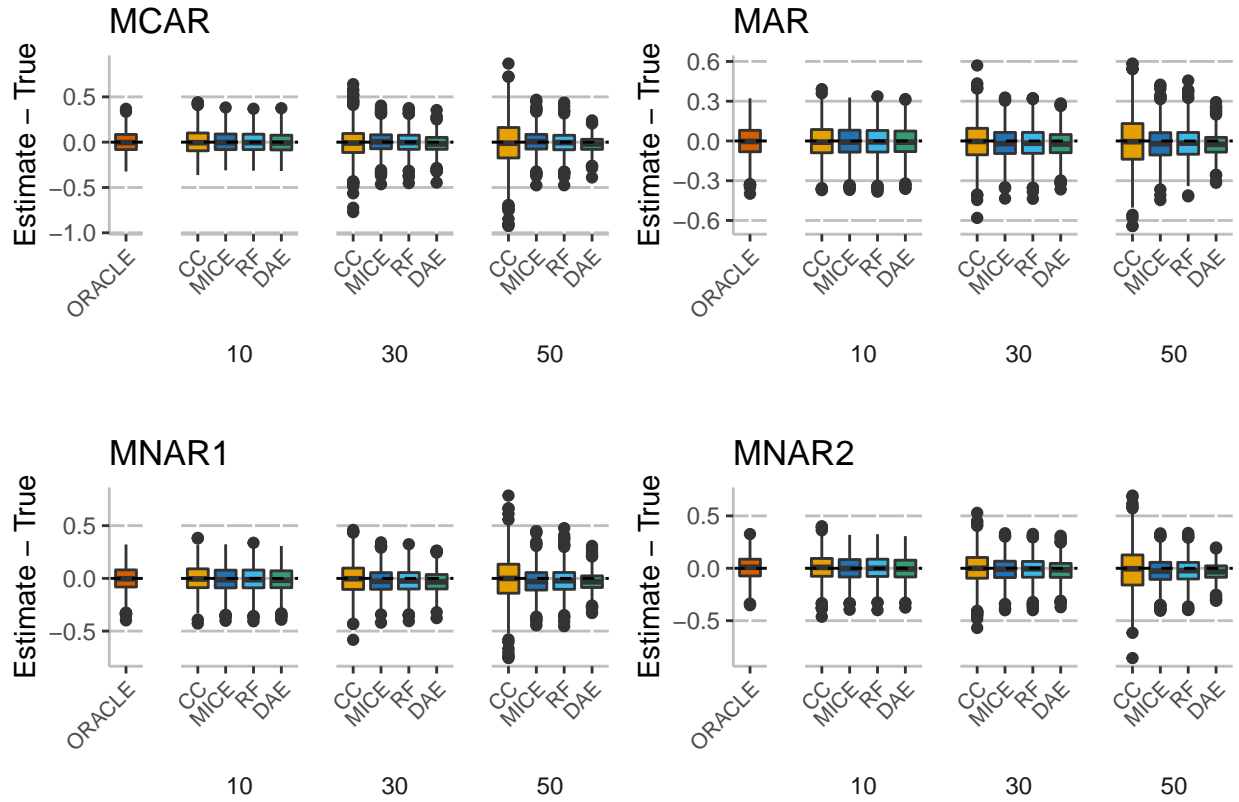
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



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## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

## practypec

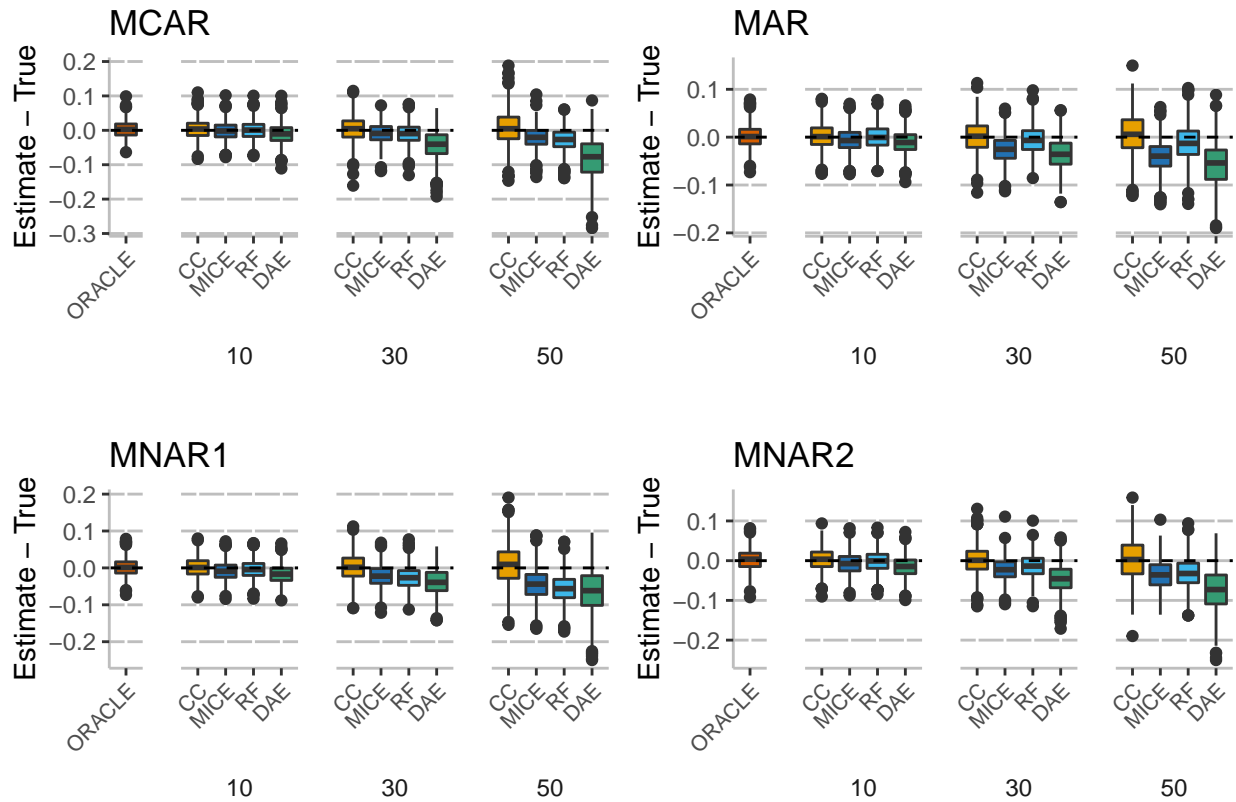
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

## b.ecogvalue

## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).

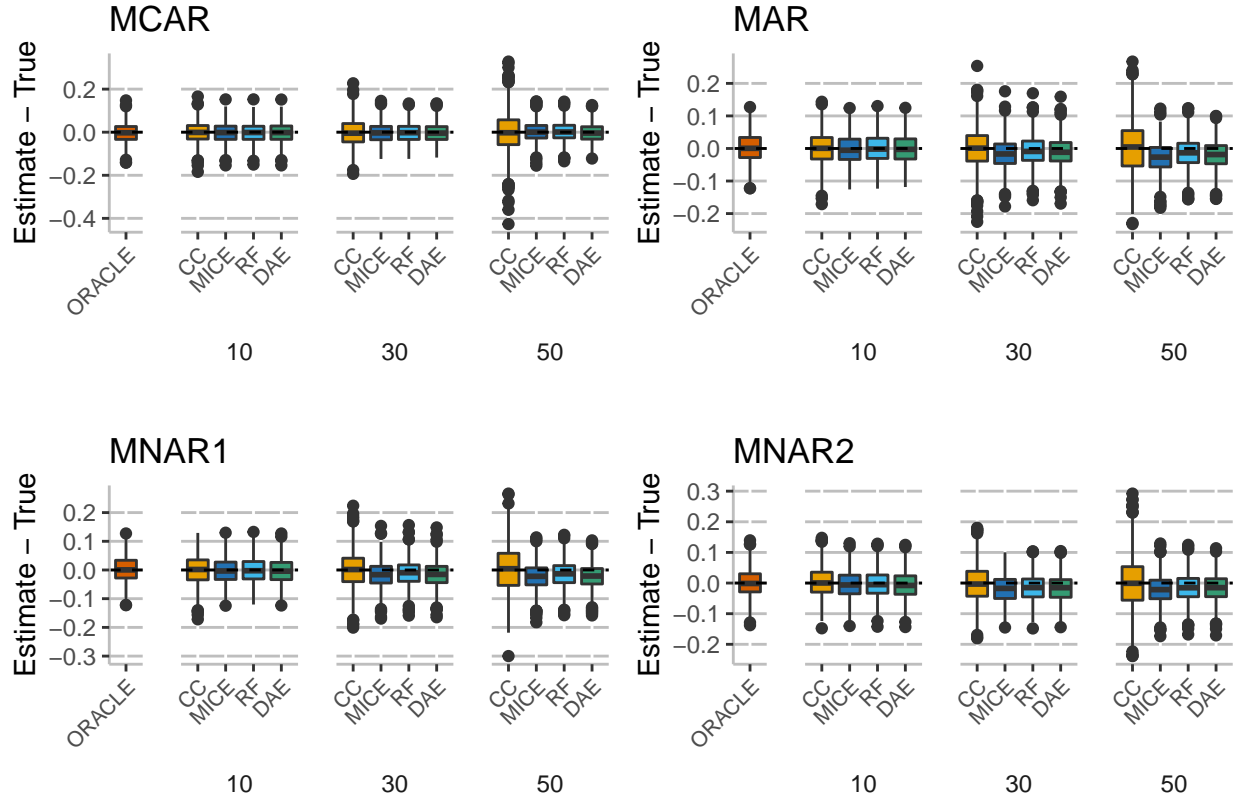


```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```



smokey

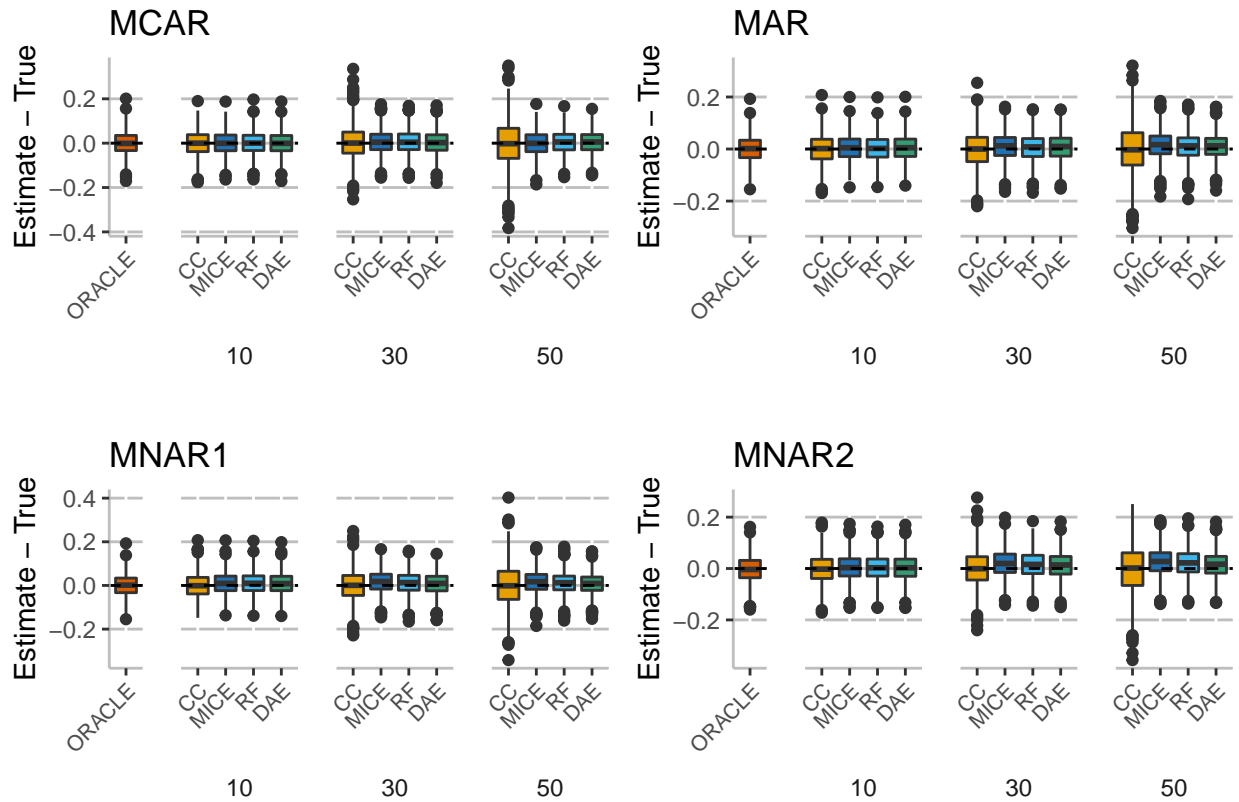
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

dgradeh

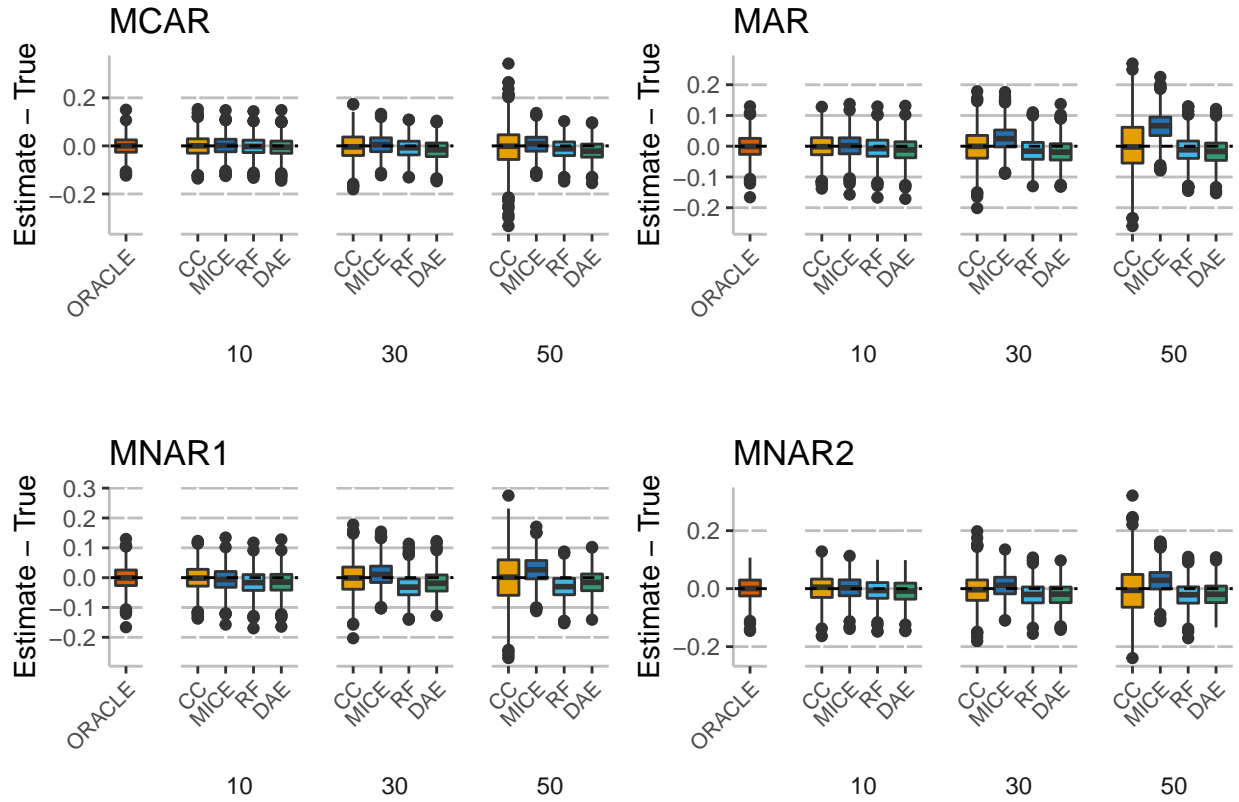
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

surgery

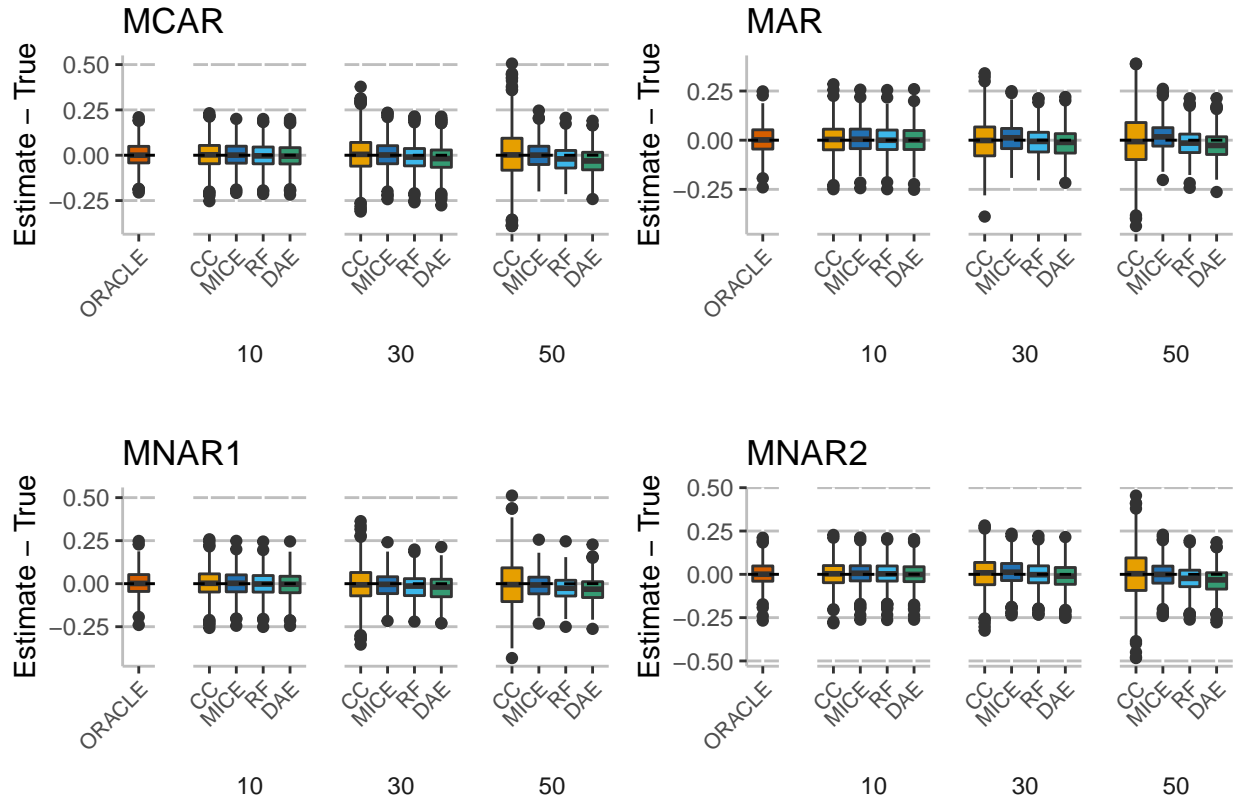
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

site\_ureter

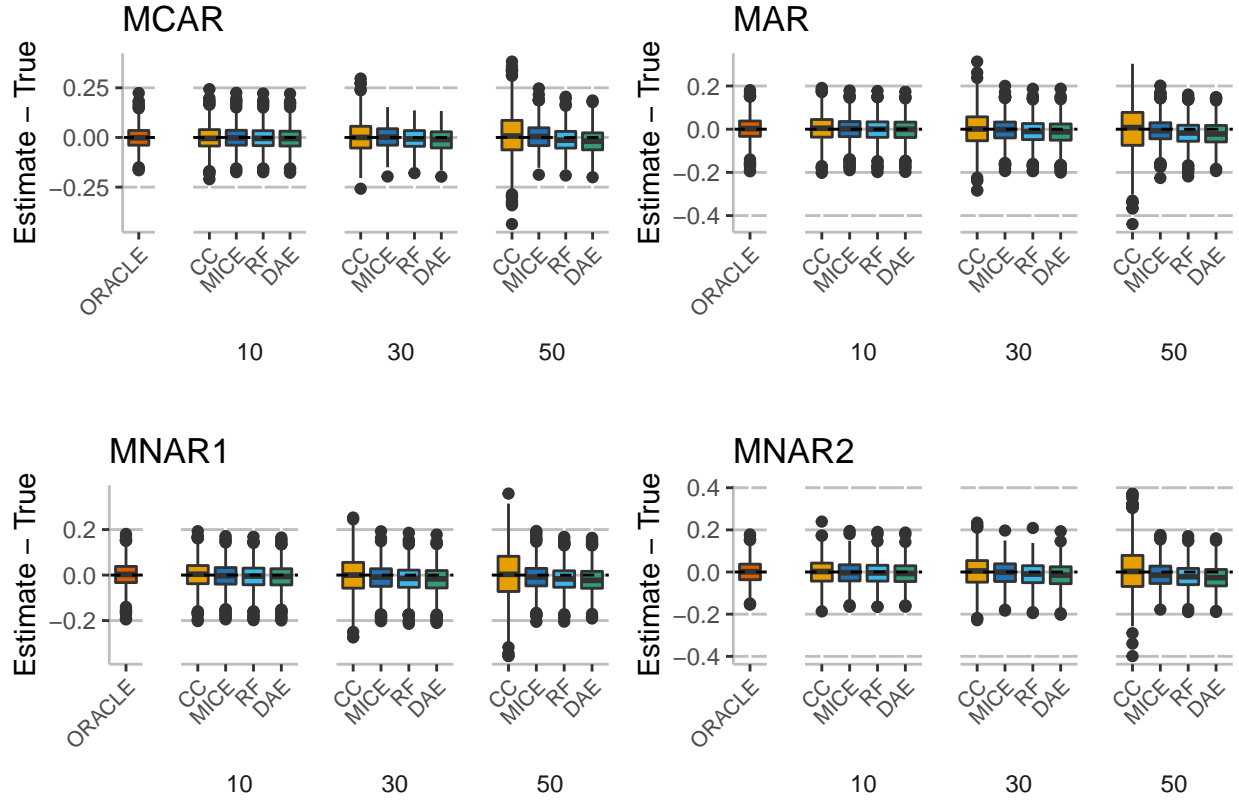
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

site\_renal

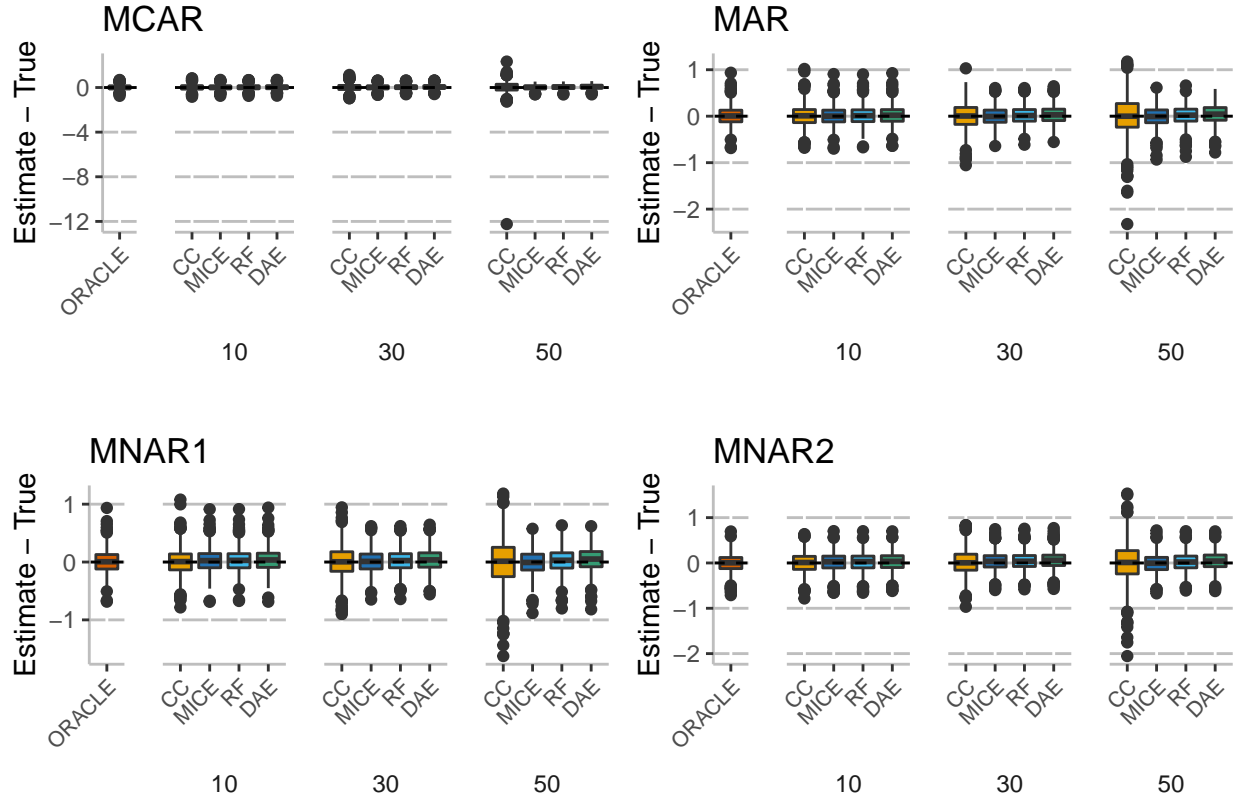
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

site\_urethra

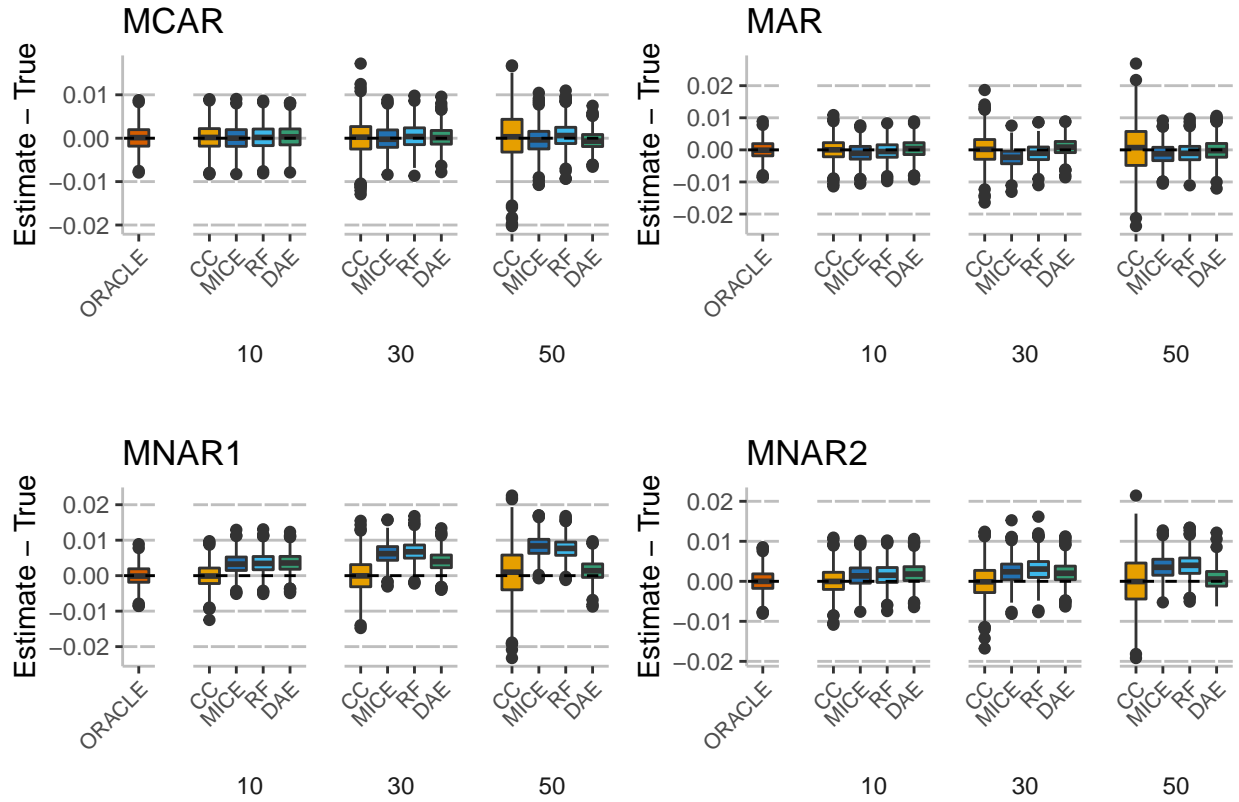
## Warning: Removed 8 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

age

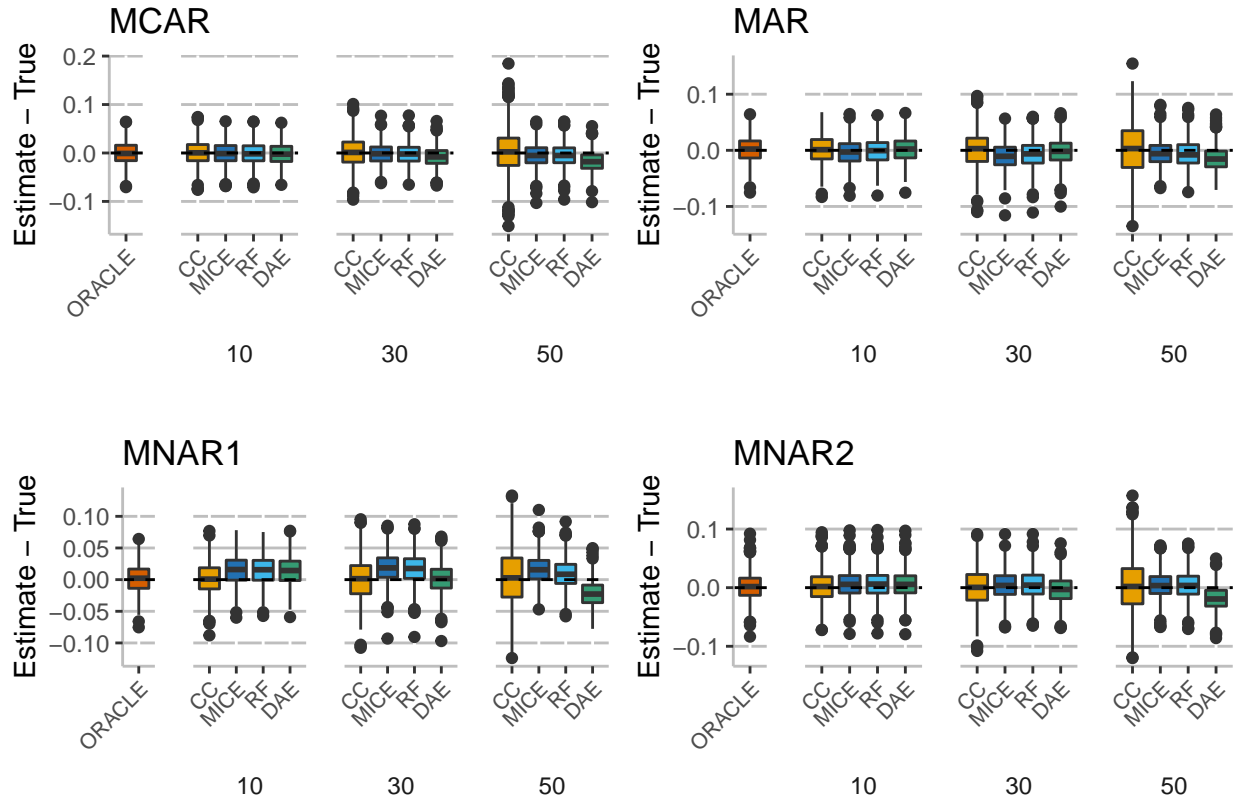
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

var1

## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).

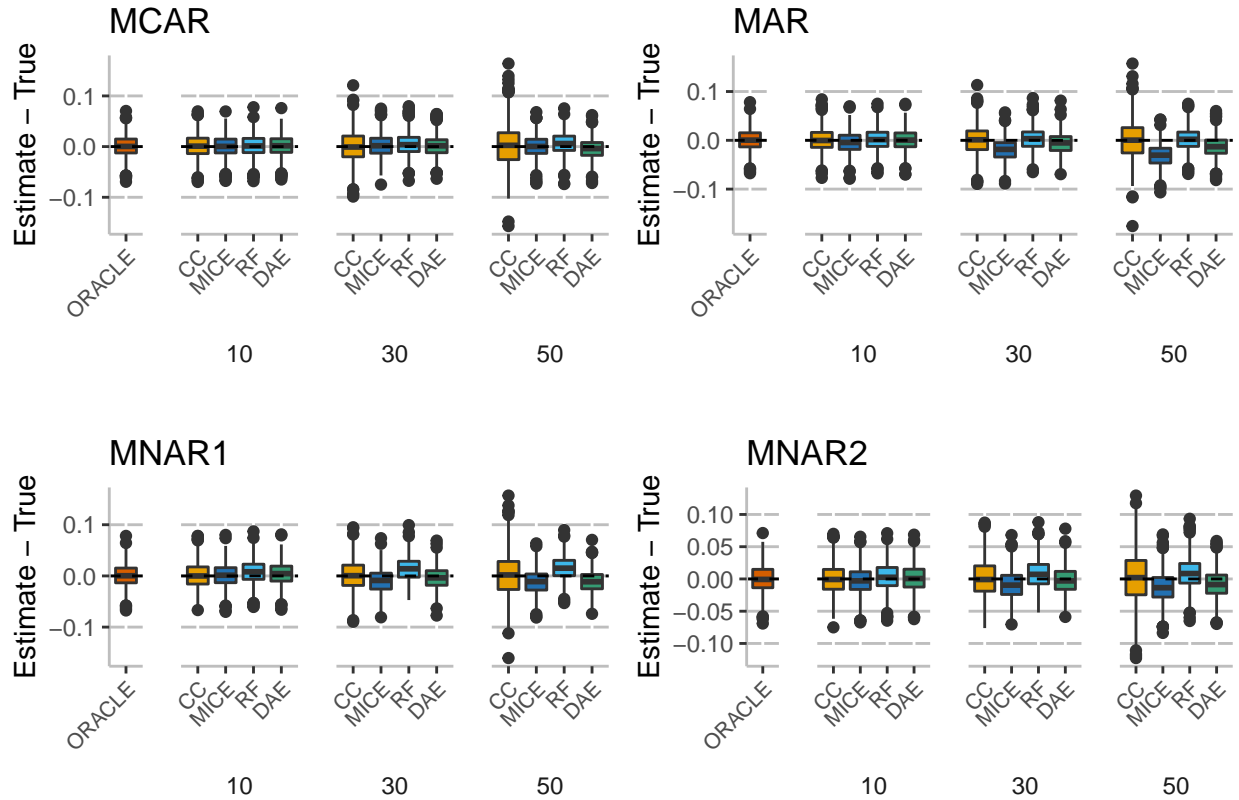


```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```



var2

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

## All Figures

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

```
## pdf
```

```
## 2
```

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
```

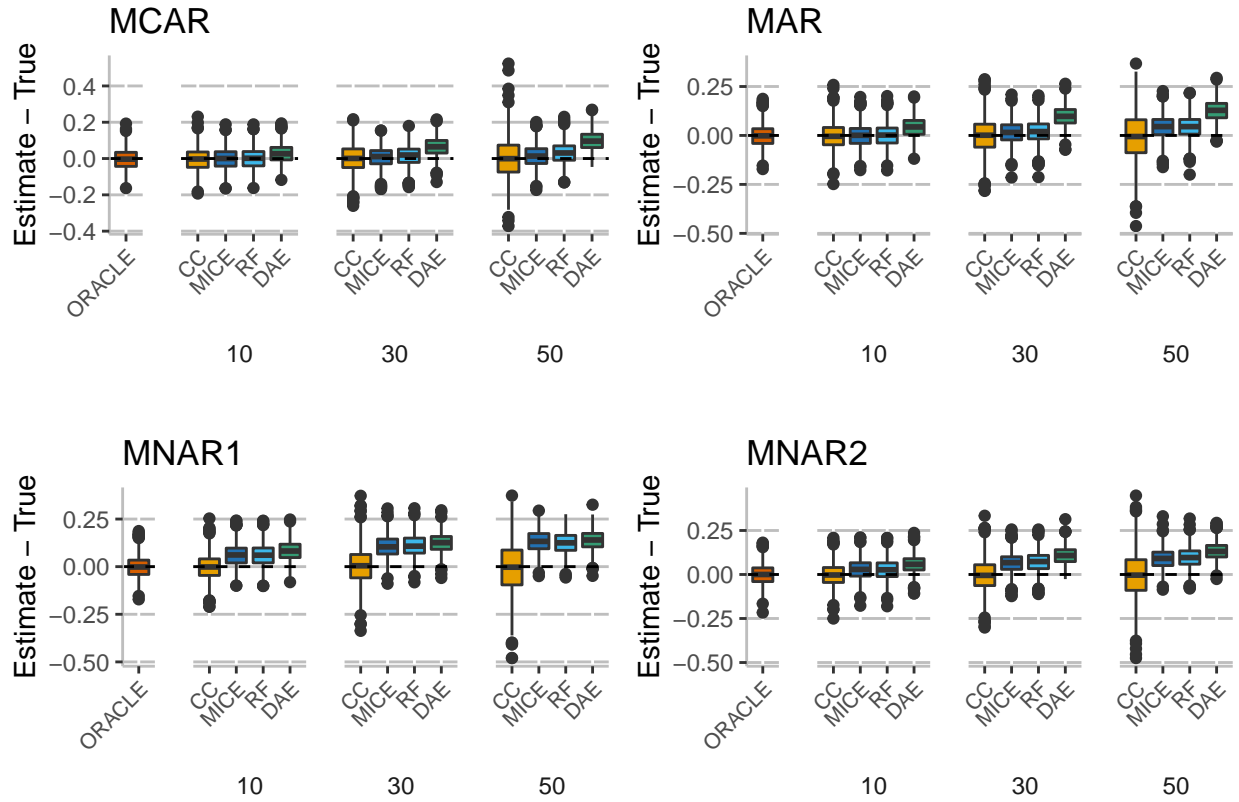
```
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]

## pdf
## 2
```

**Simple outcome model, original DAE layers**

treat

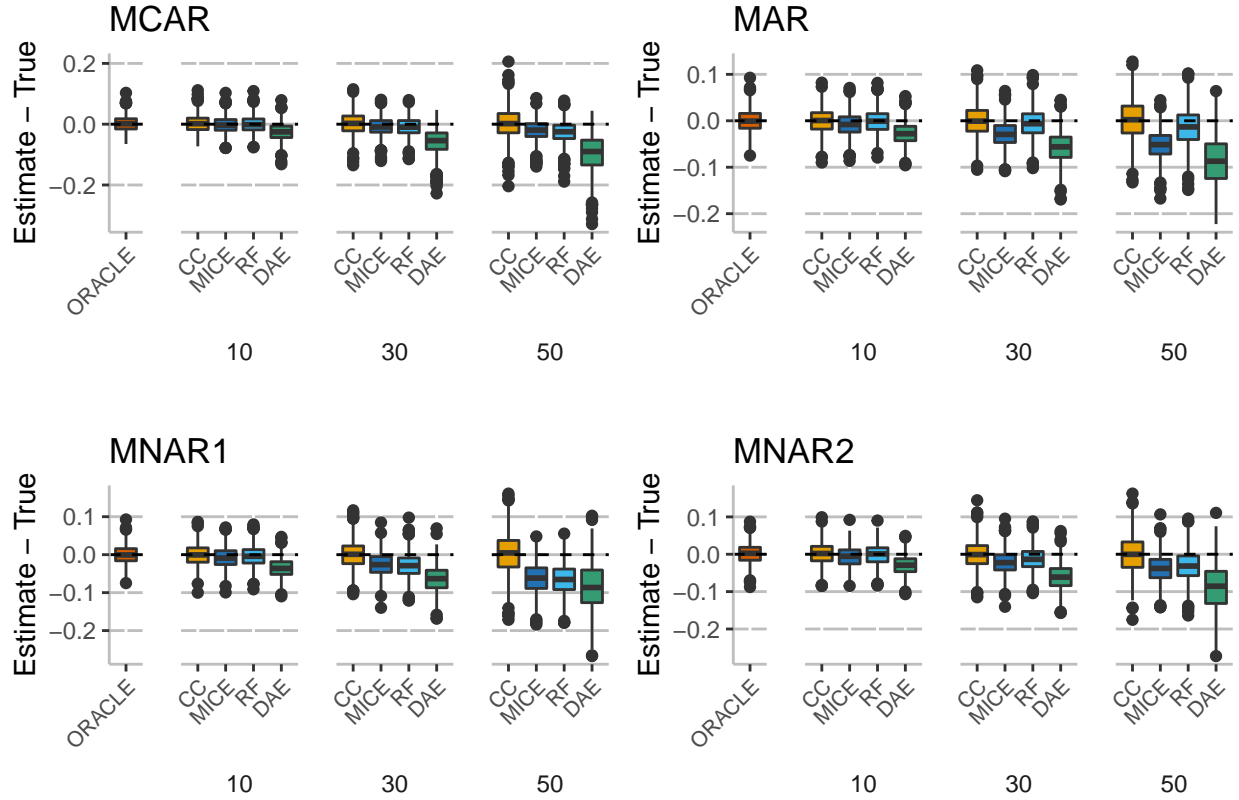
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

b.ecogvalue

## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



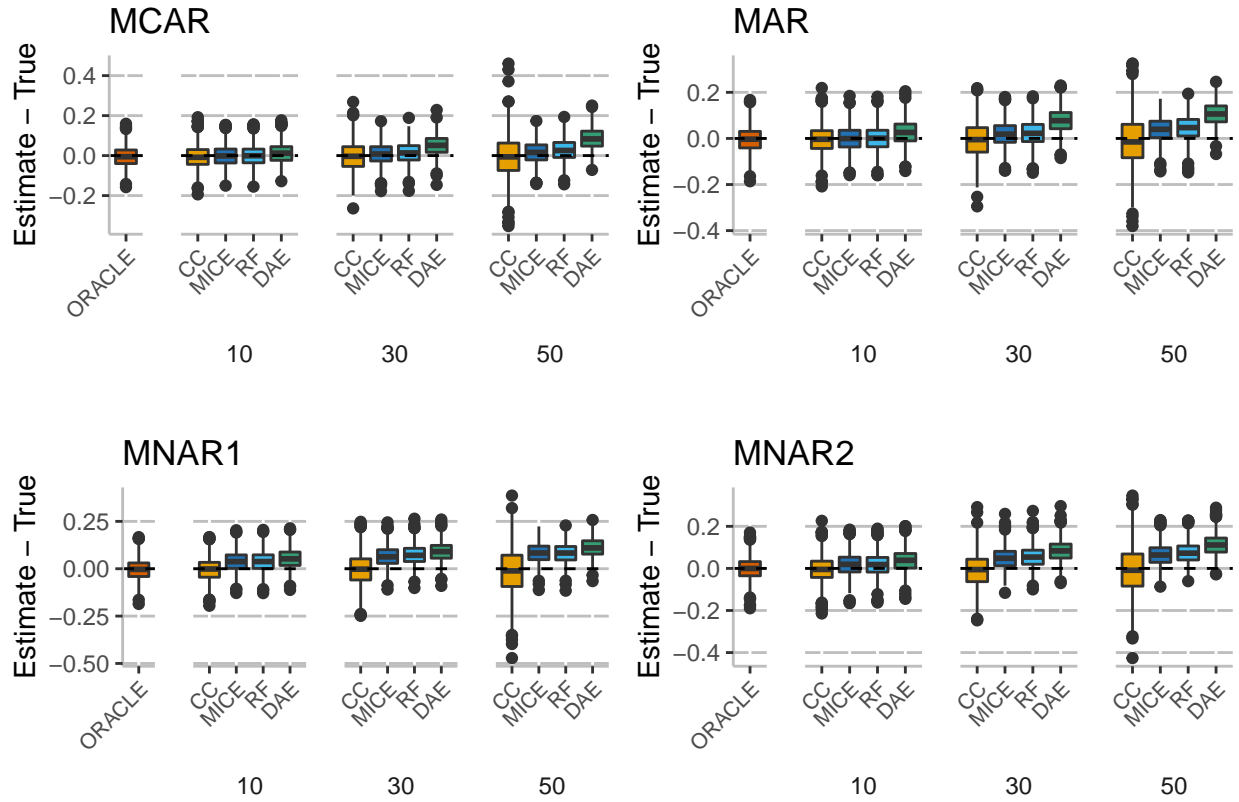
```
## TableGrob (2 x 2) "arrange": 4 grobs
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## 1 1 (1-1,1-1) arrange gtable[layout]
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

All Figures

Full outcome model, fewer DAE layers

treat

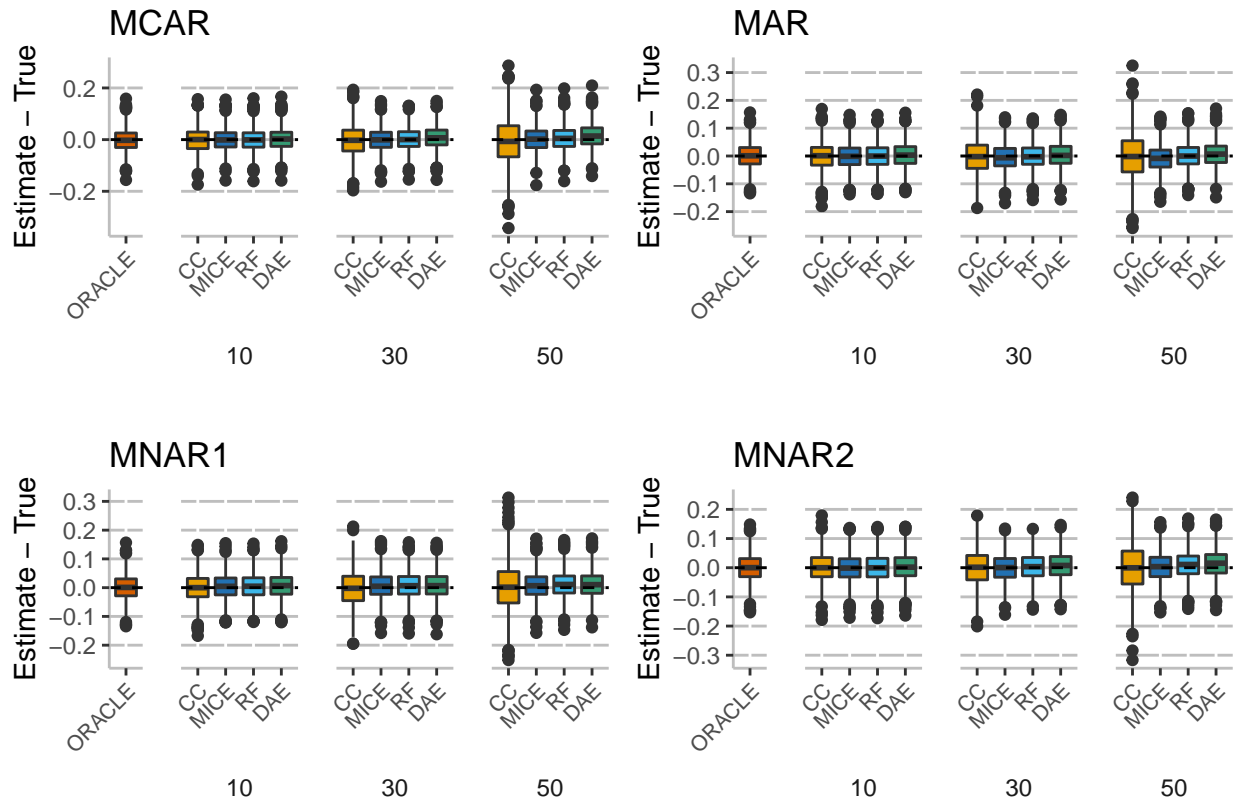
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

genderf

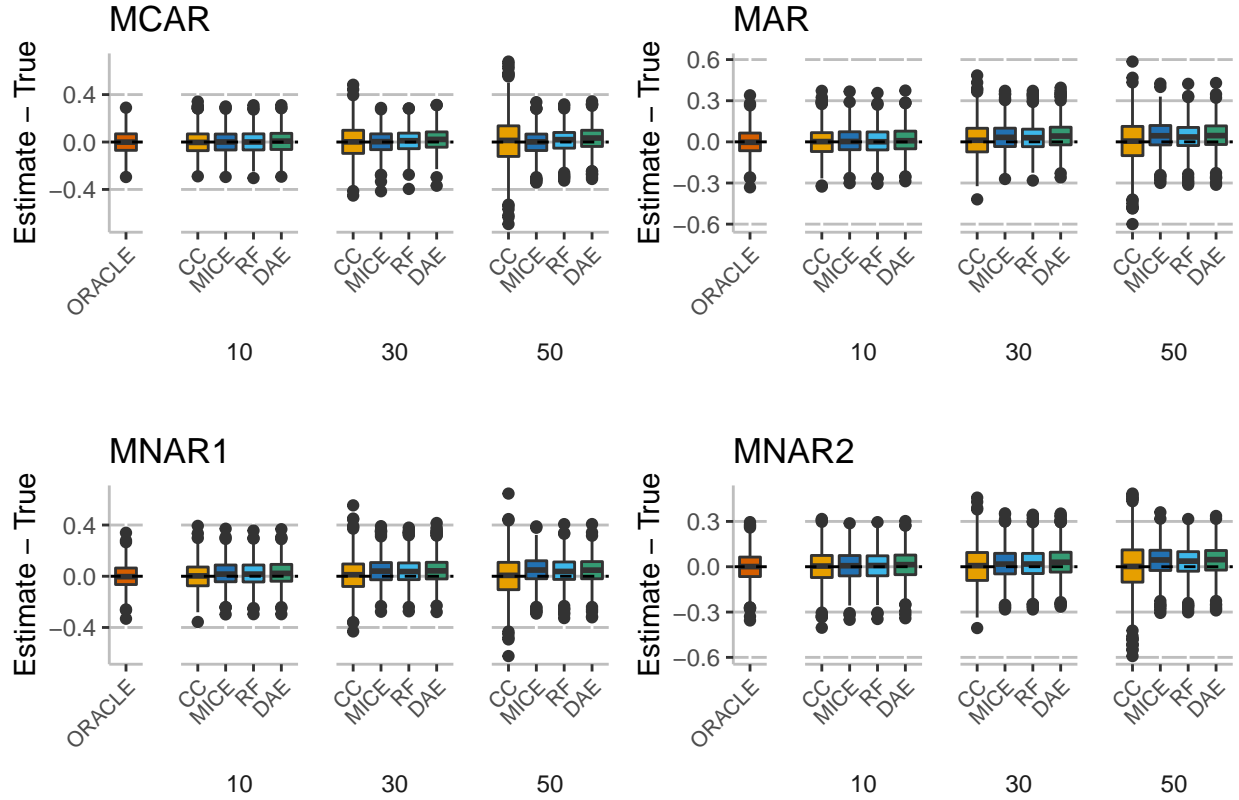
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth\_black

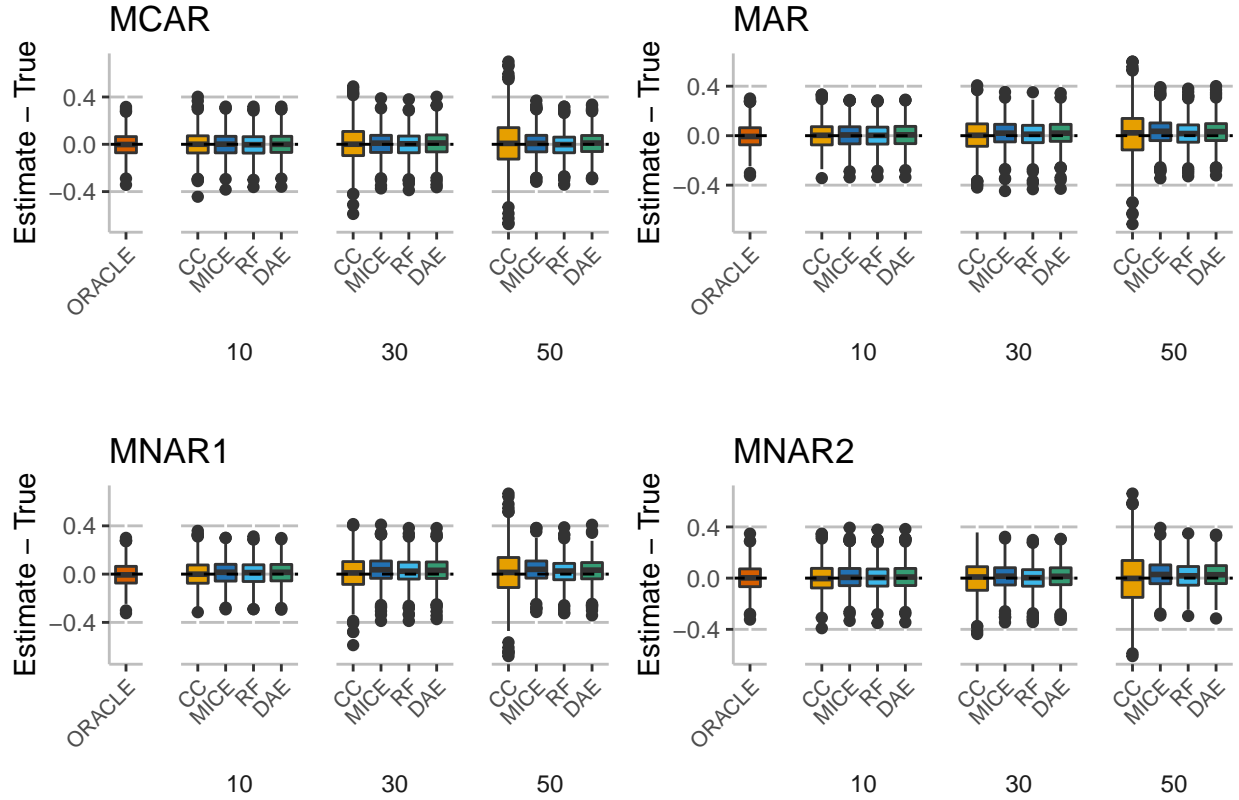
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



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## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth\_hisp

## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).

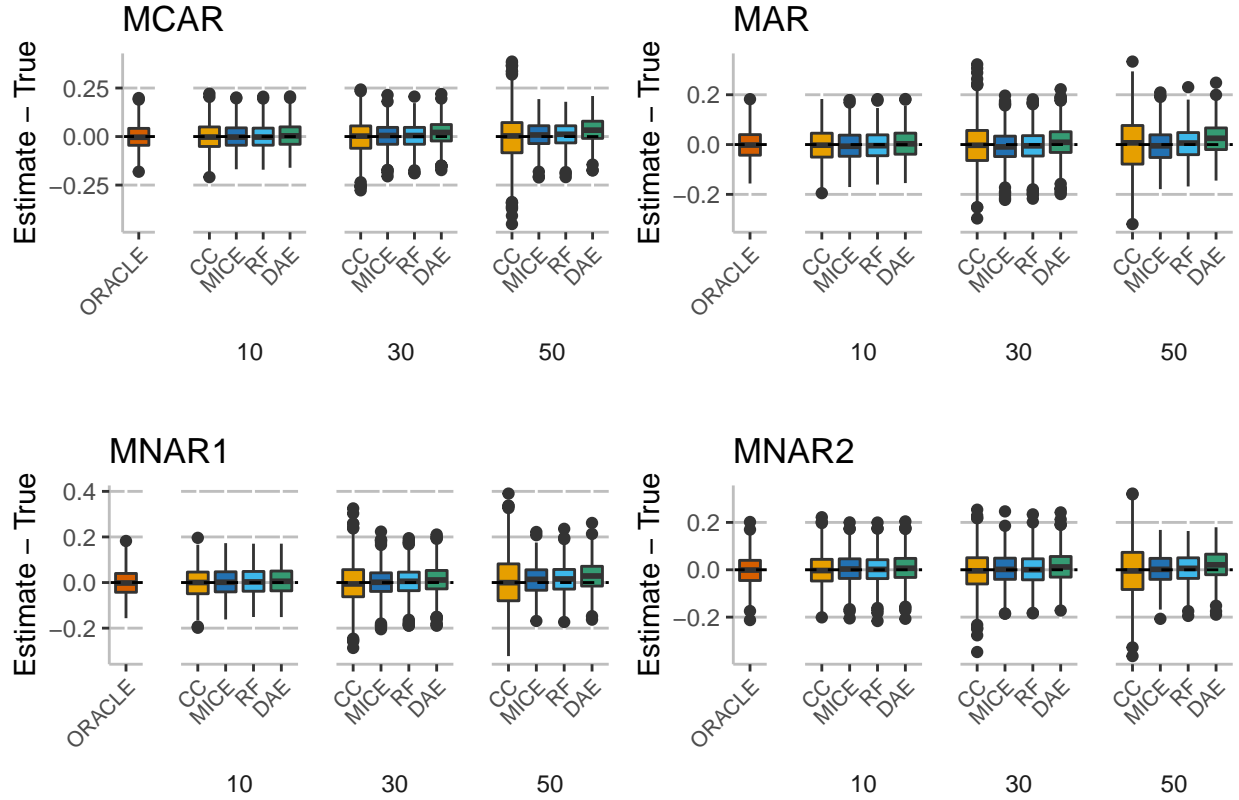


```
## TableGrob (2 x 2) "arrange": 4 grobs
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```



reth\_oth

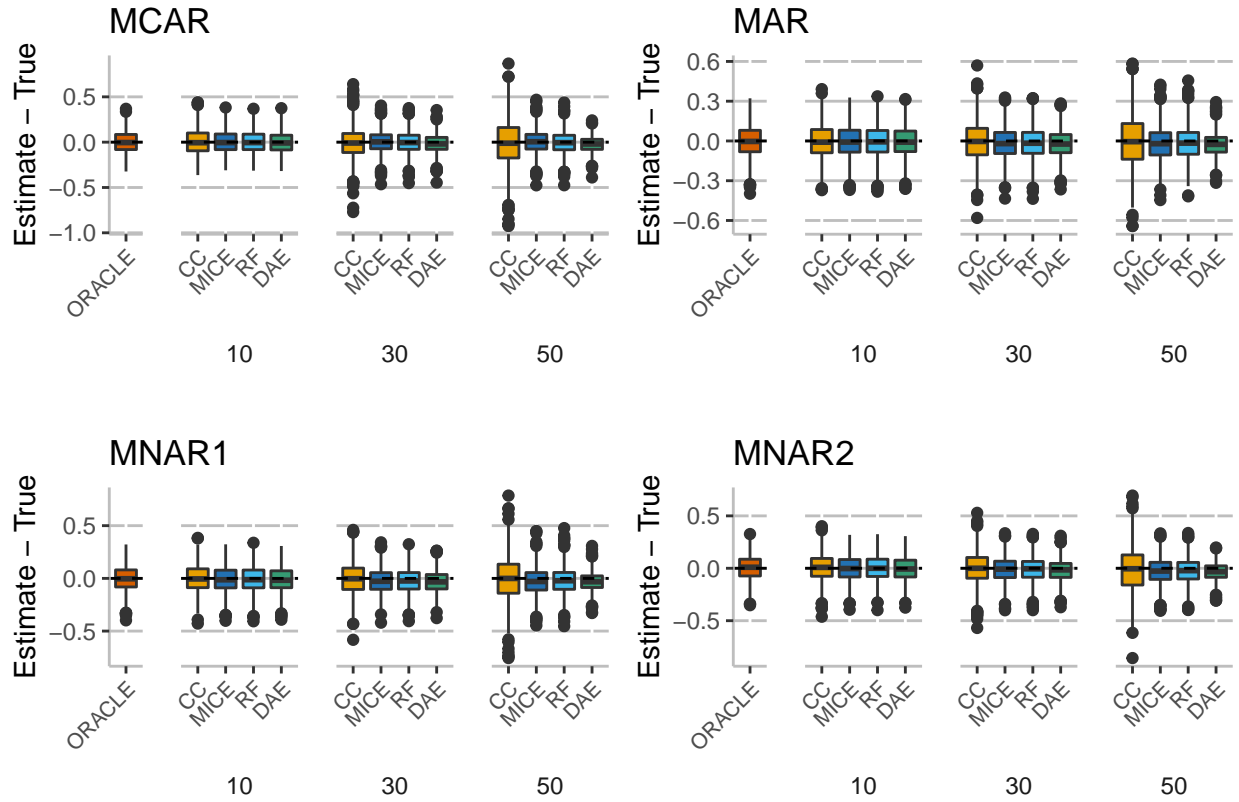
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## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

## practypec

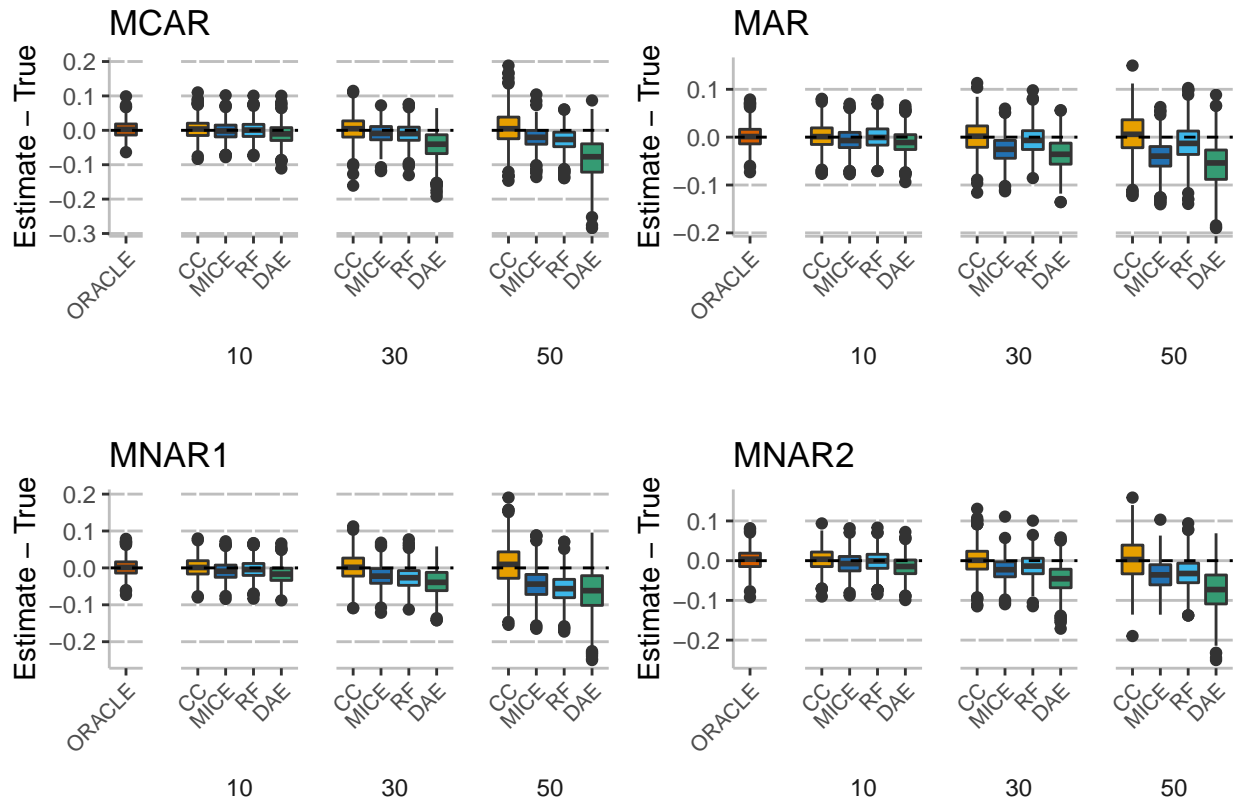
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

## b.ecogvalue

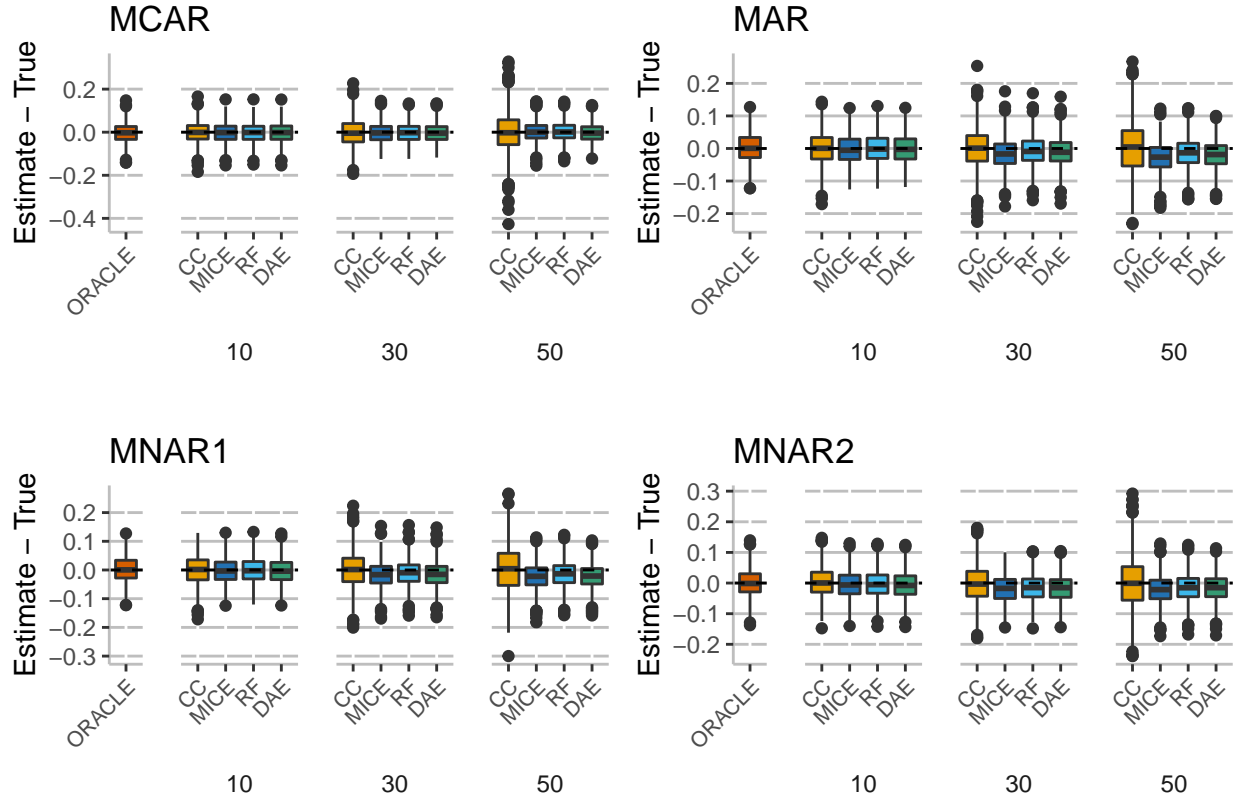
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## TableGrob (2 x 2) "arrange": 4 grobs
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

smokey

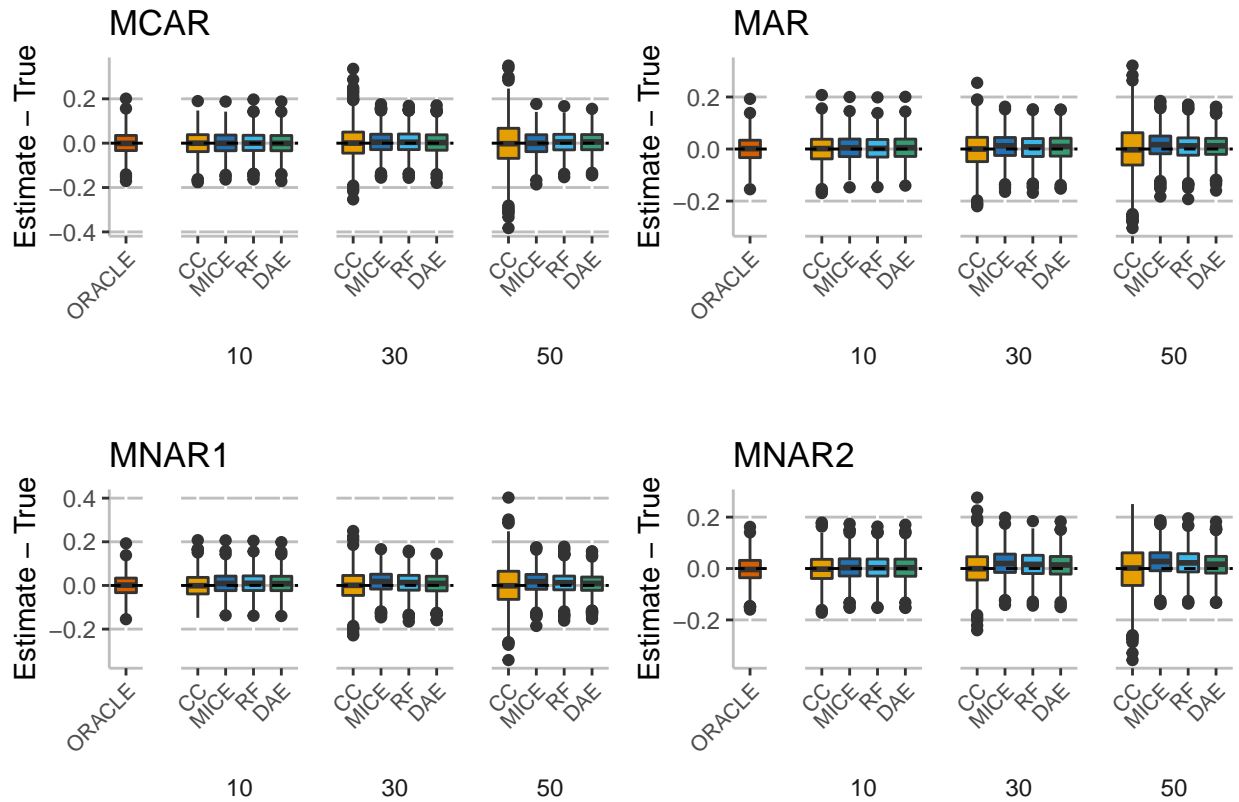
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

dgradeh

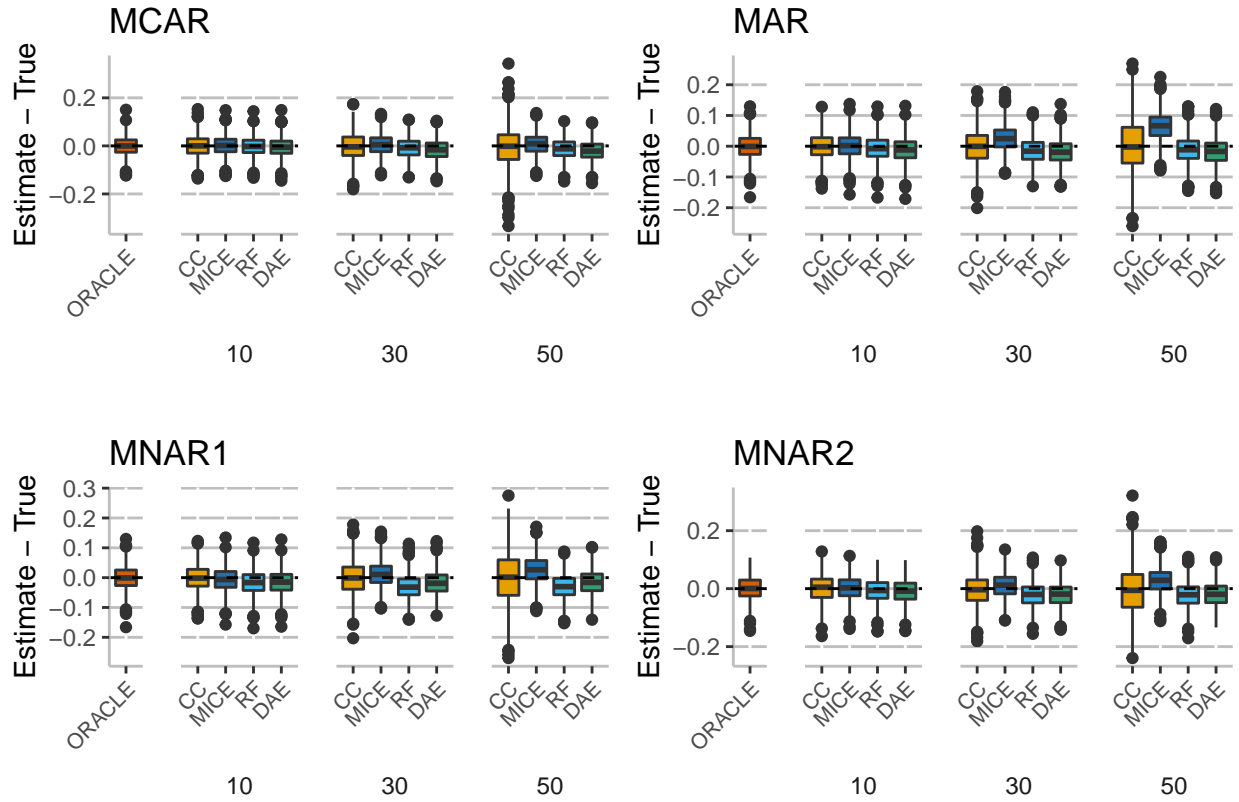
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

surgery

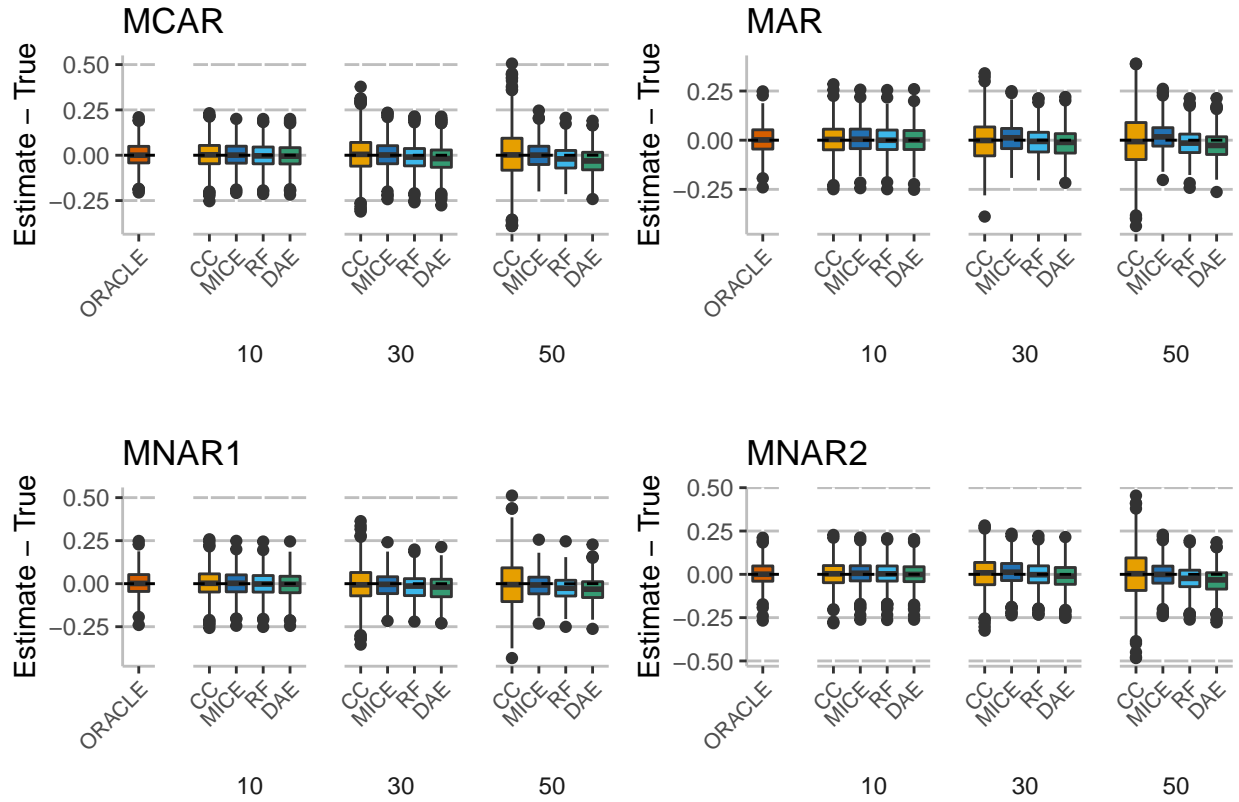
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
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```

site\_ureter

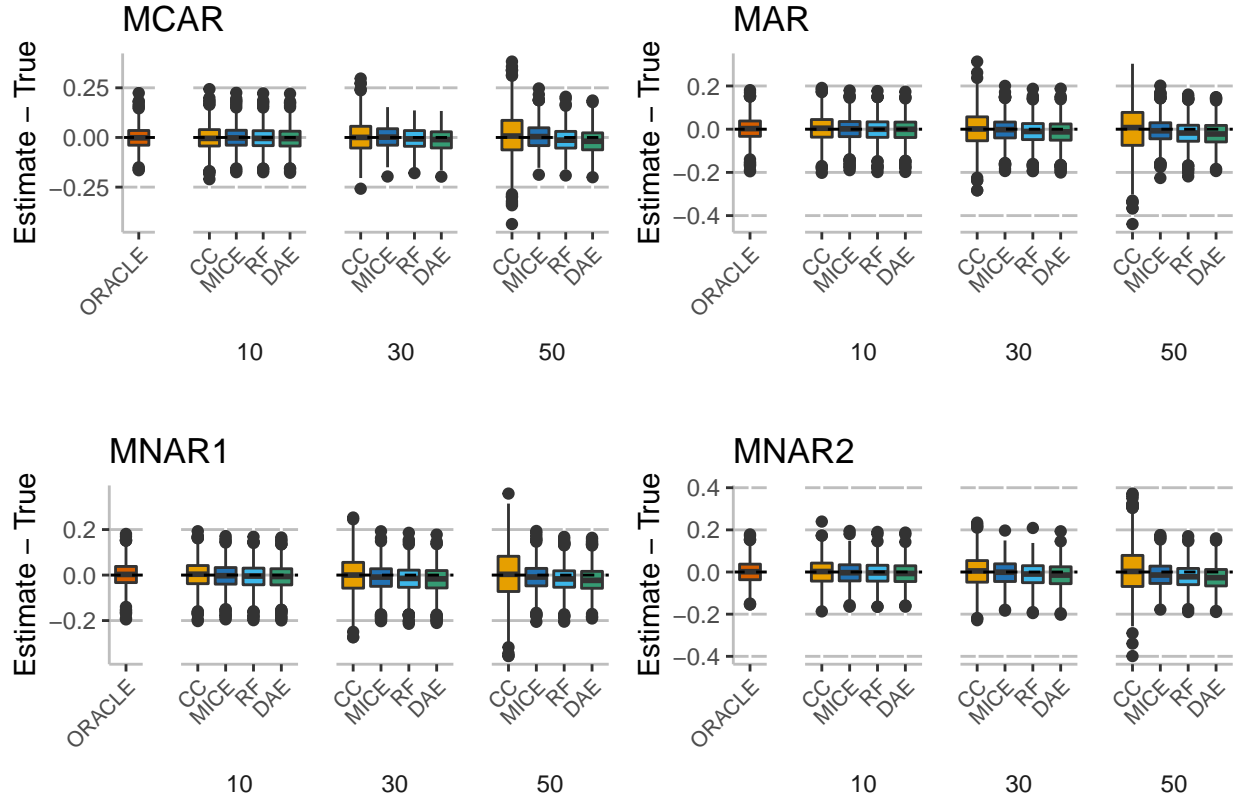
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

site\_renal

## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).

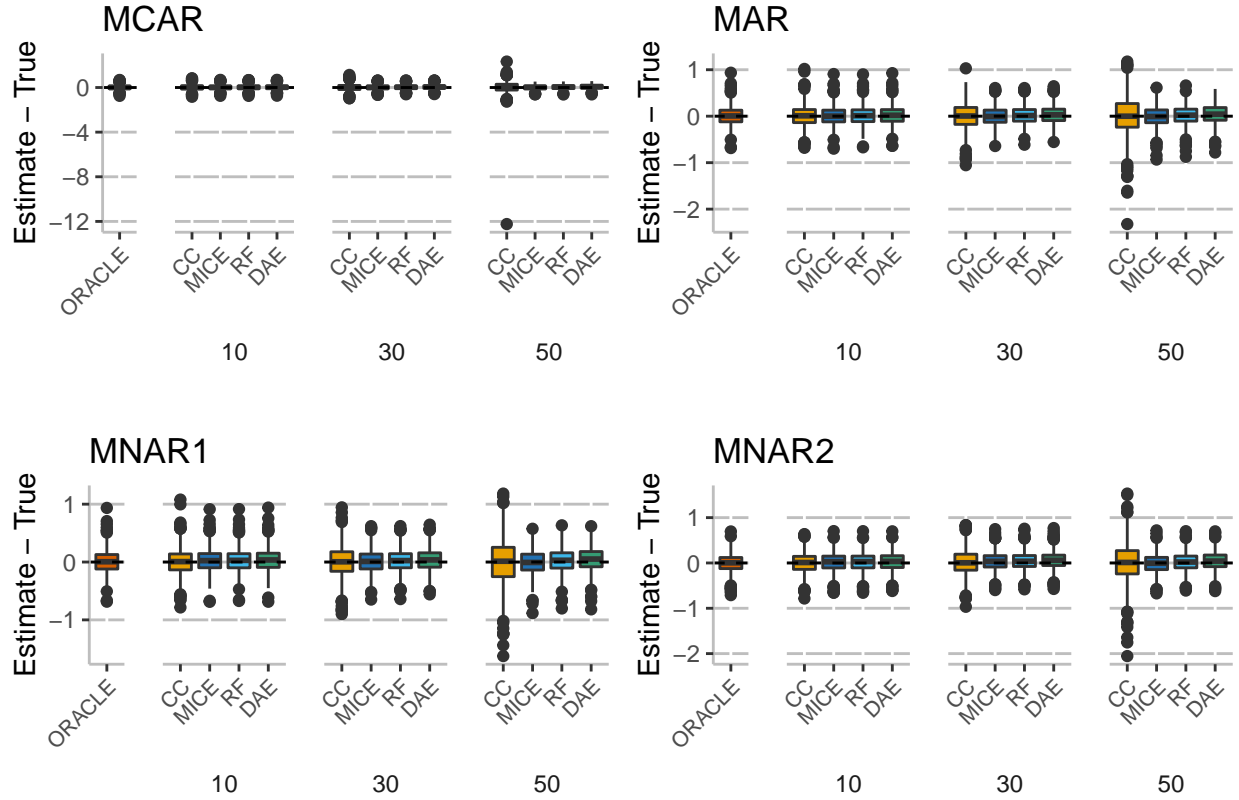


```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
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## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```



site\_urethra

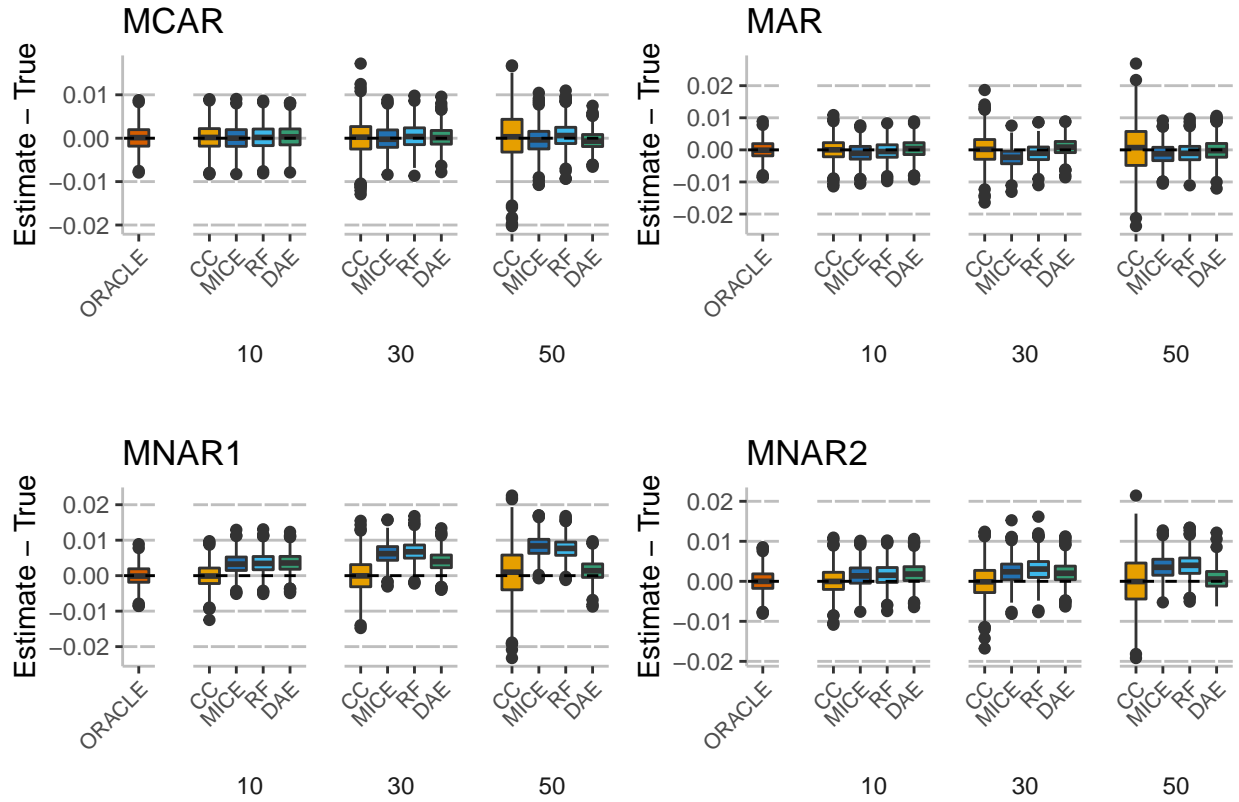
## Warning: Removed 8 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

age

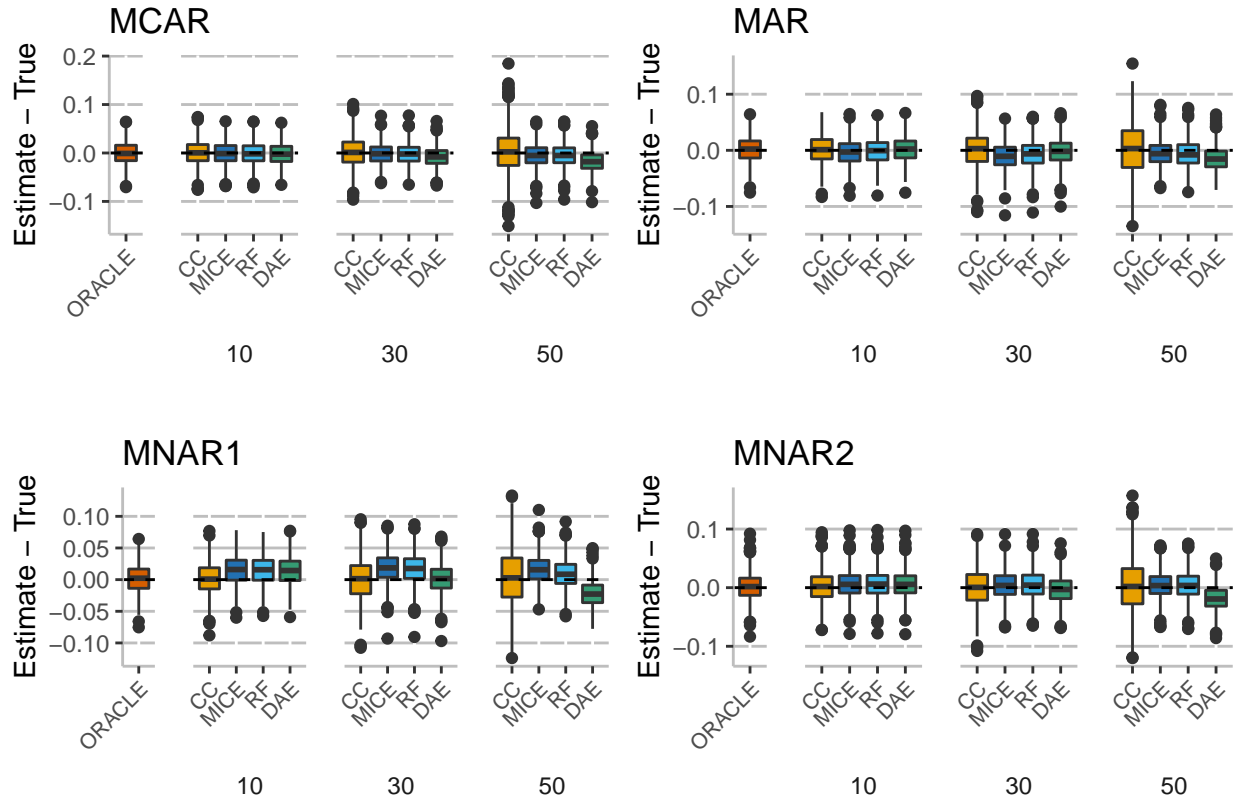
## Warning: Removed 6 rows containing non-finite values (stat\_boxplot).



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells      name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

var1

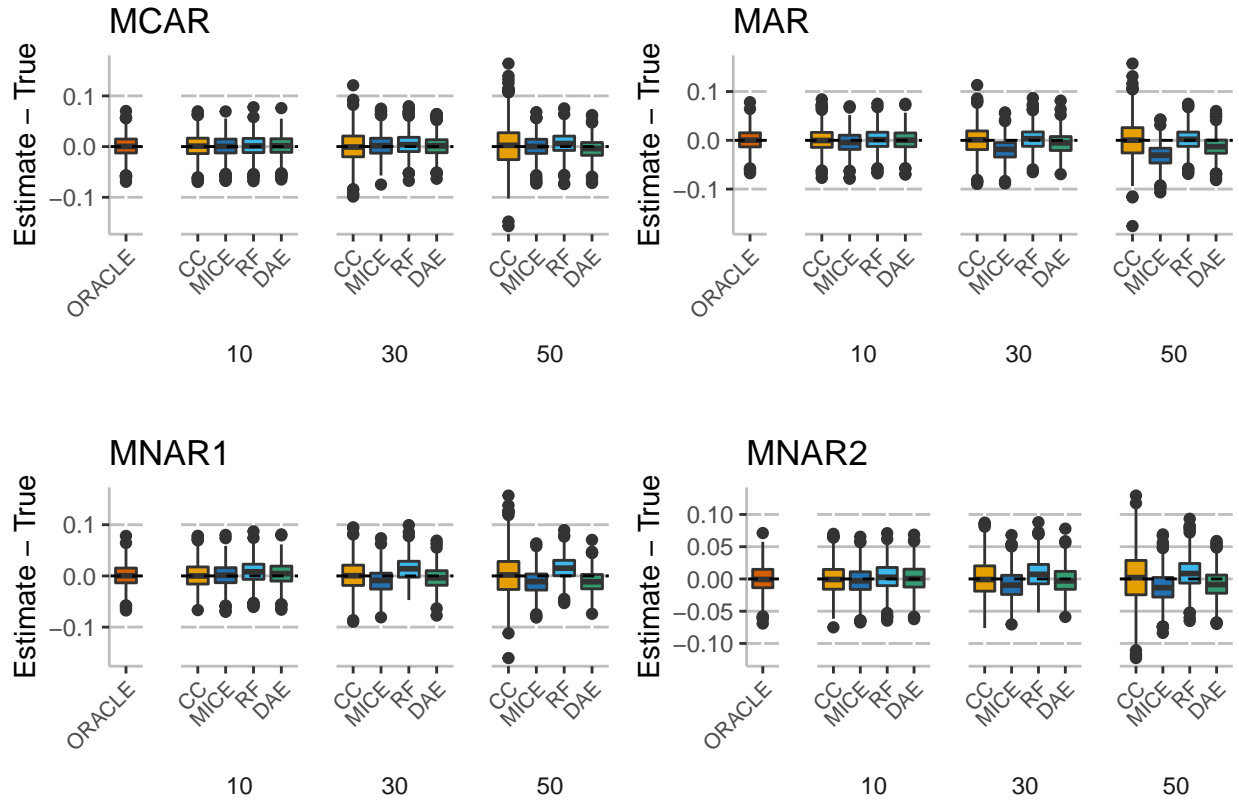
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

var2

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

## All Figures

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]
```

```
## pdf
```

```
##   2
```

```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

```
## TableGrob (2 x 2) "arrange": 4 grobs
##   z      cells   name      grob
## 1 1 (1-1,1-1) arrange gtable[layout]
```

```
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]

## pdf
## 2
```