MI Paper Plots

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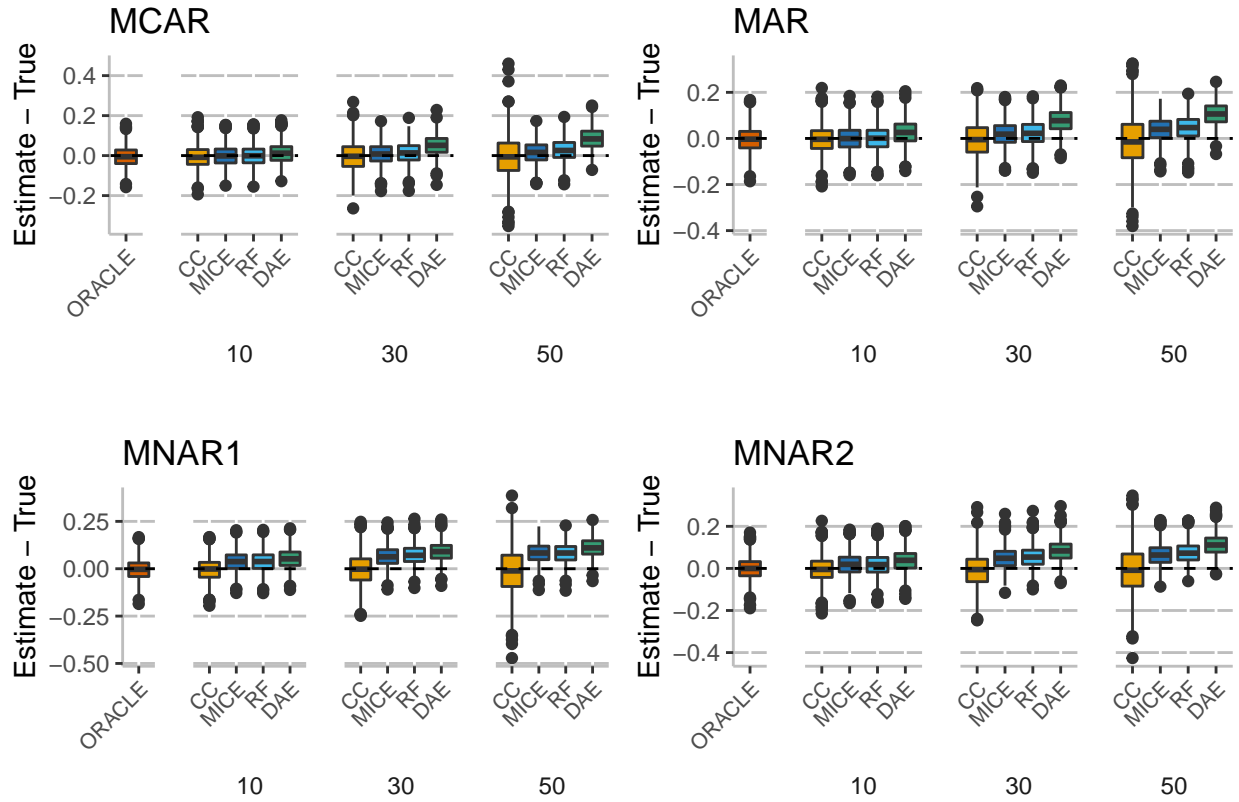
Results using 500 simulations, 10 MI trueTreatment approx -0.69, trueEcog appox 0.4

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)

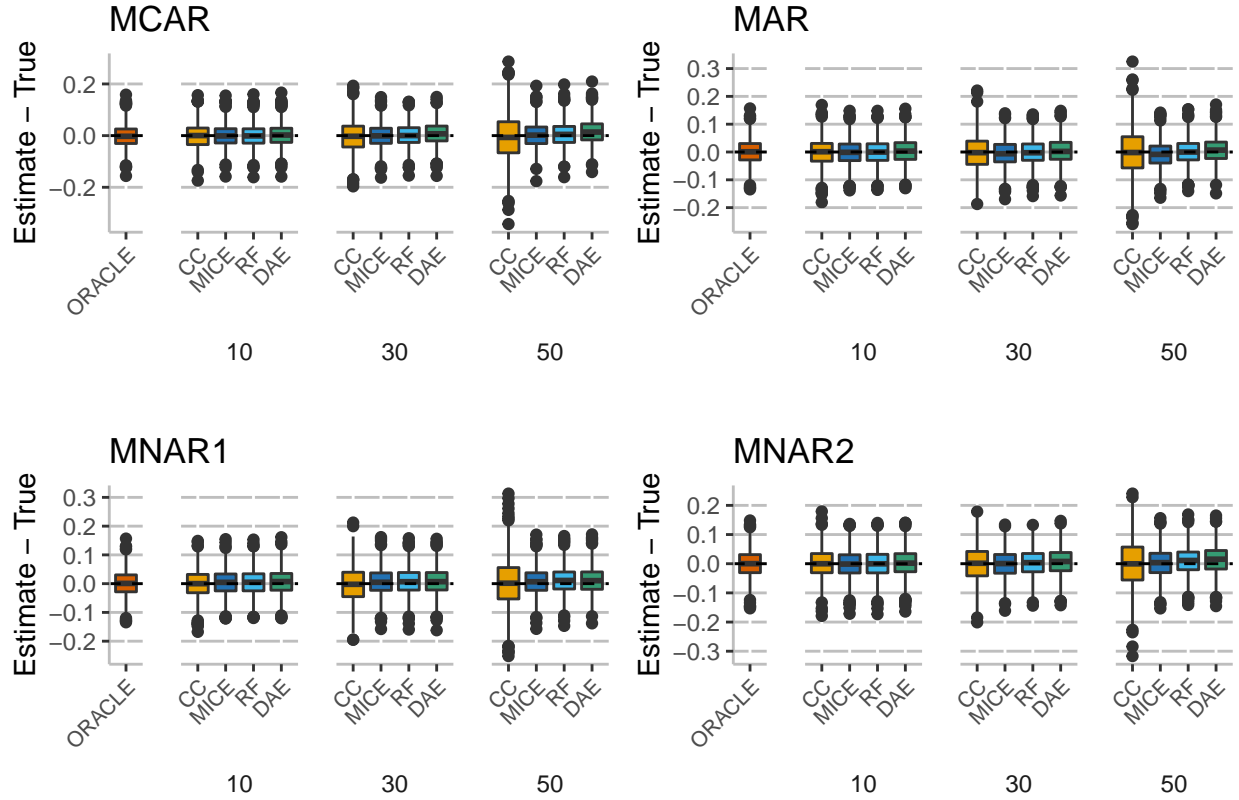## Full outcome model, original DAE layers

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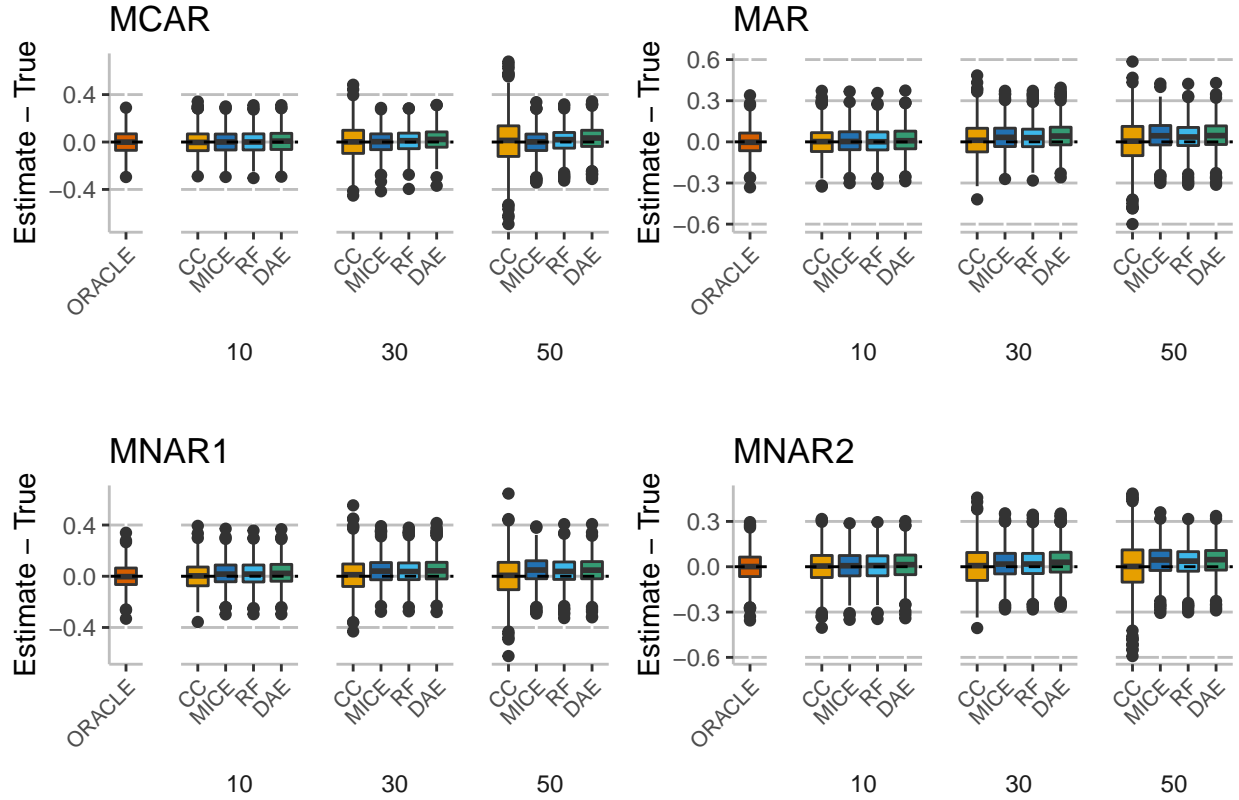## 4 4 (2-2,2-2) arrange gtable[layout]

genderf

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__black

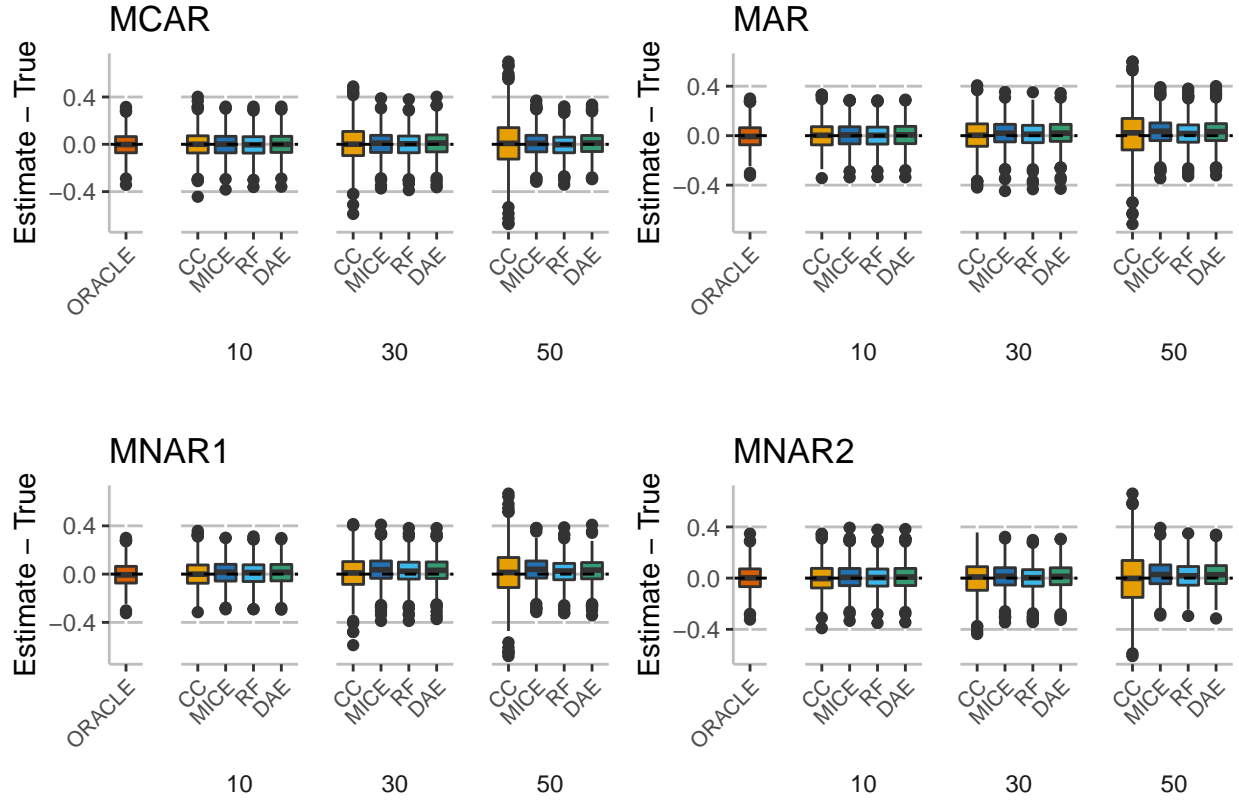## Warning: Removed 6 rows containing non-finite values (stat_boxplot).

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__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]
```
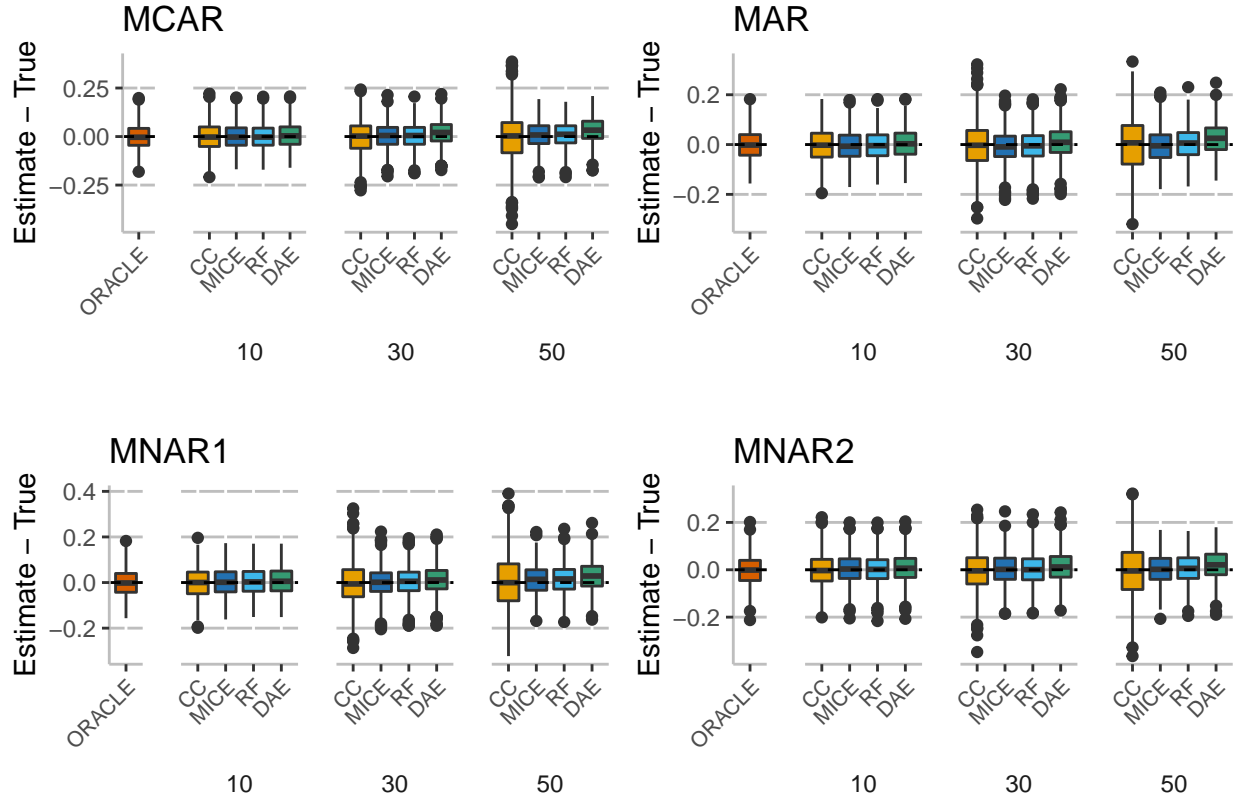
reth_oth

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



```
## 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]
```
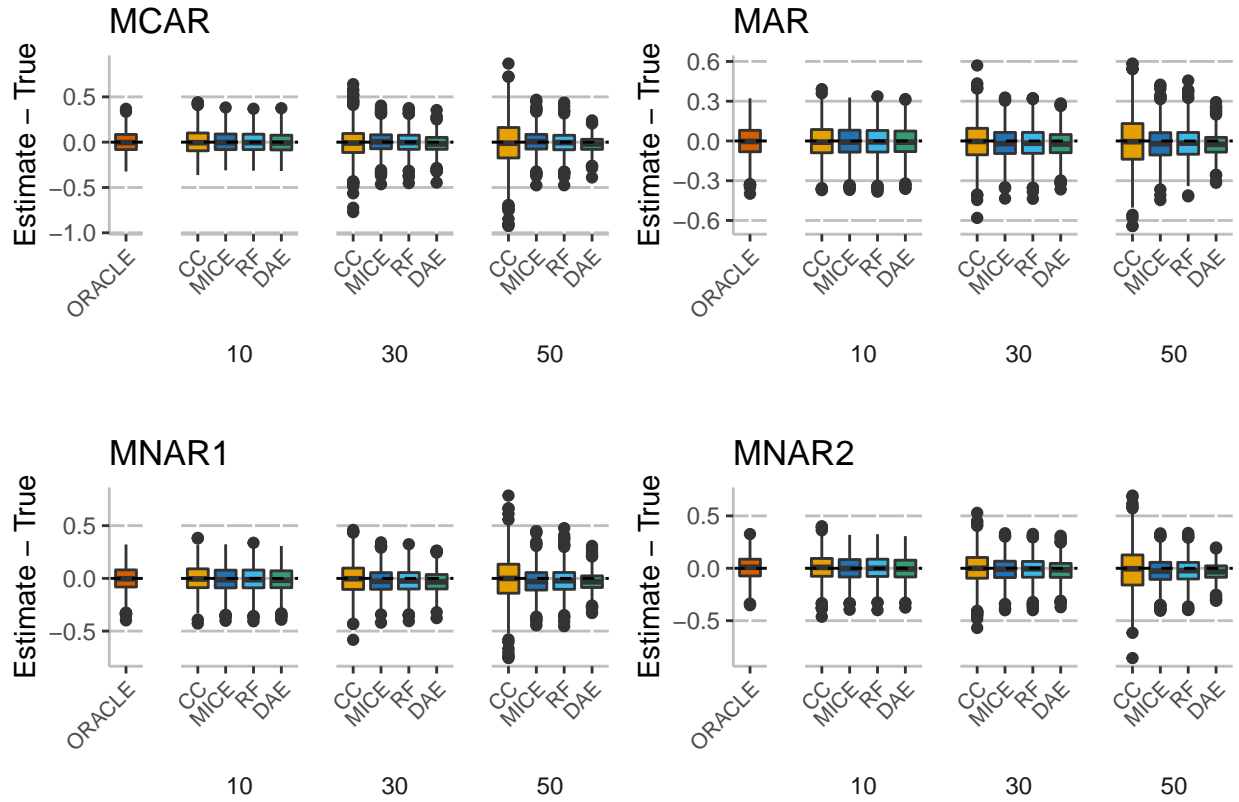
practypec

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]
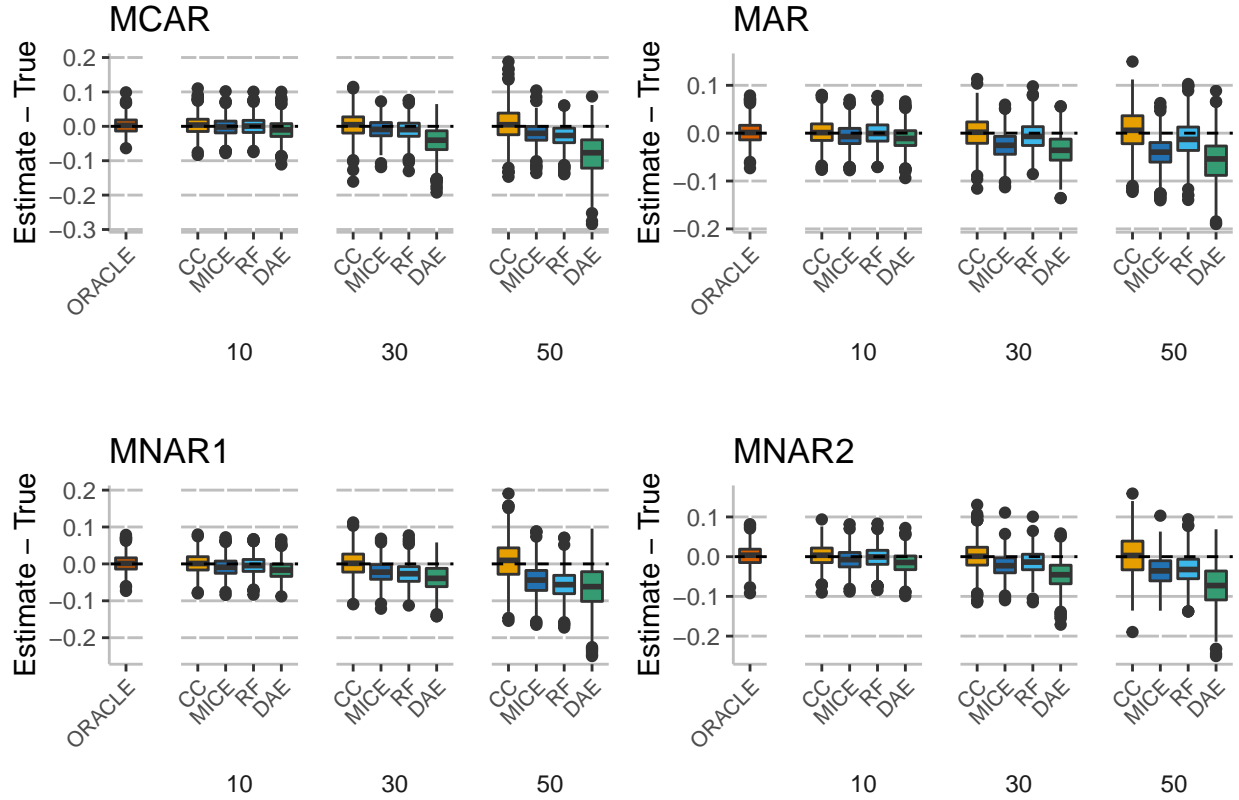
b.ecogvalue

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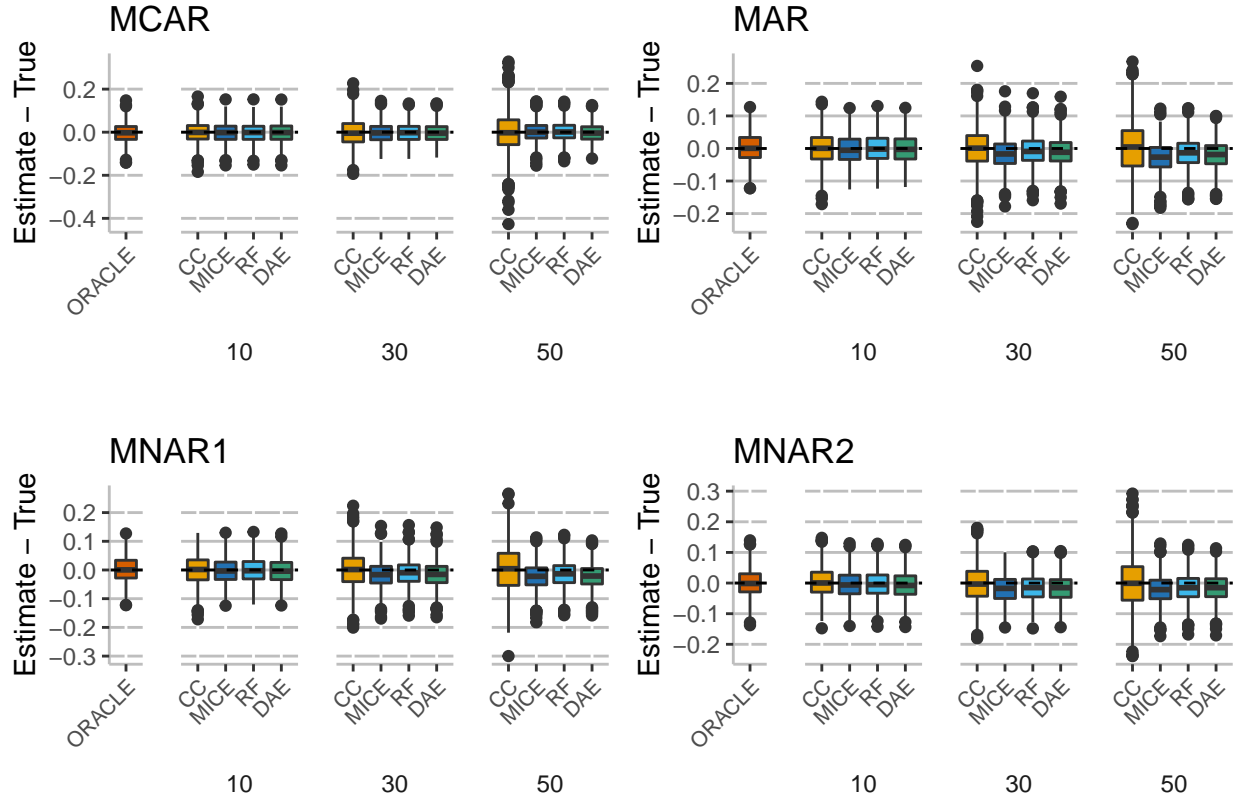
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



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

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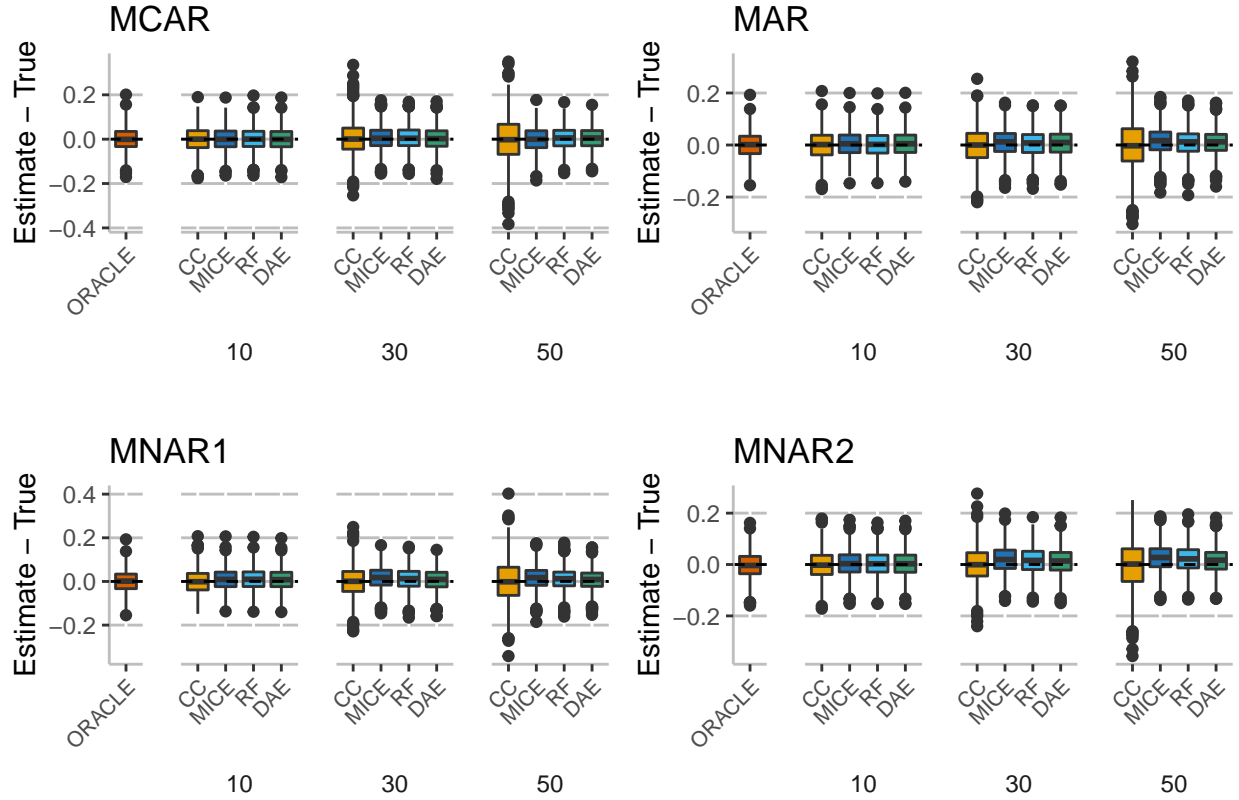
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## 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]
```
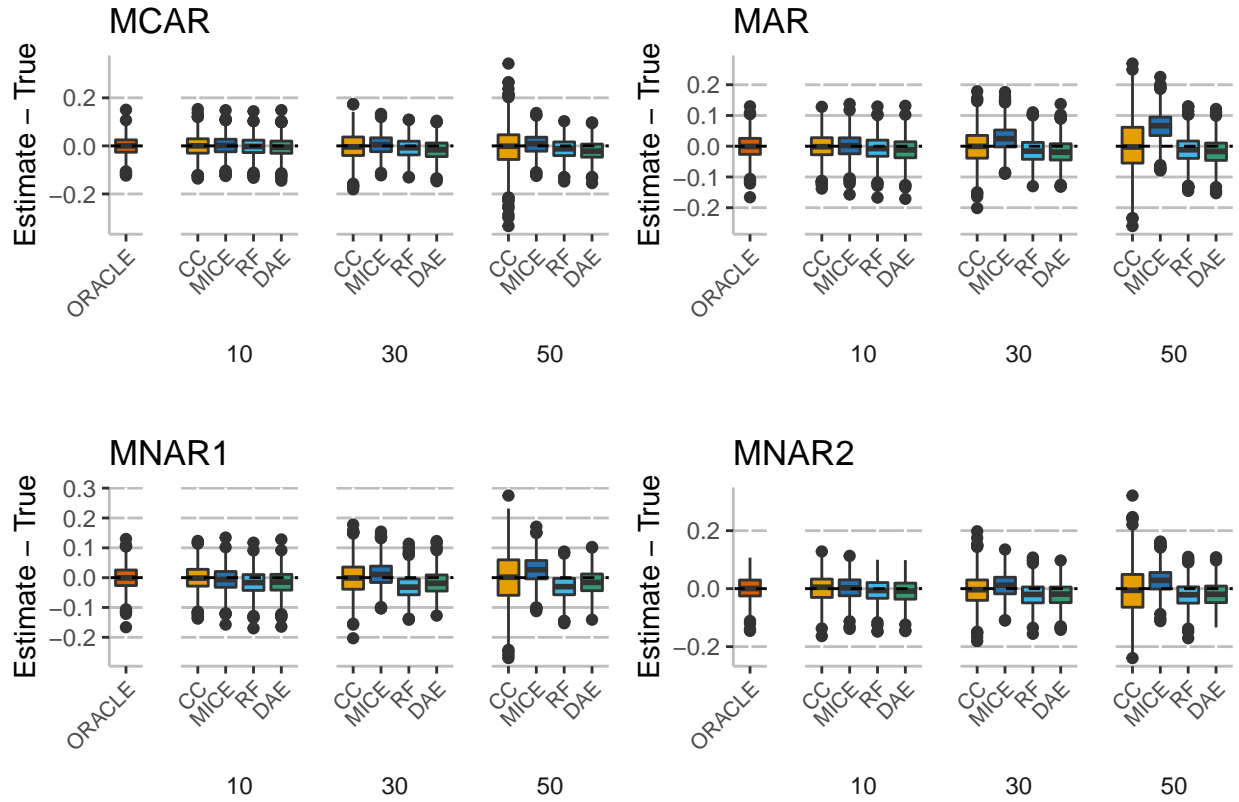
surgery

```
## 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]
```
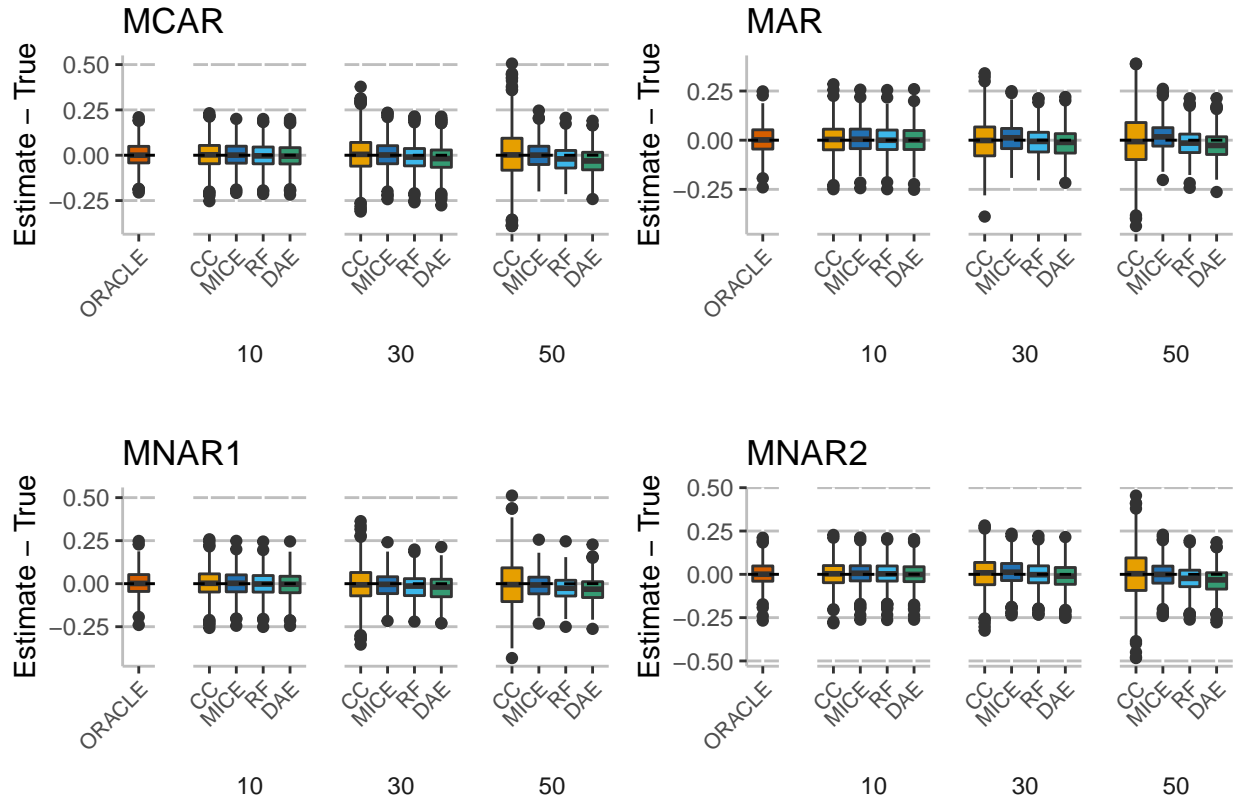
site_ureter

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

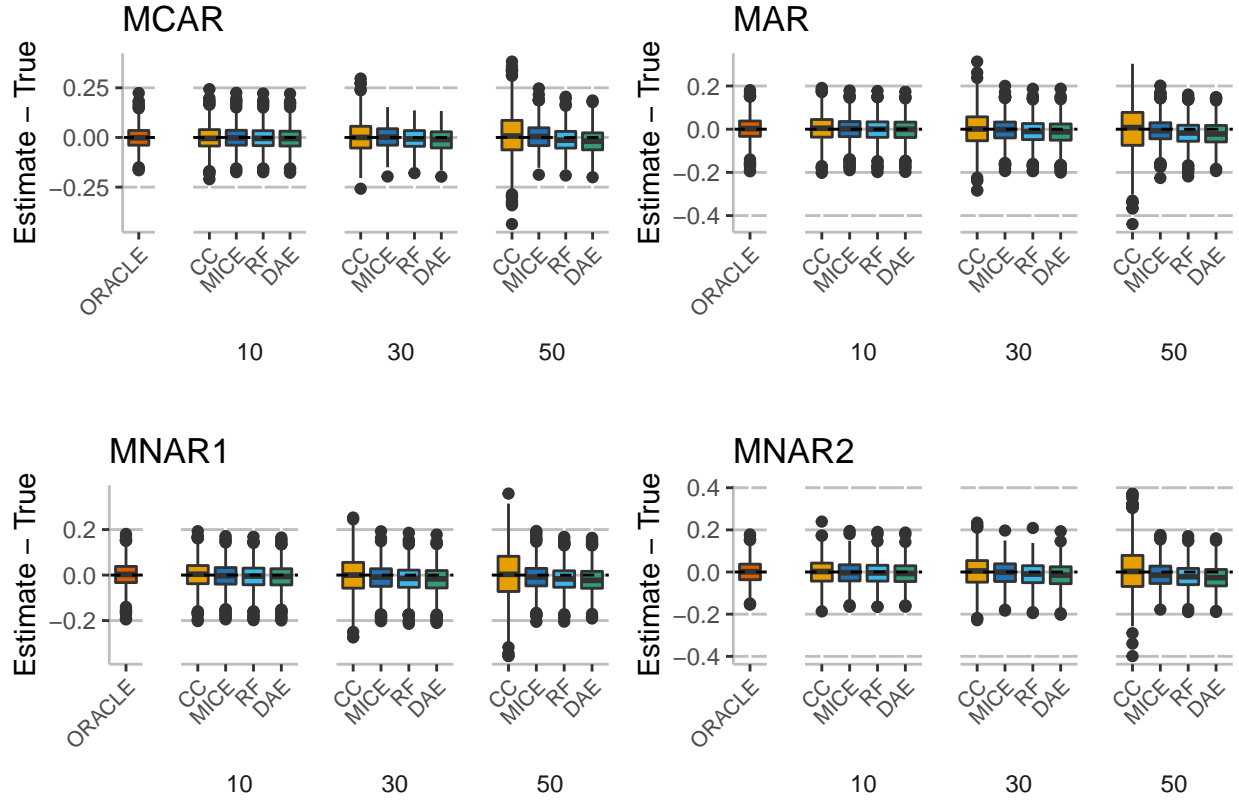## Warning: Removed 6 rows containing non-finite values (stat_boxplot).

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

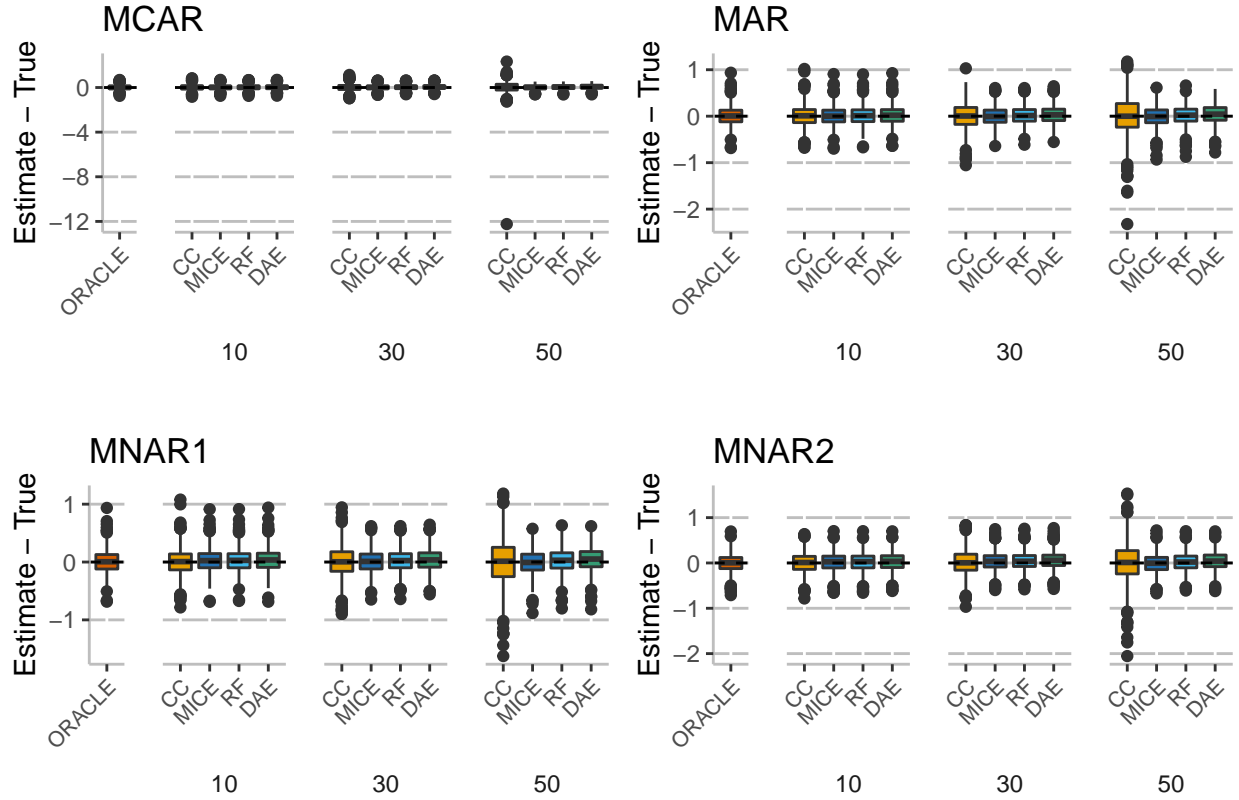## Warning: Removed 8 rows containing non-finite values (stat_boxplot).

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]
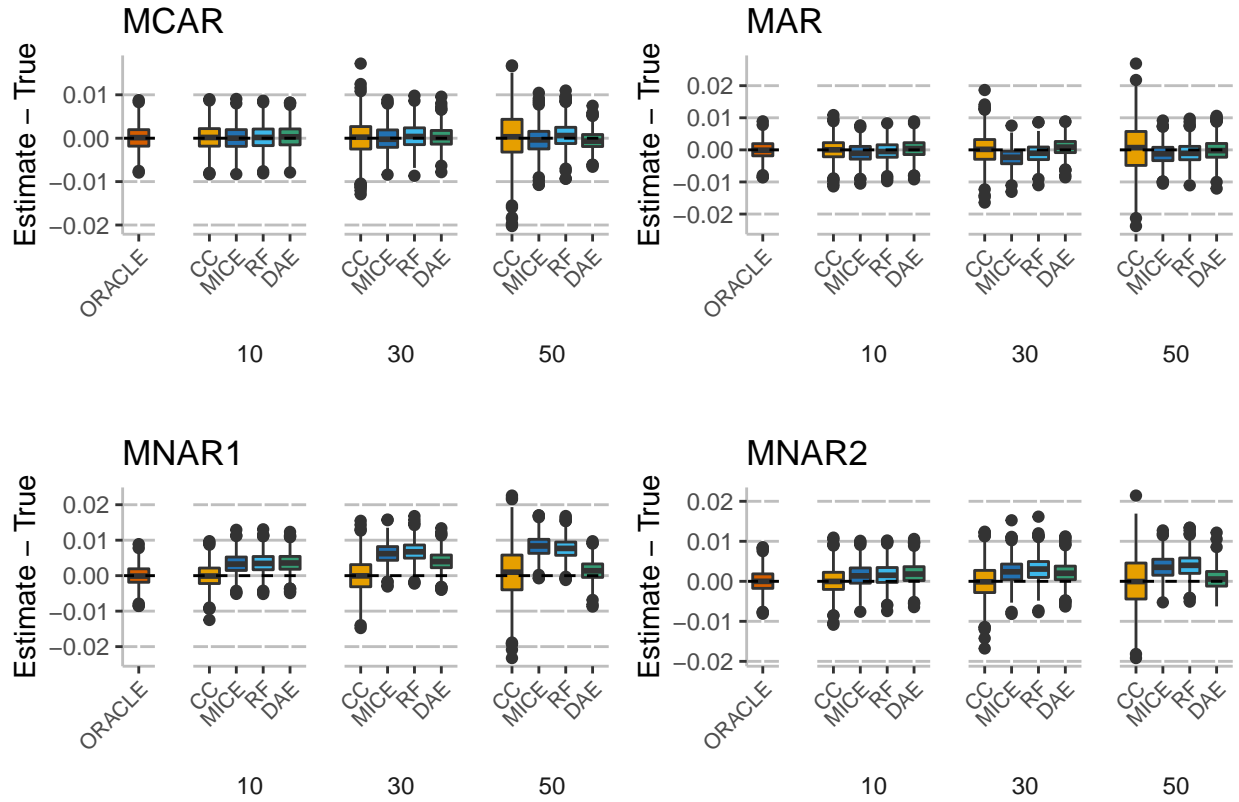
age

```
## 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]
```
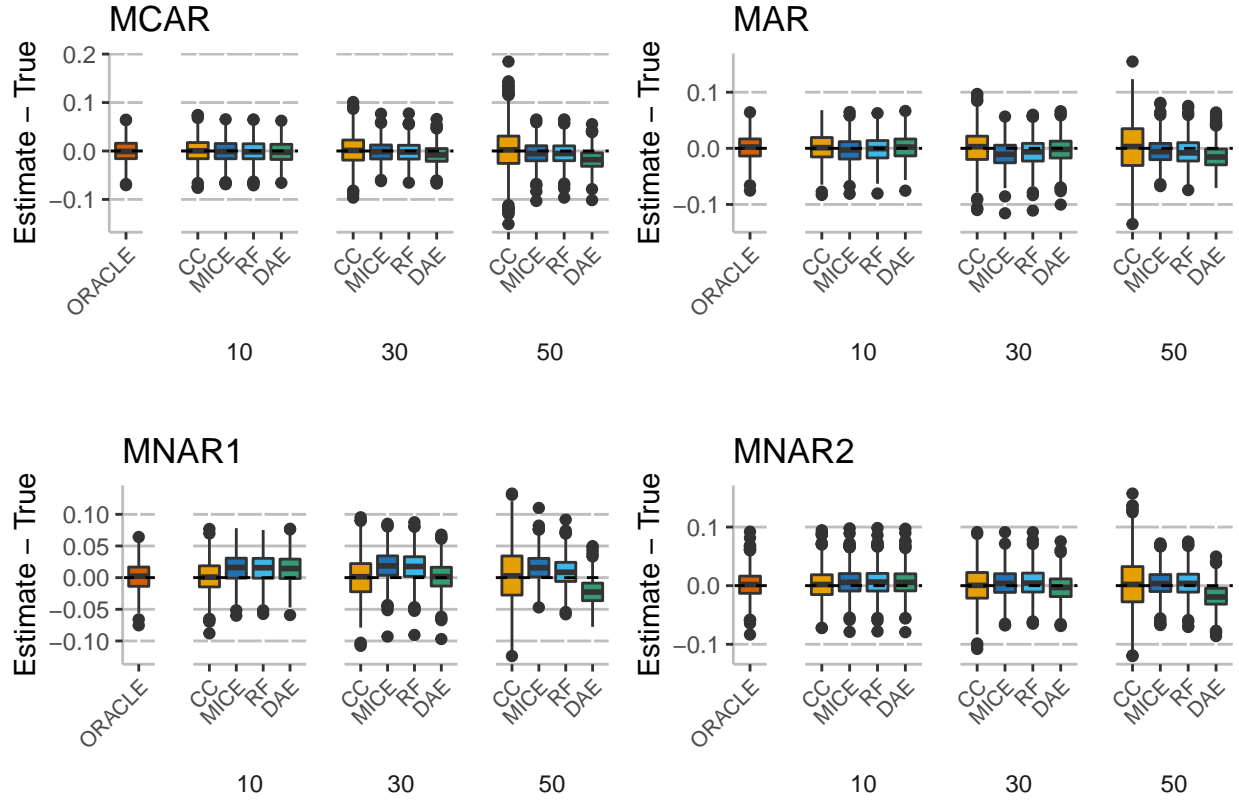
var2

```
## 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]
```
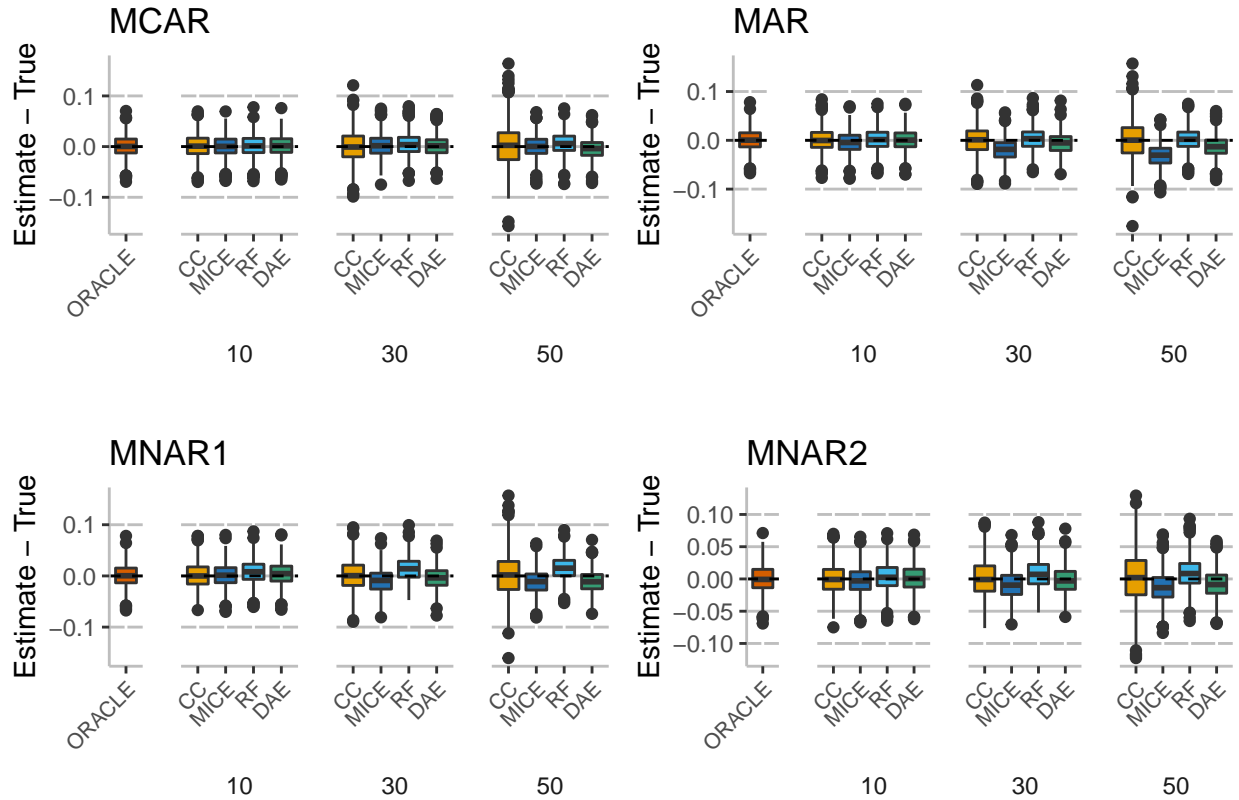
All Figures

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

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

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

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

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

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

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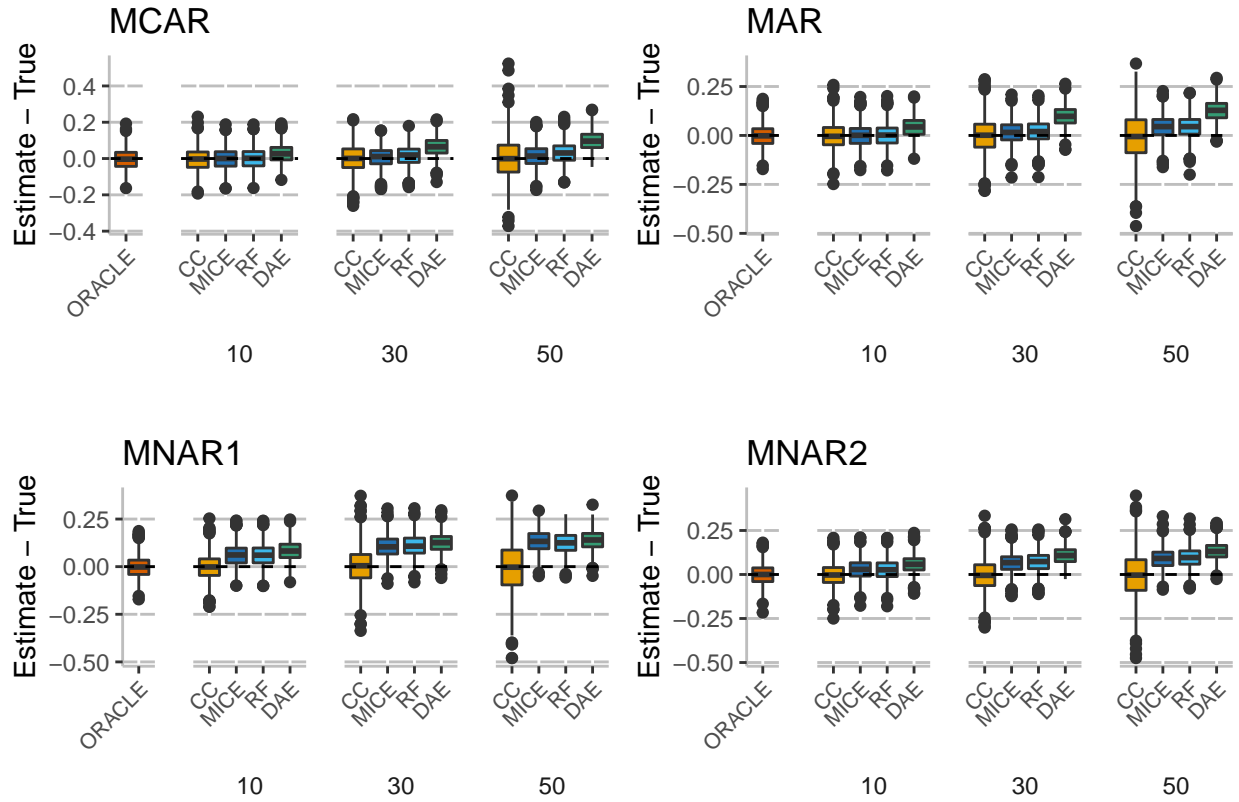
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

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

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

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

## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
## Warning: Removed 8 rows containing non-finite values (stat_boxplot).
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).

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

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

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]
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]
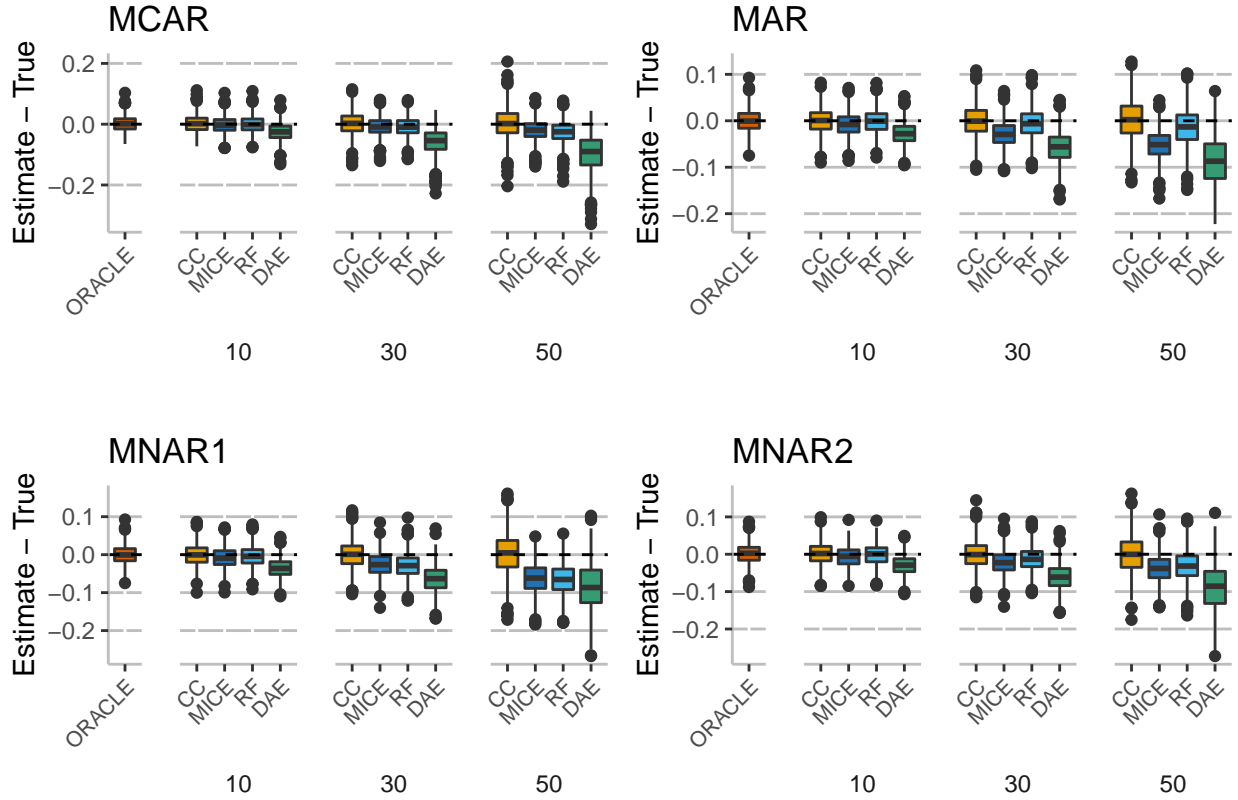
b.ecogvalue

```
## 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]
```

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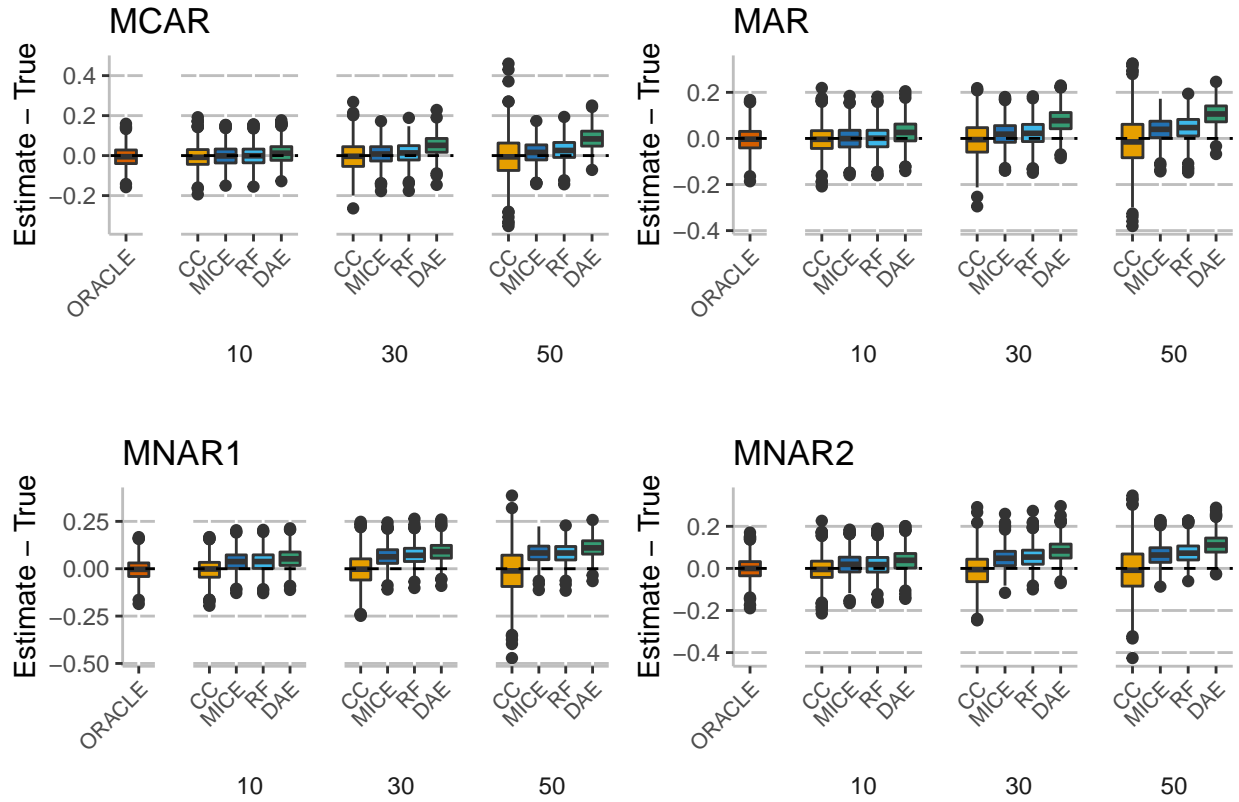
```
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]

## pdf
##   2
```

Full outcome model, fewer DAE layers
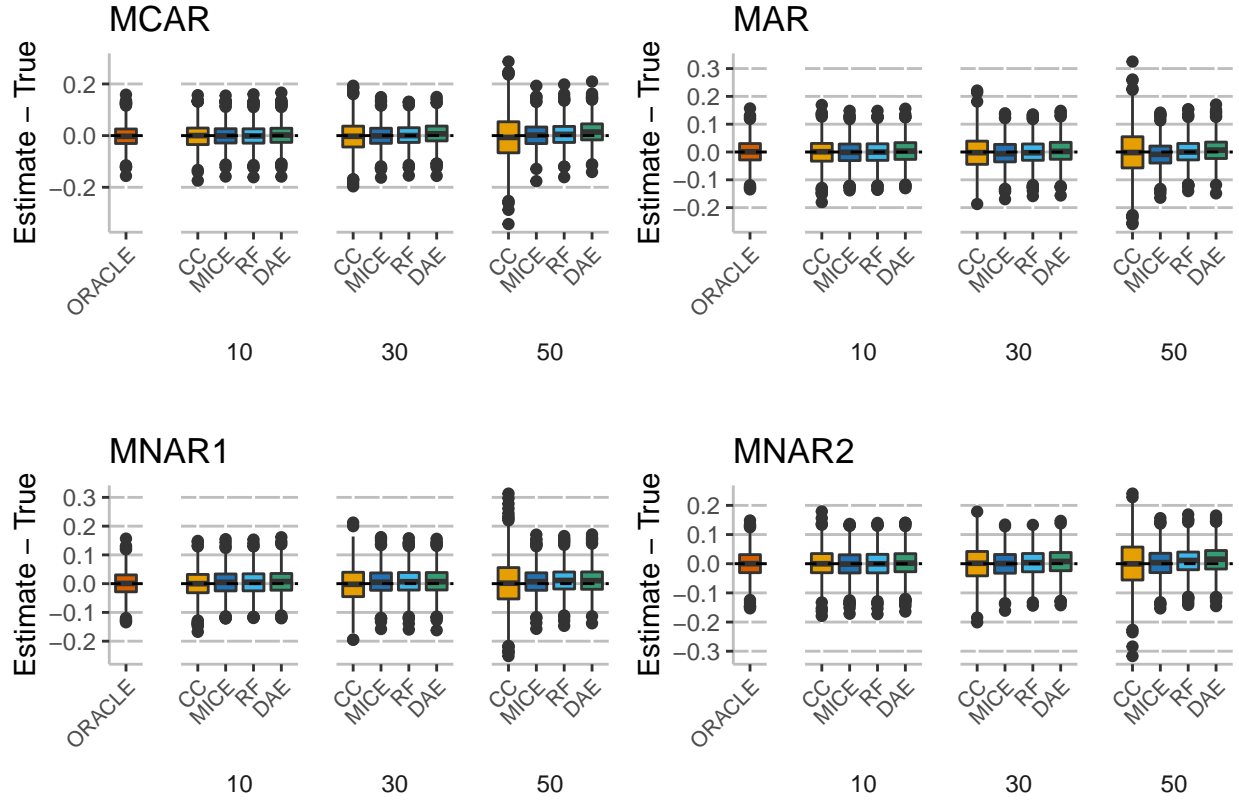
treat

```
## 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]
```
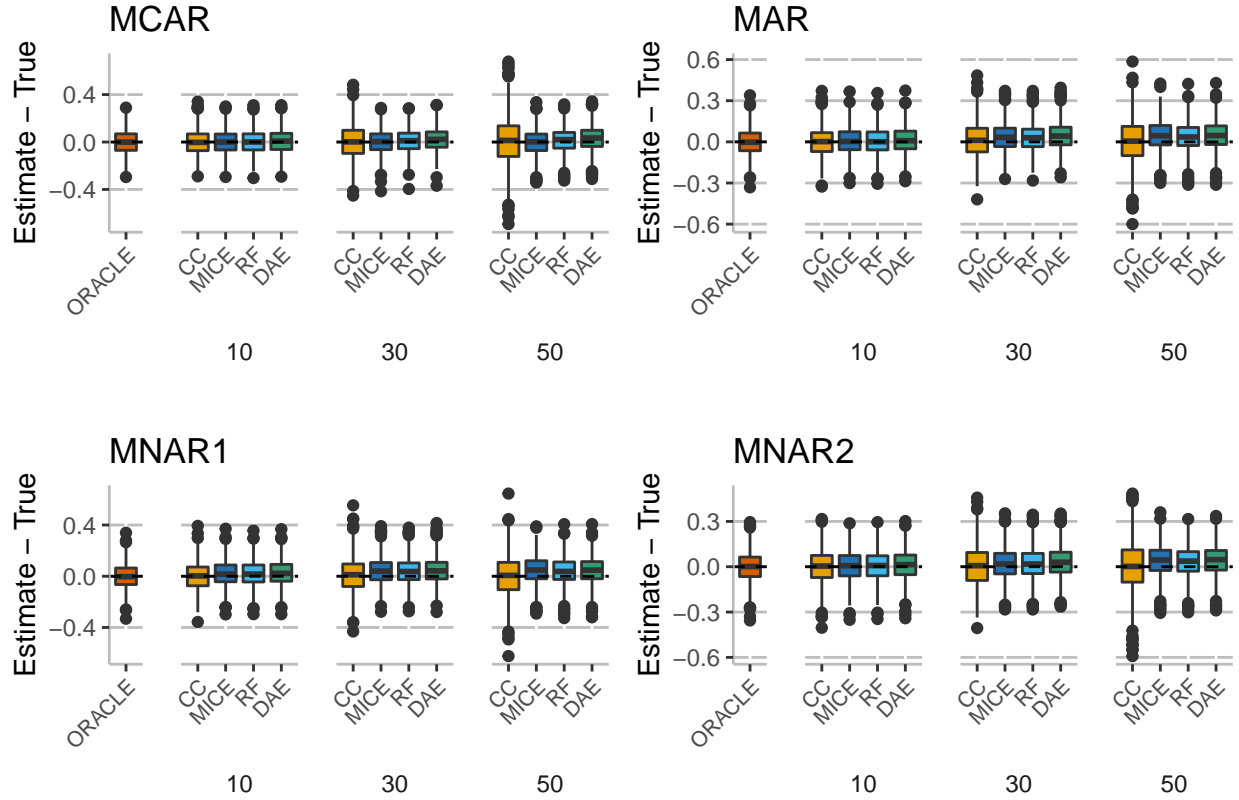
genderf

```
## 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]
## 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__black

```
## 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]
```
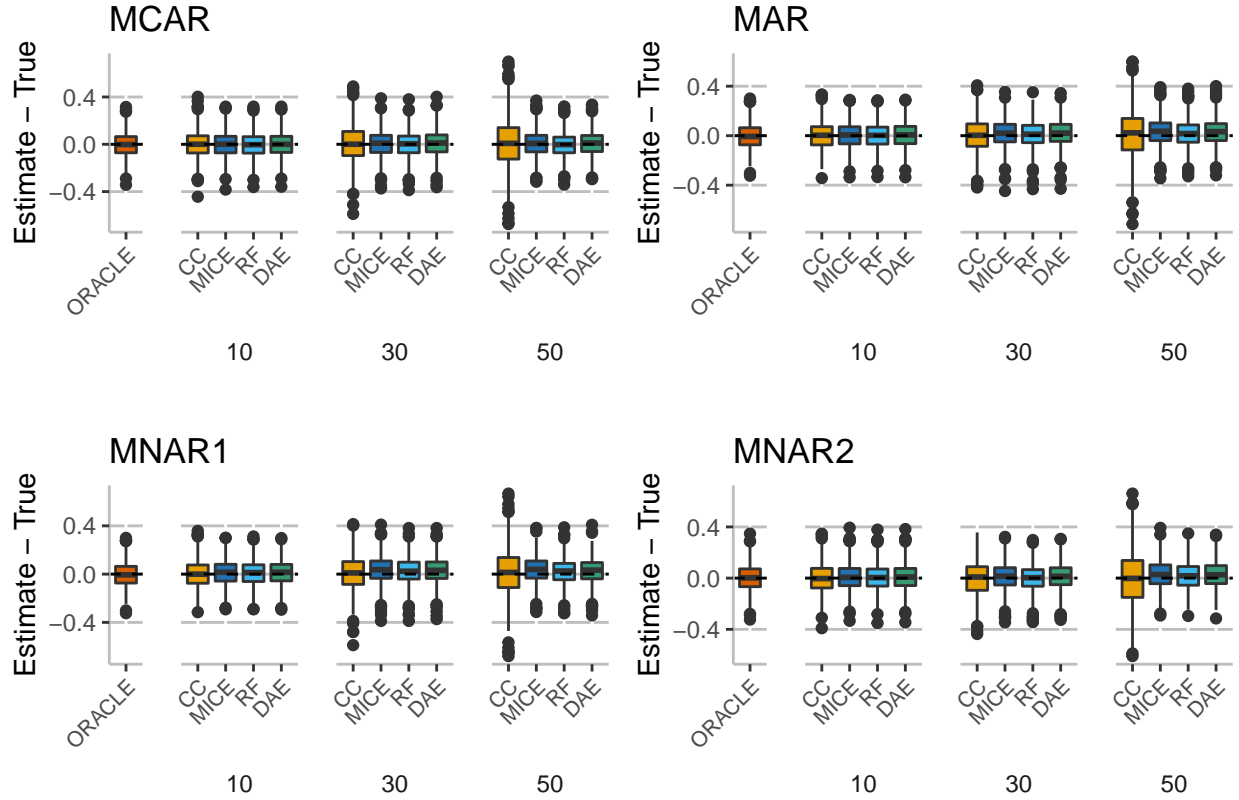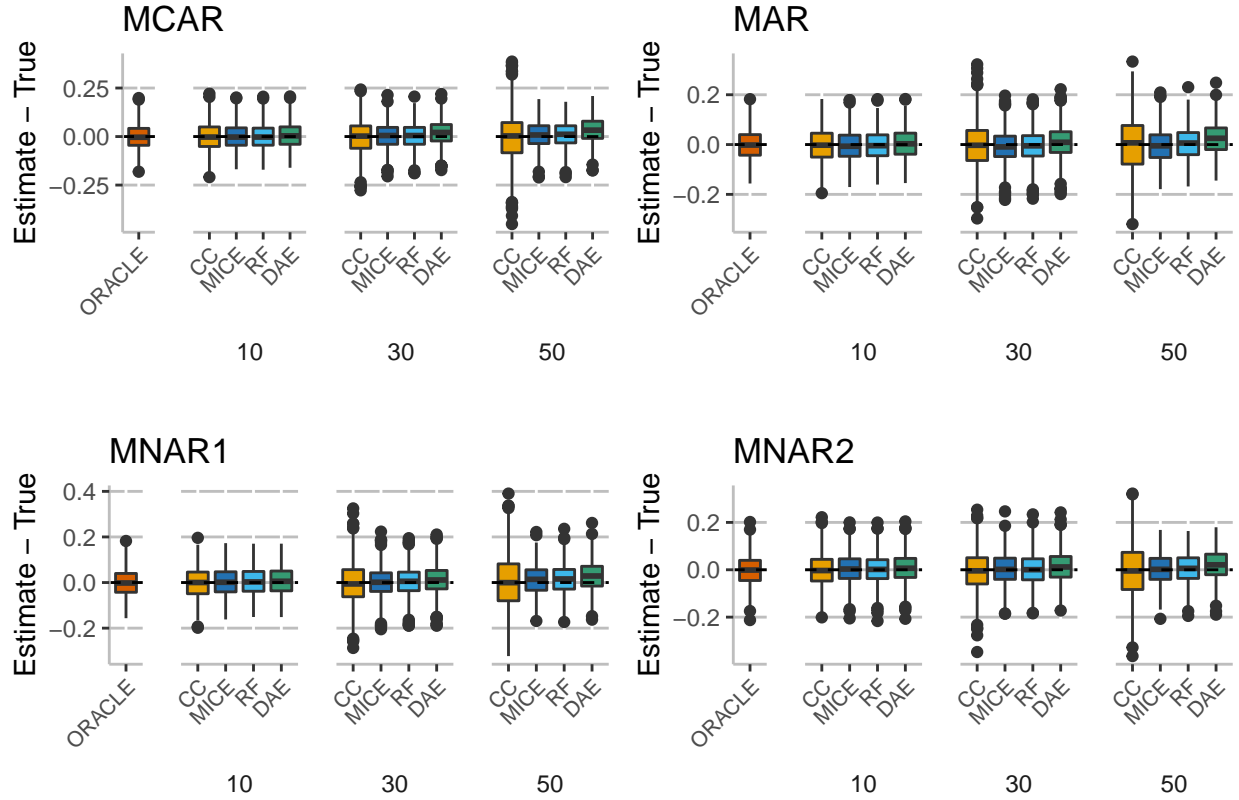
reth_hisp

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]
```
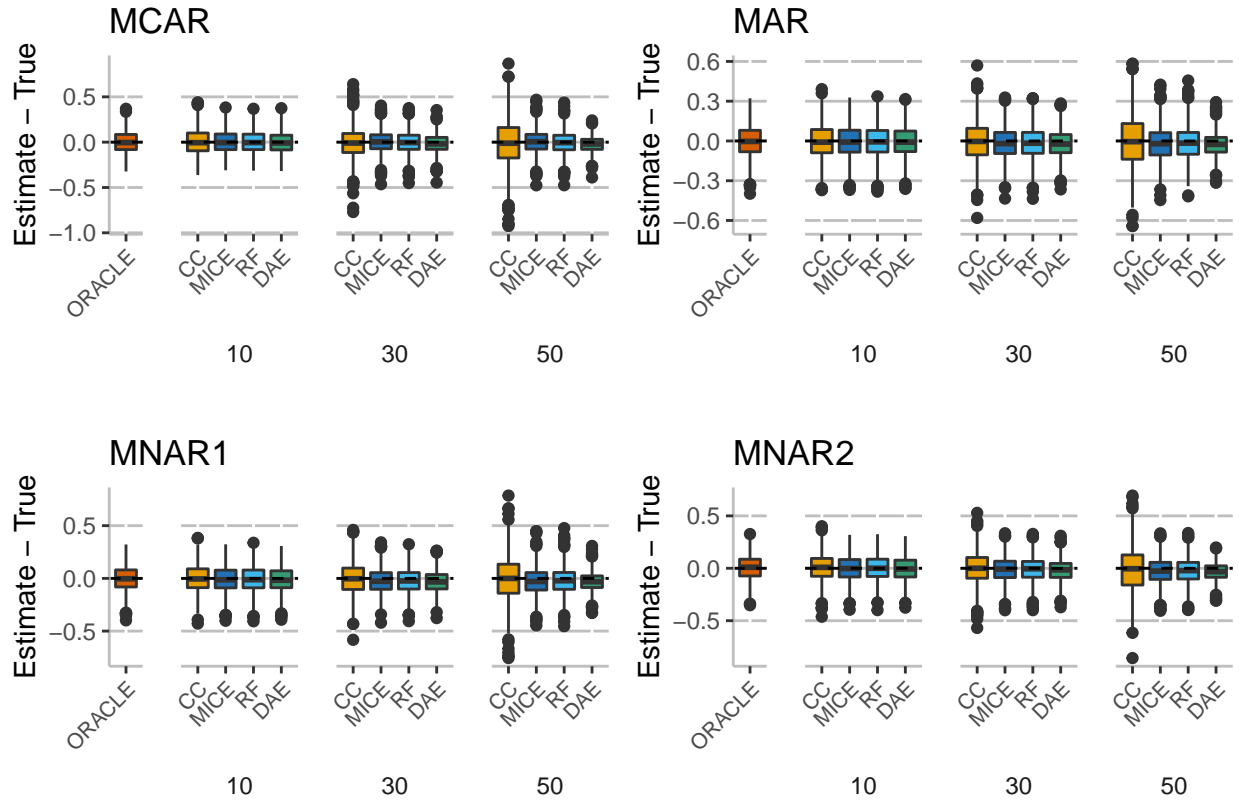
reth_oth

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


```
## 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]
```
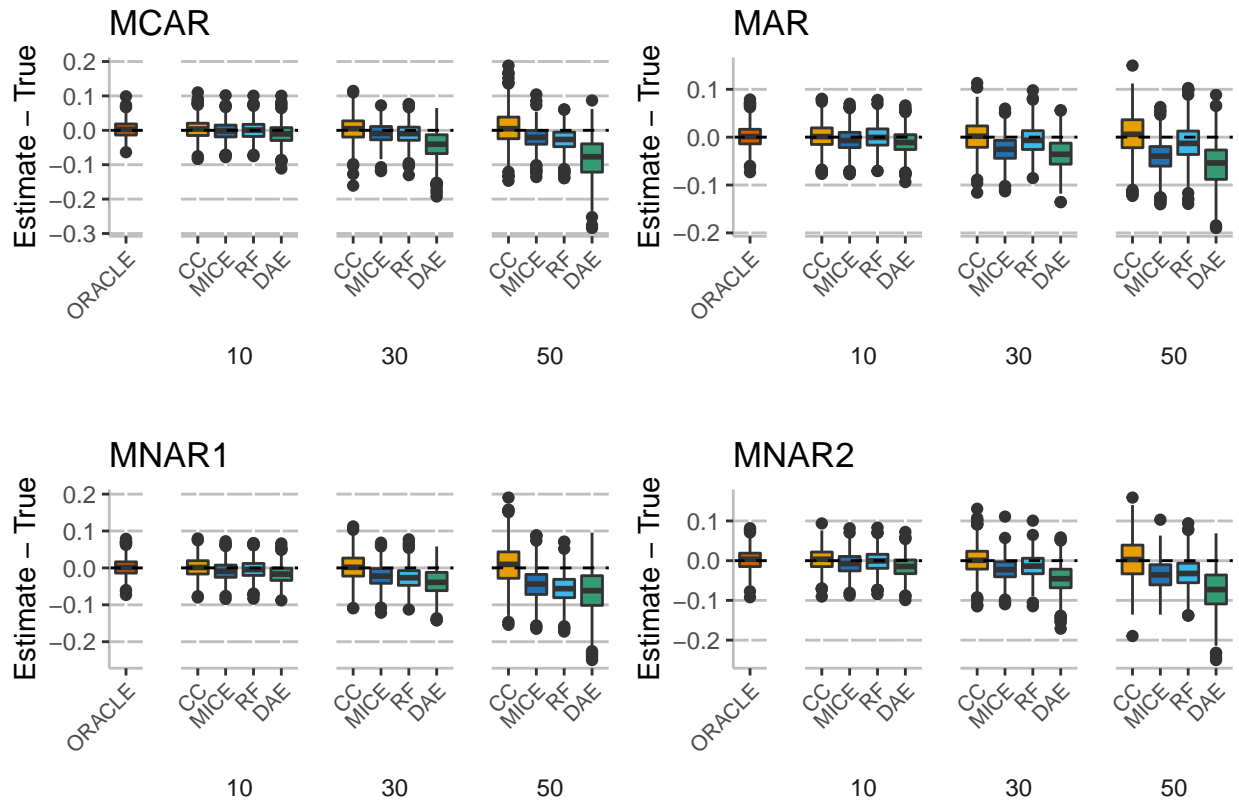
practypec

```
## 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]
```
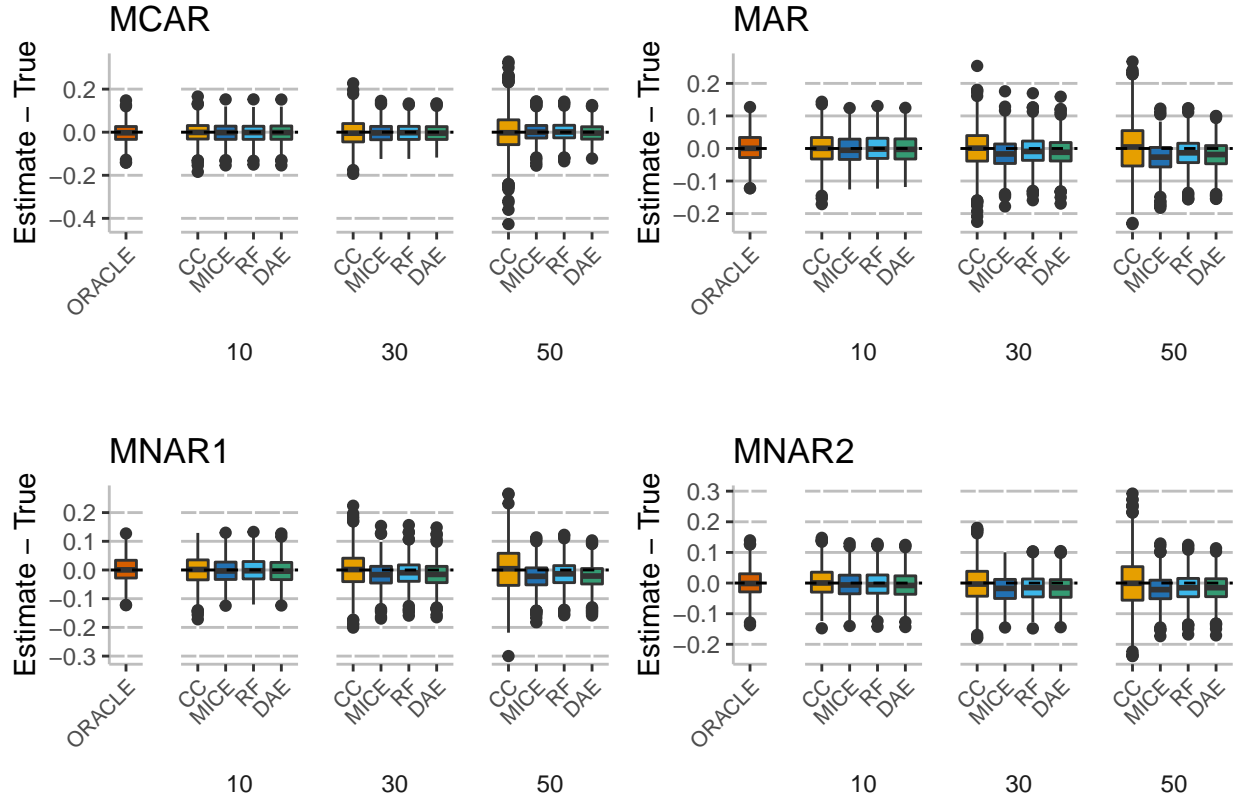
b.ecogvalue

```
## 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]
```
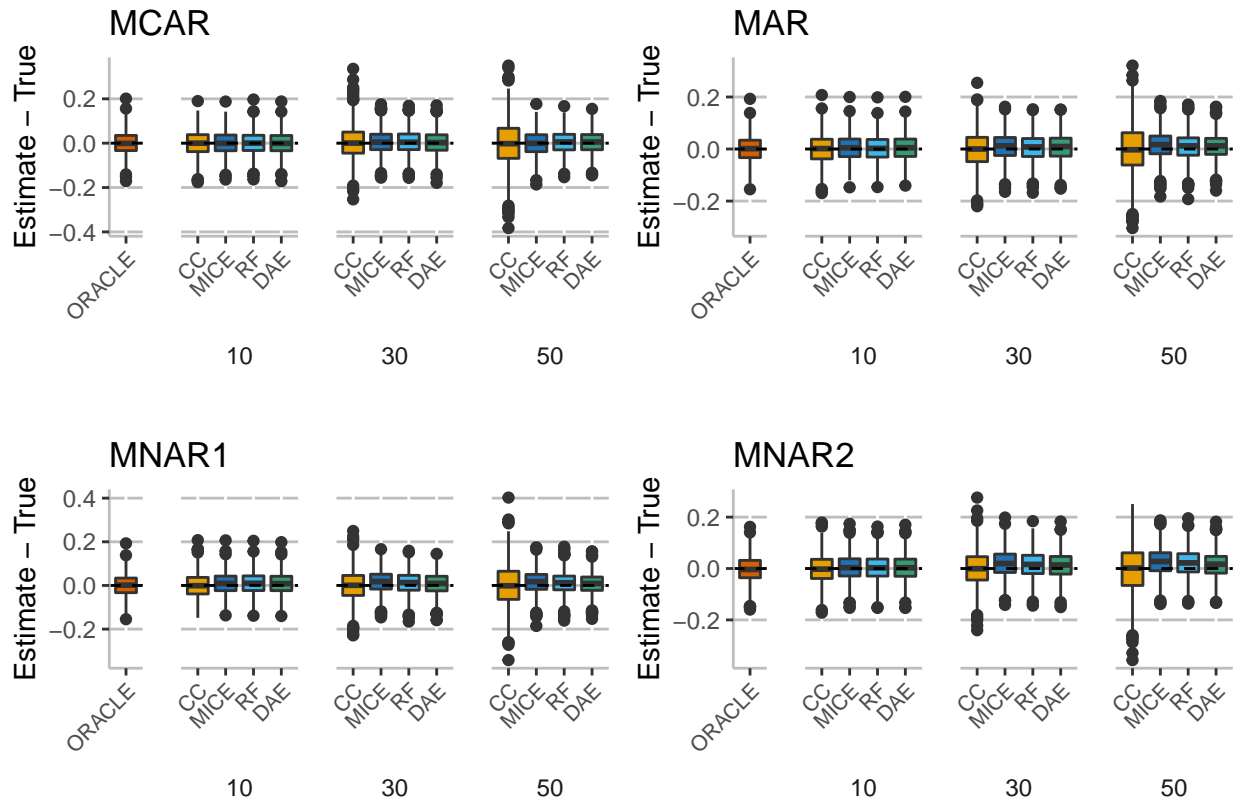
smokey

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]
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]

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]
```

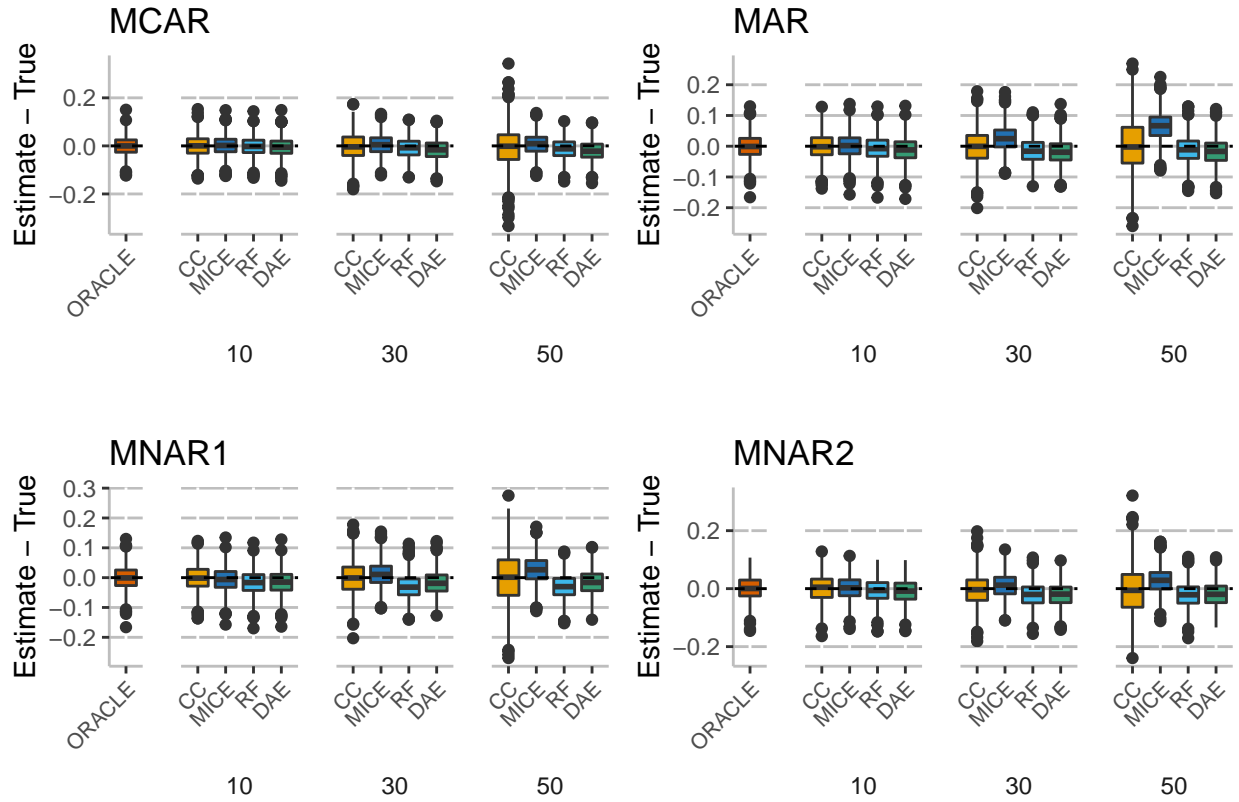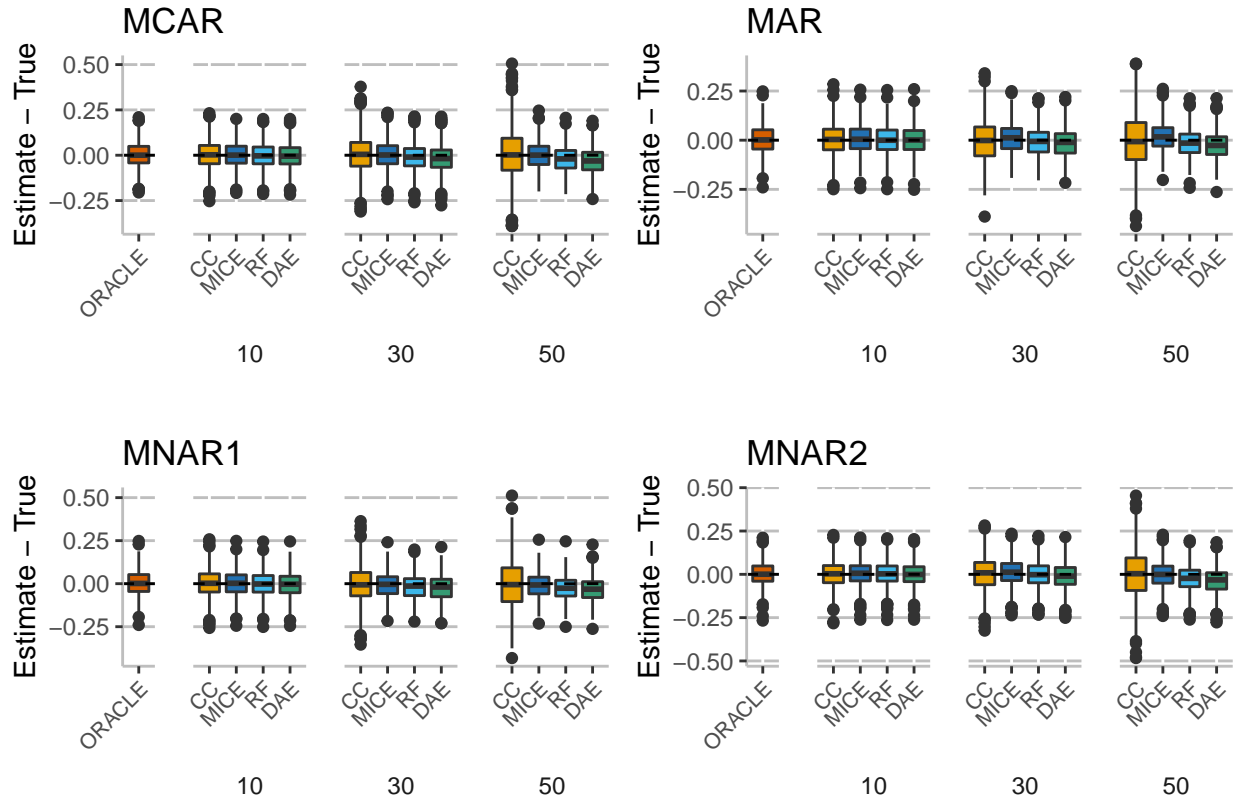**surgery**

```
## 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]
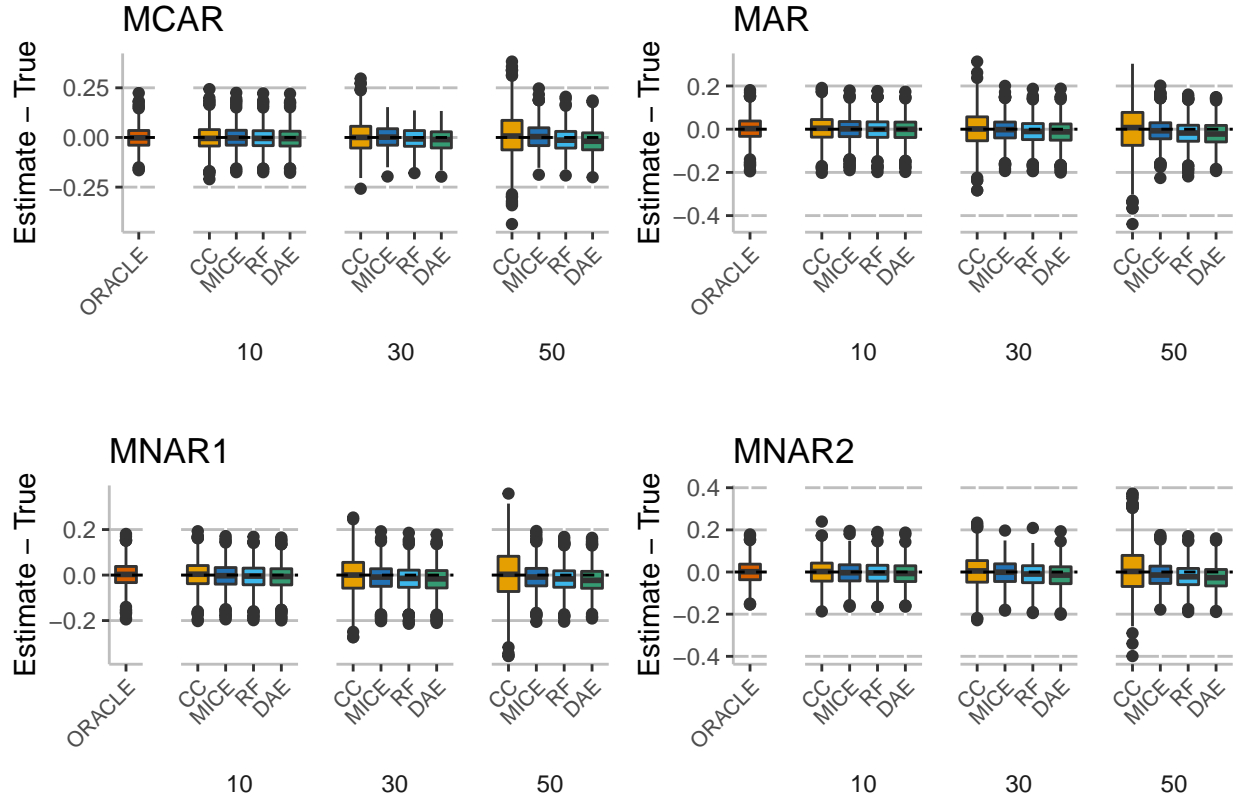
site_renal

```
## 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]
```
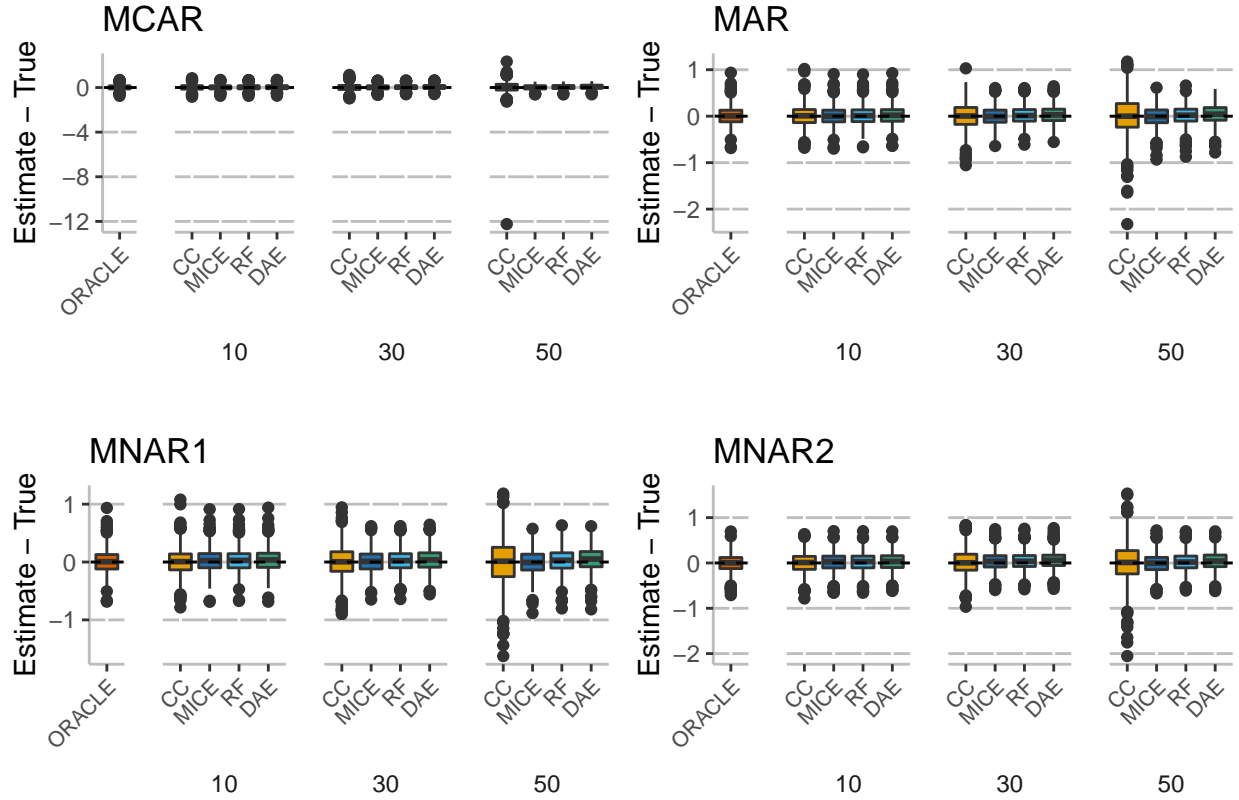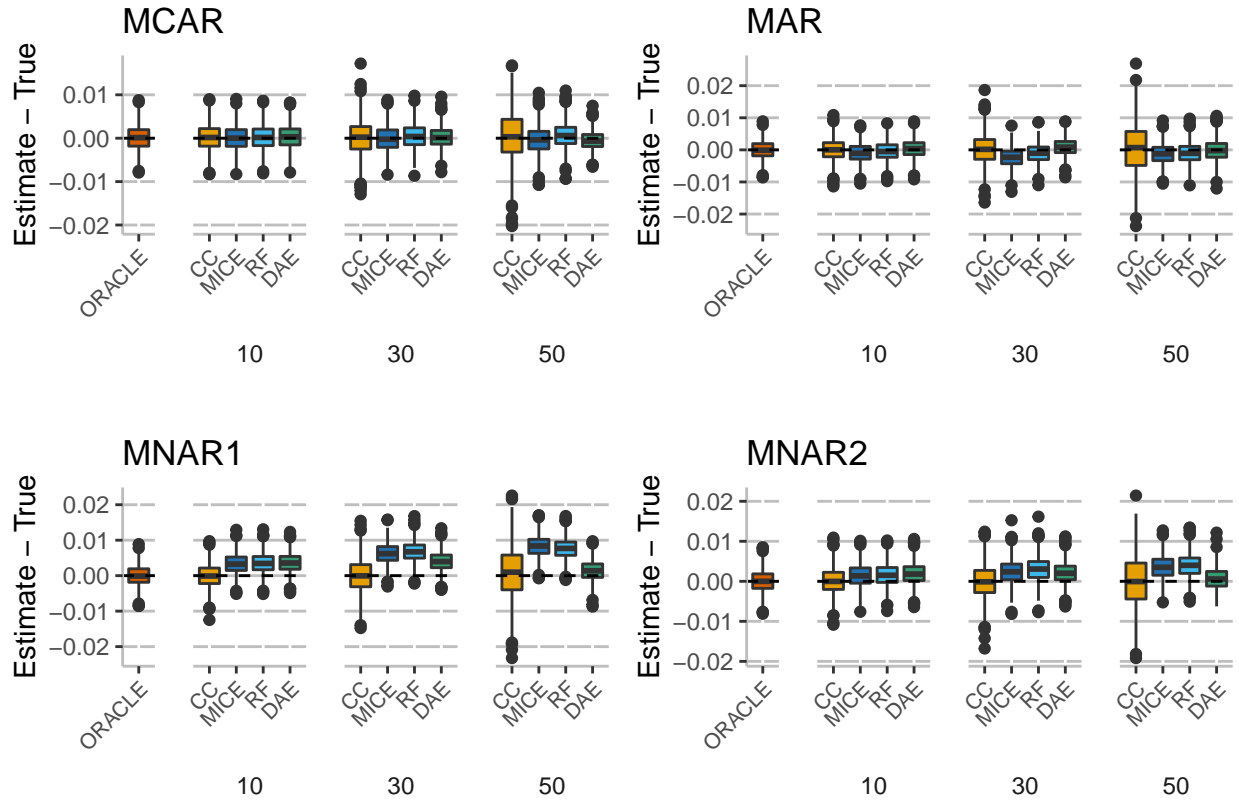
site_urethra

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]
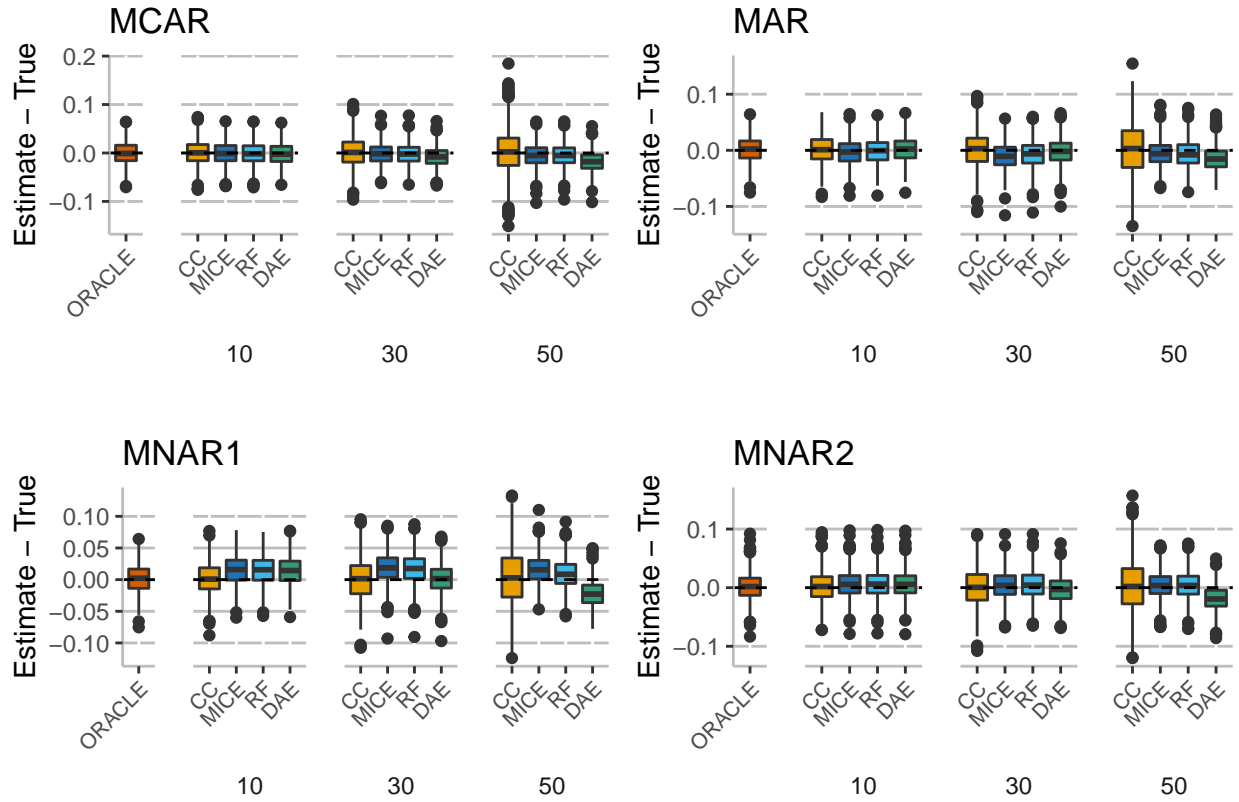
var1

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]
```
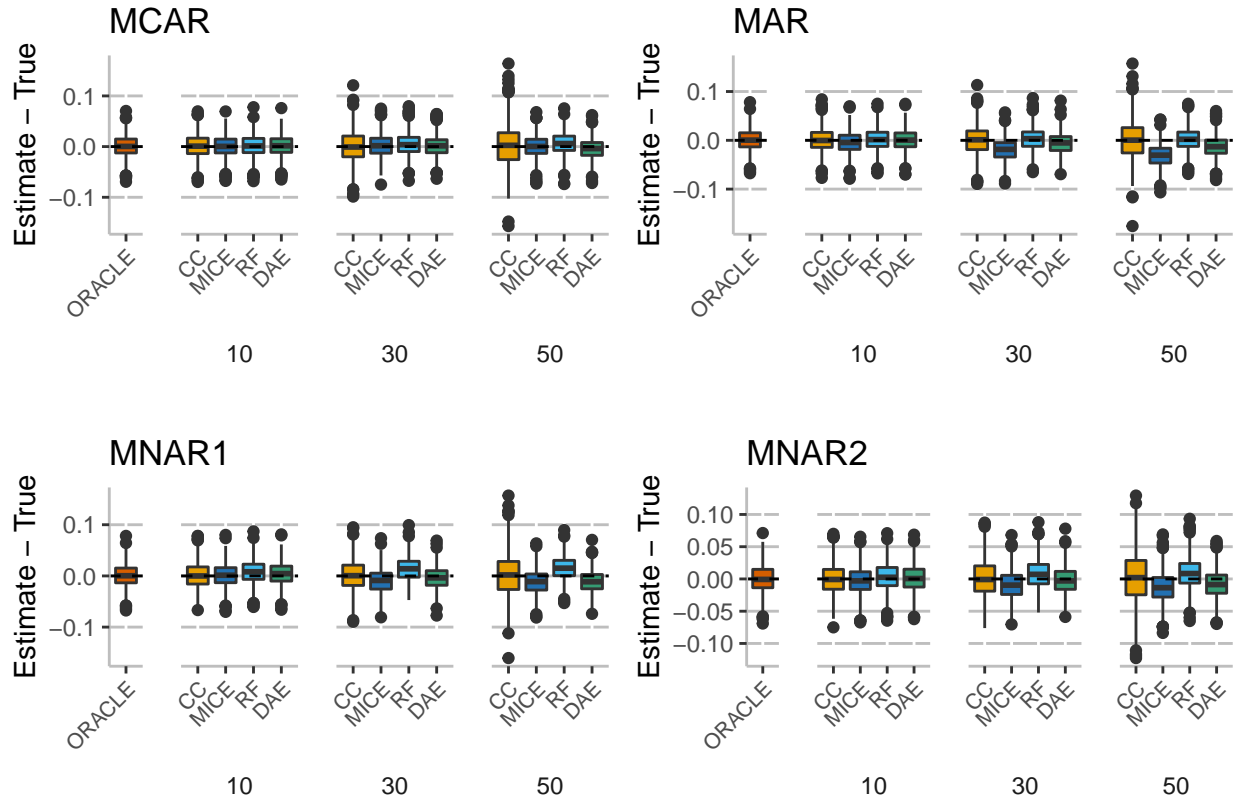
var2

```
## 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).
```

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## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
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## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
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## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
## Warning: Removed 8 rows containing non-finite values (stat_boxplot).
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).

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

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