

MI Paper Plots

Kylie Getz and Kristin Linn

6/28/2022

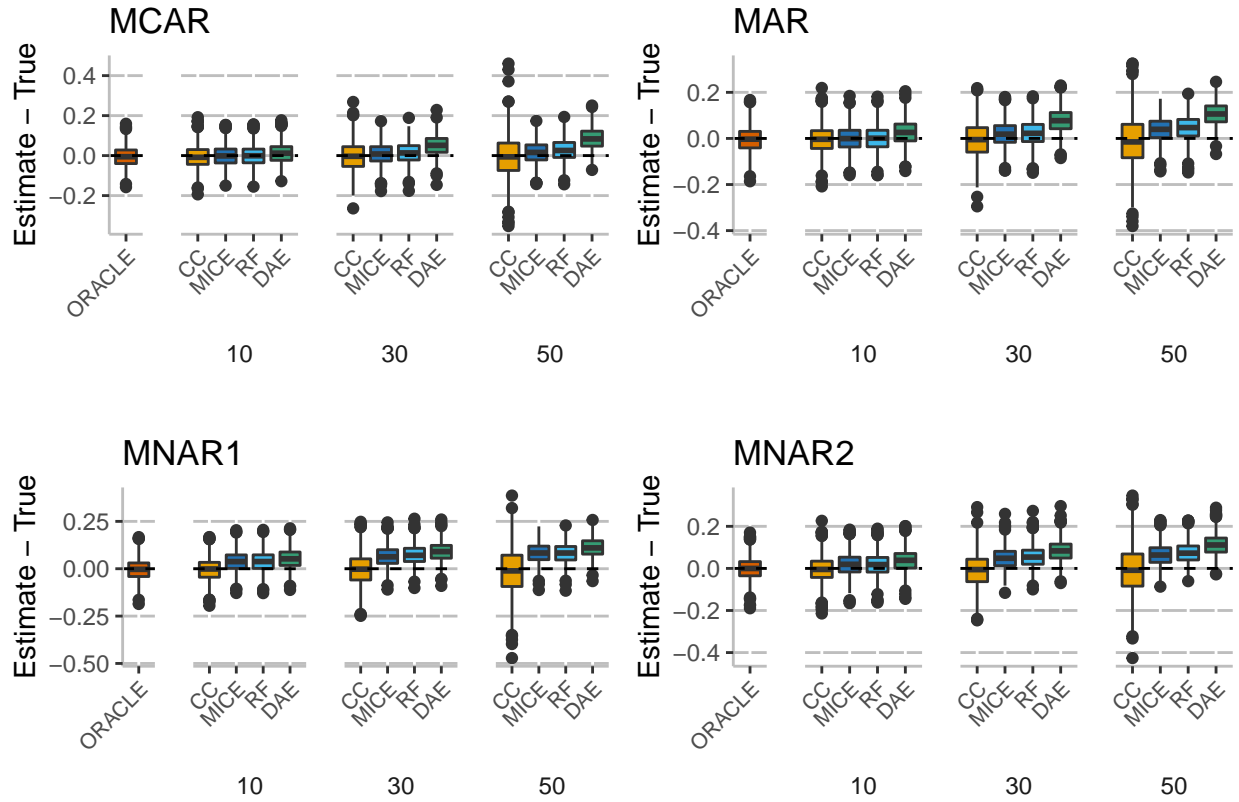
Results using 500 simulations, 10 MI trueTreatment approx -0.69, trueEcog approx 0.4

```
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

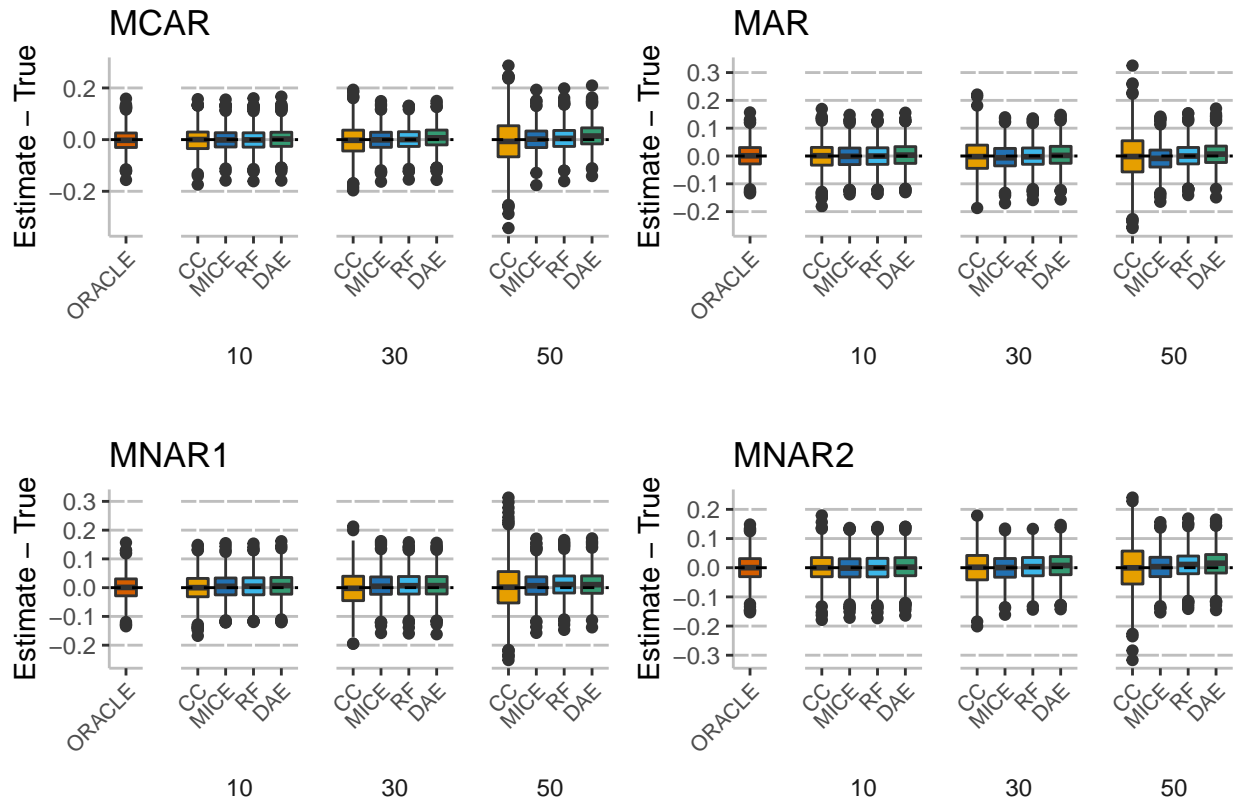
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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

genderf

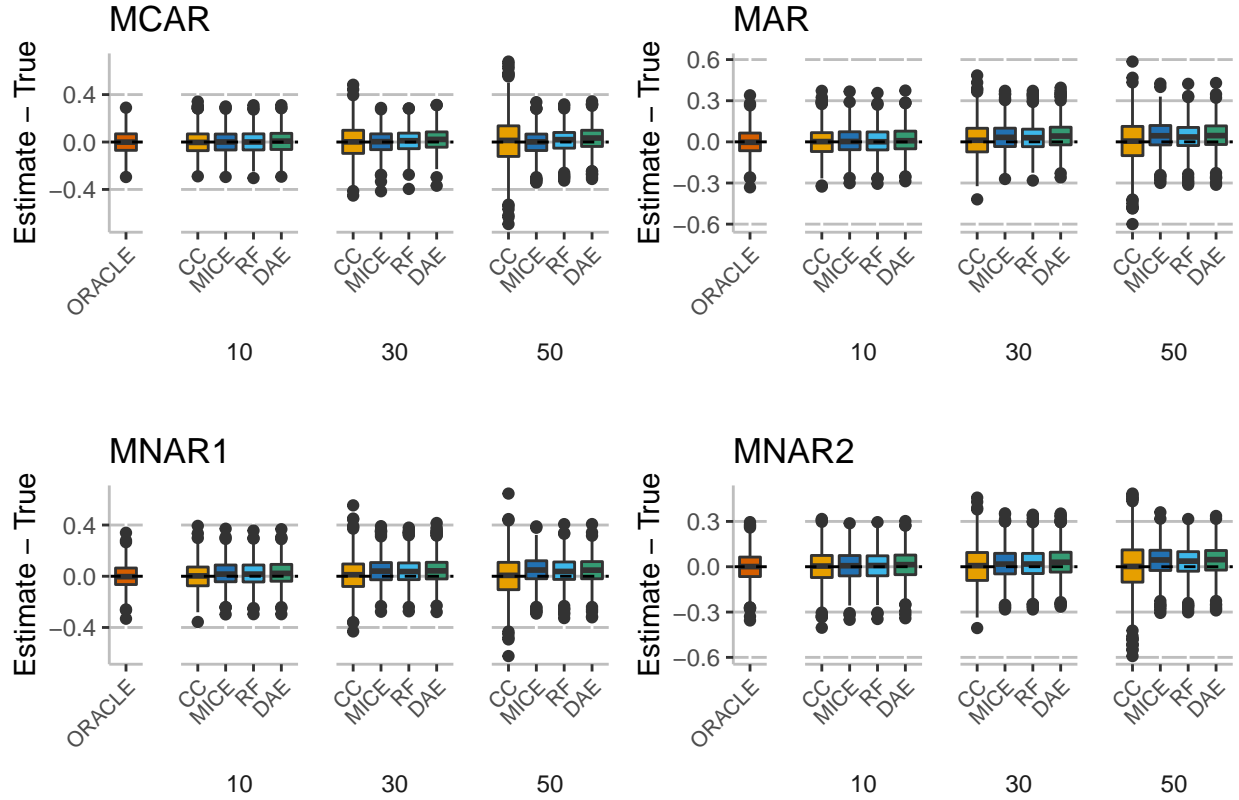
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```

reth_black

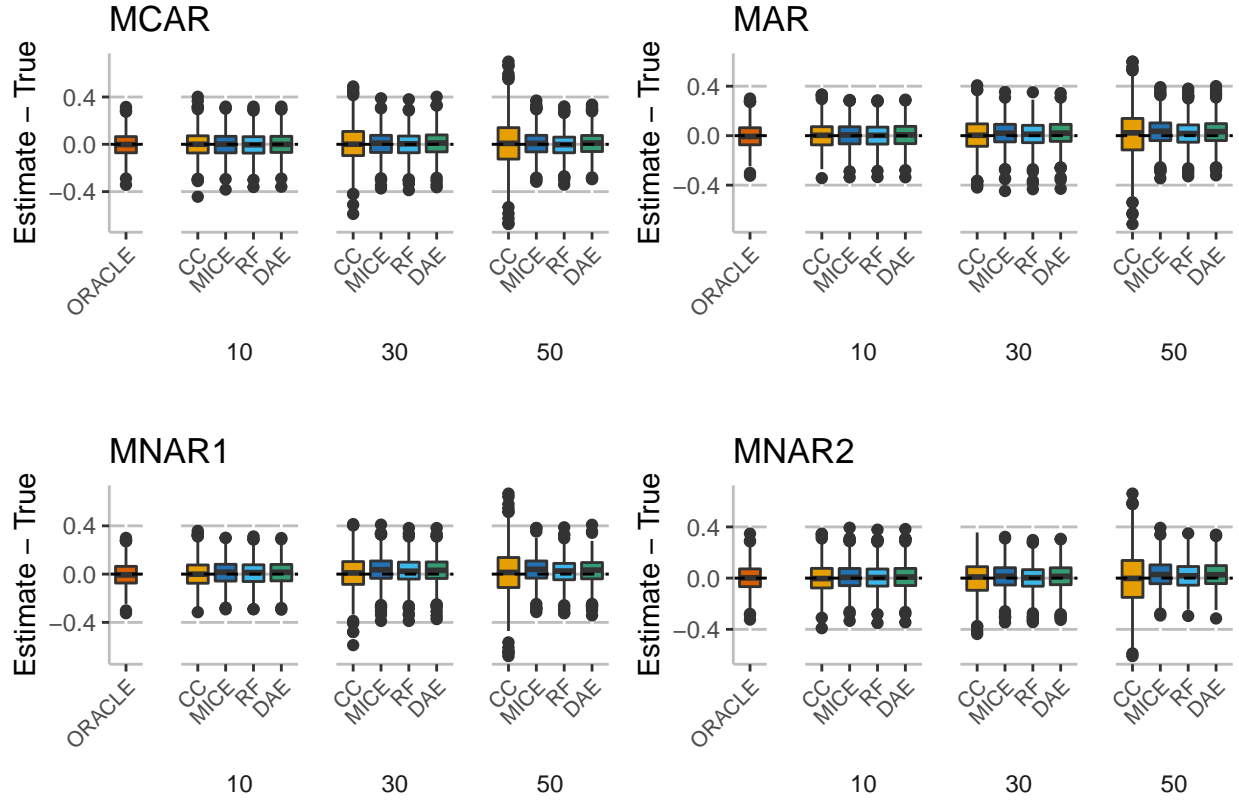
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```

reth_hisp

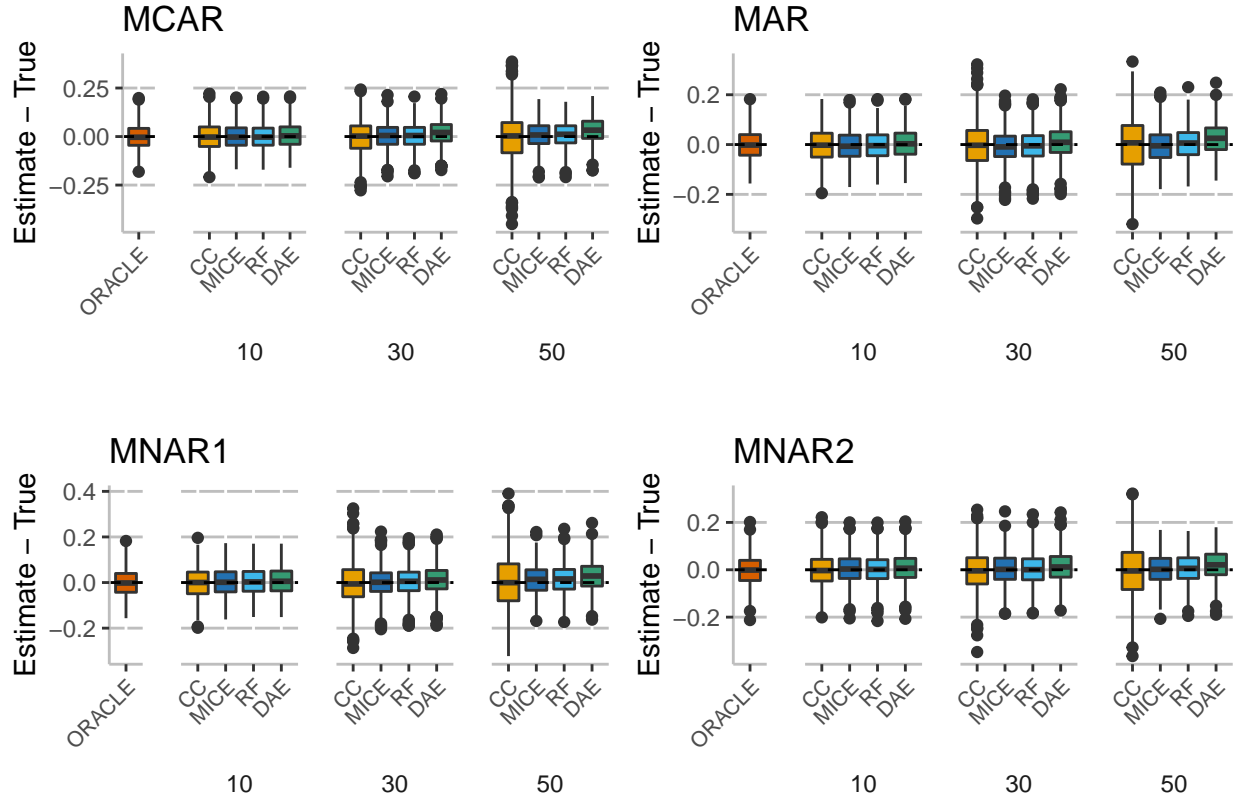
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## 4 4 (2-2,2-2) arrange gtable[layout]
```

reth_oth

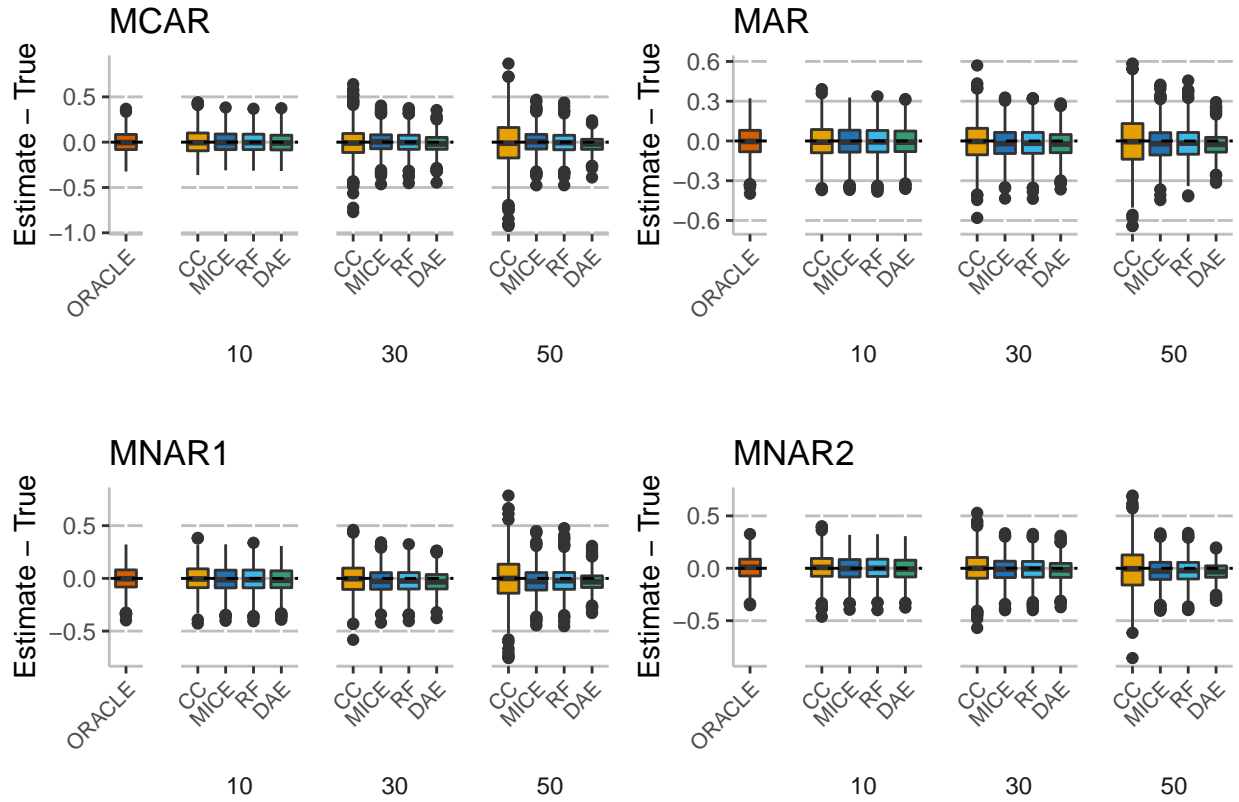
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```

practypec

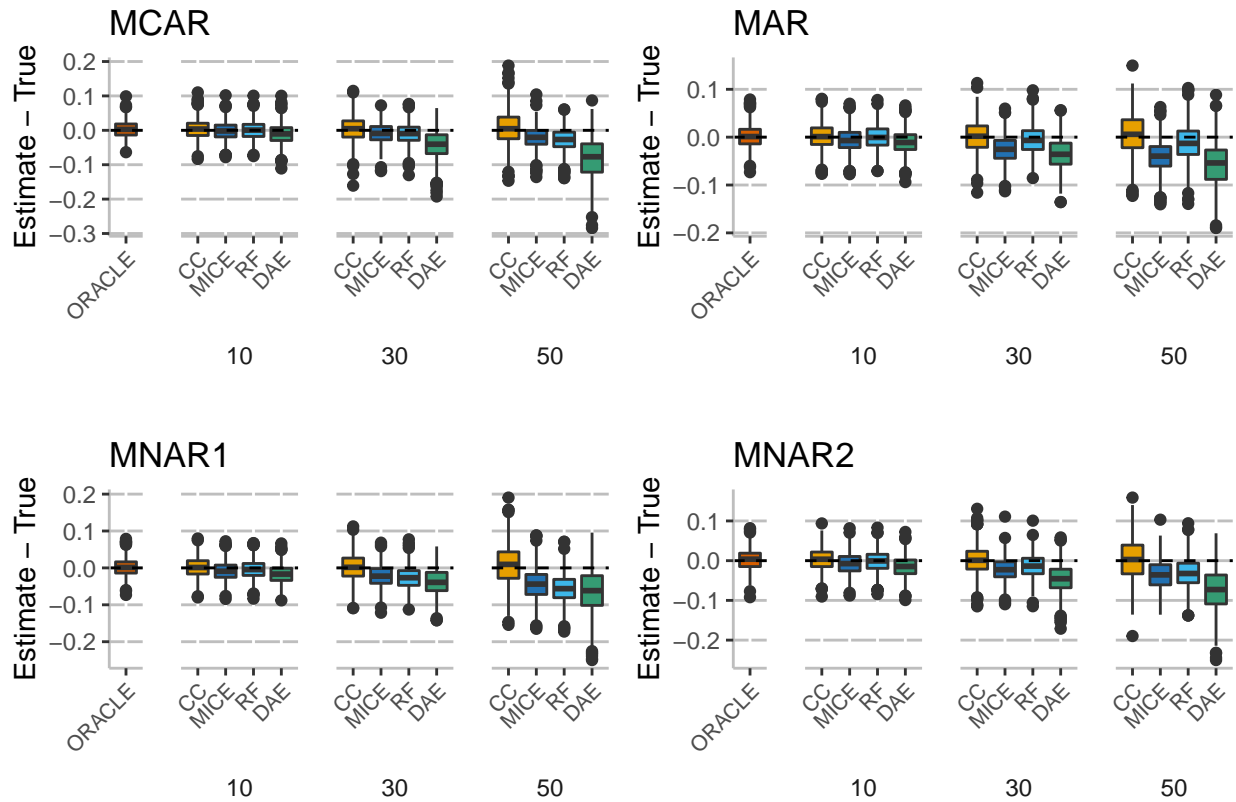
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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```

b.ecogvalue

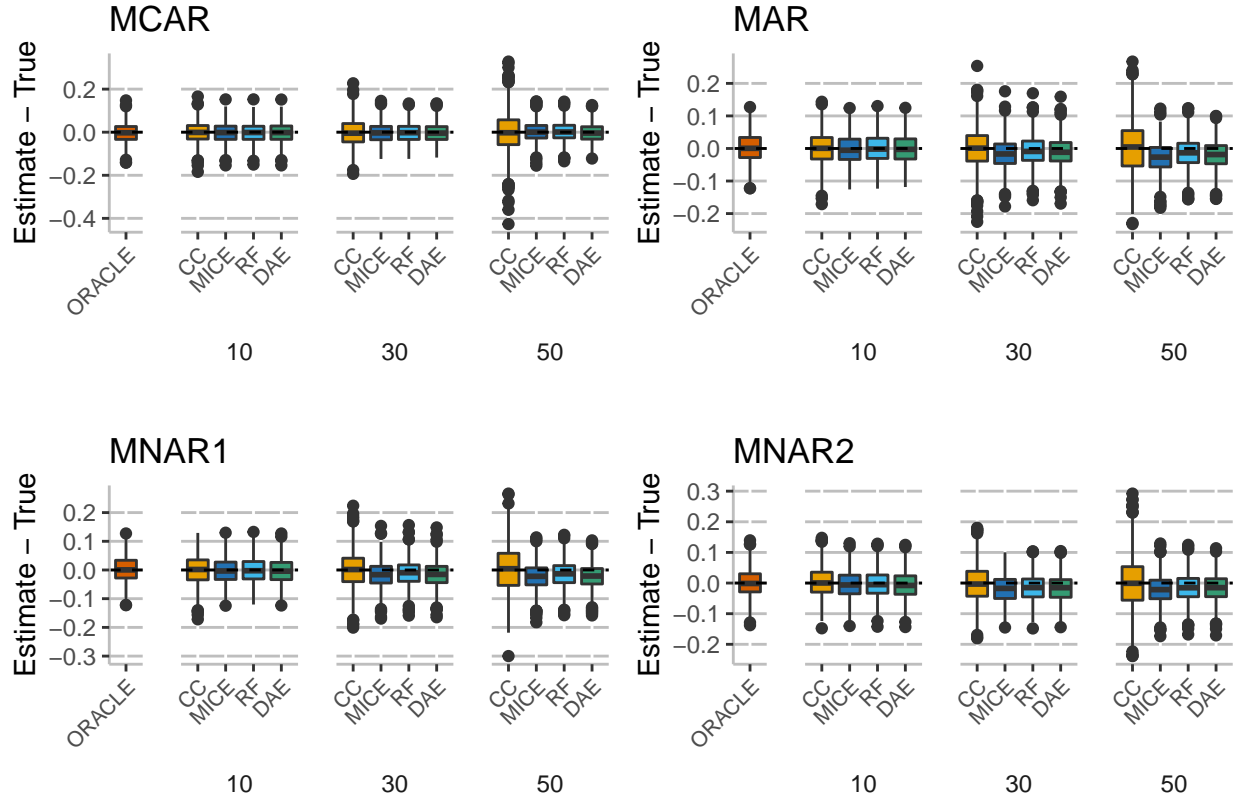
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## 4 4 (2-2,2-2) arrange gtable[layout]
```


smokey

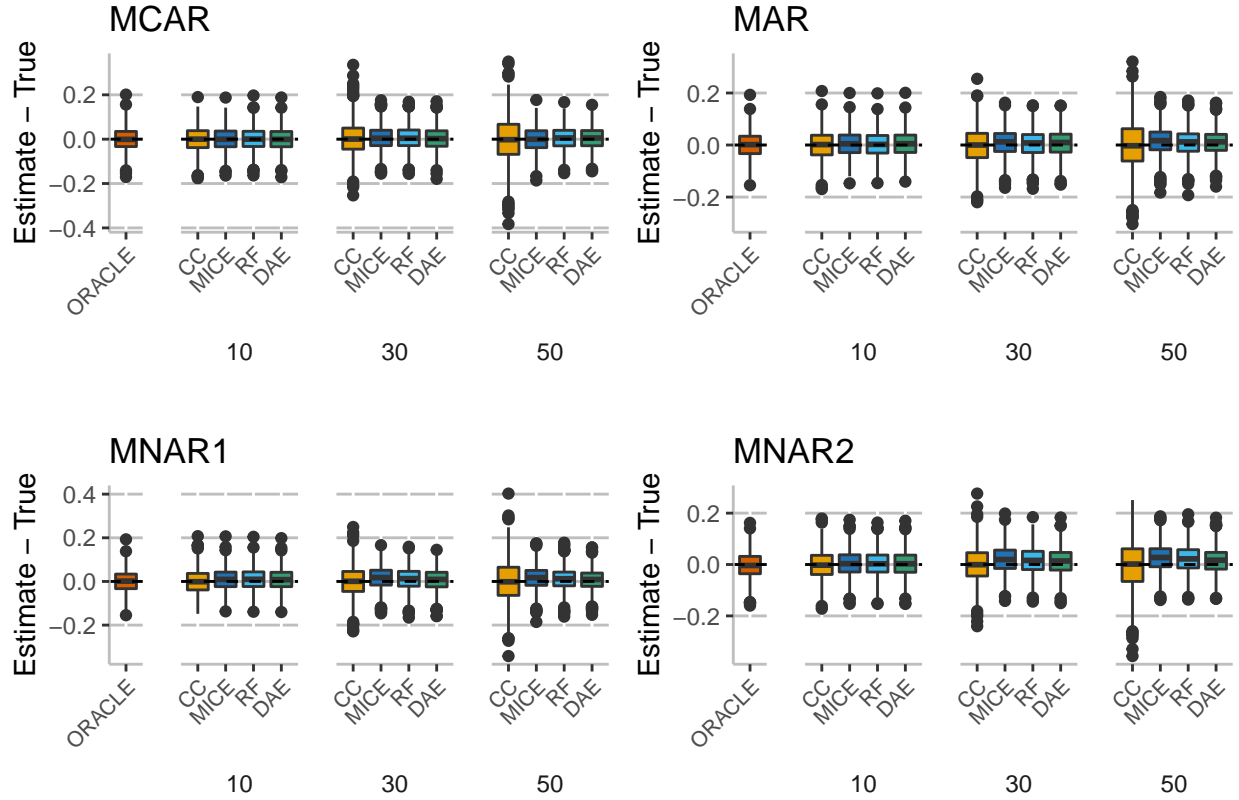
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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

dgradeh

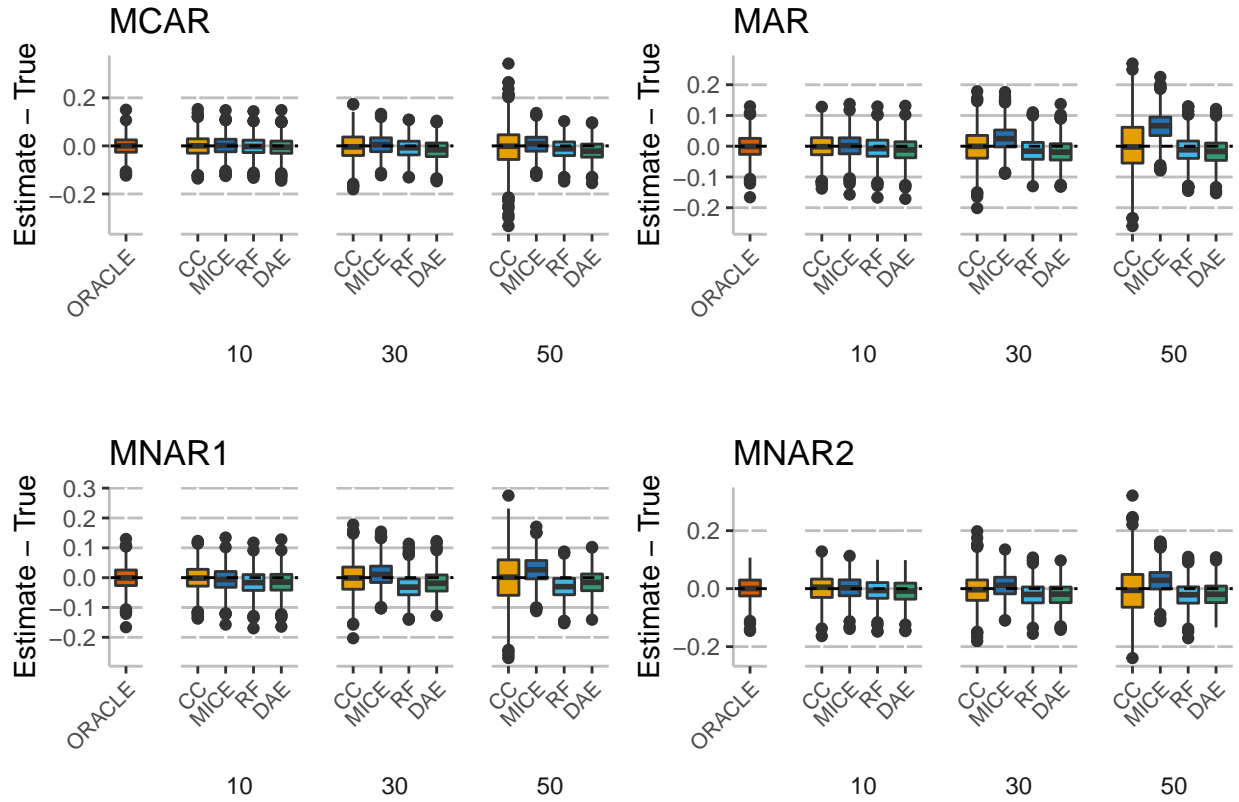
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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

surgery

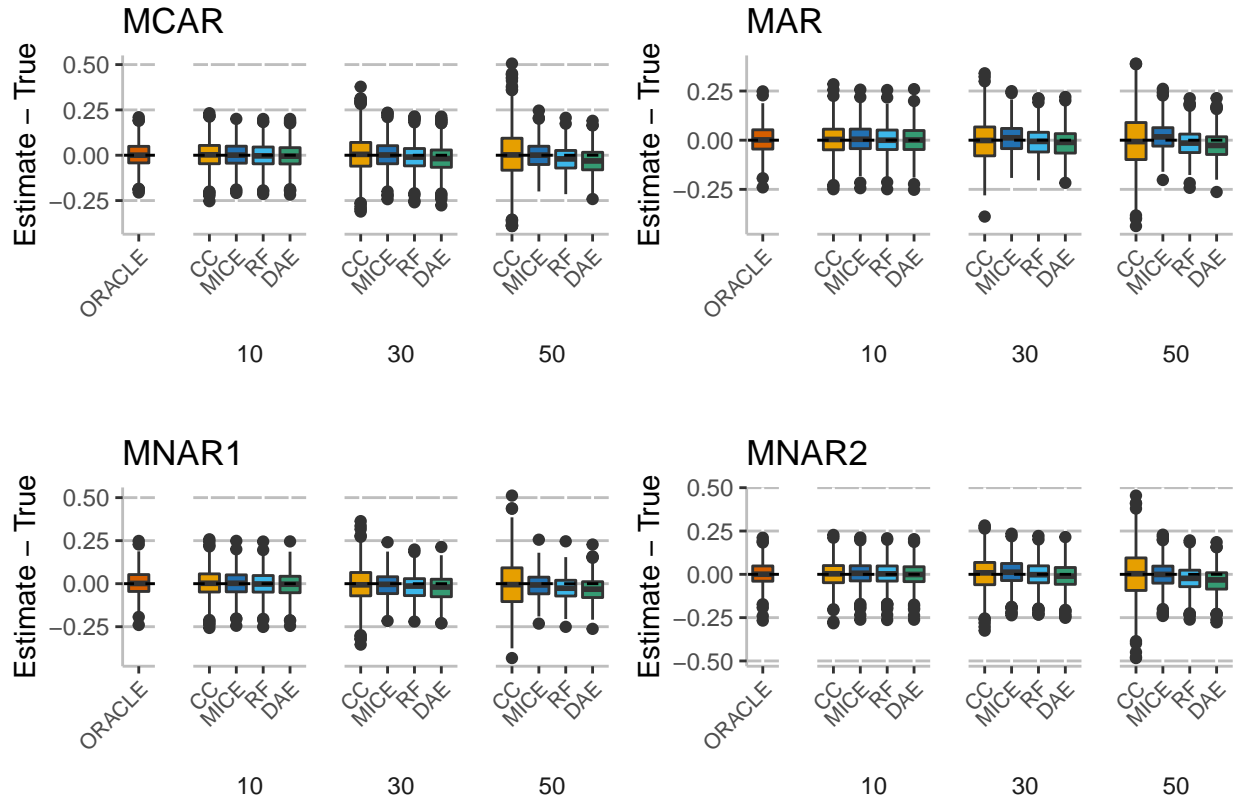
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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

site_ureter

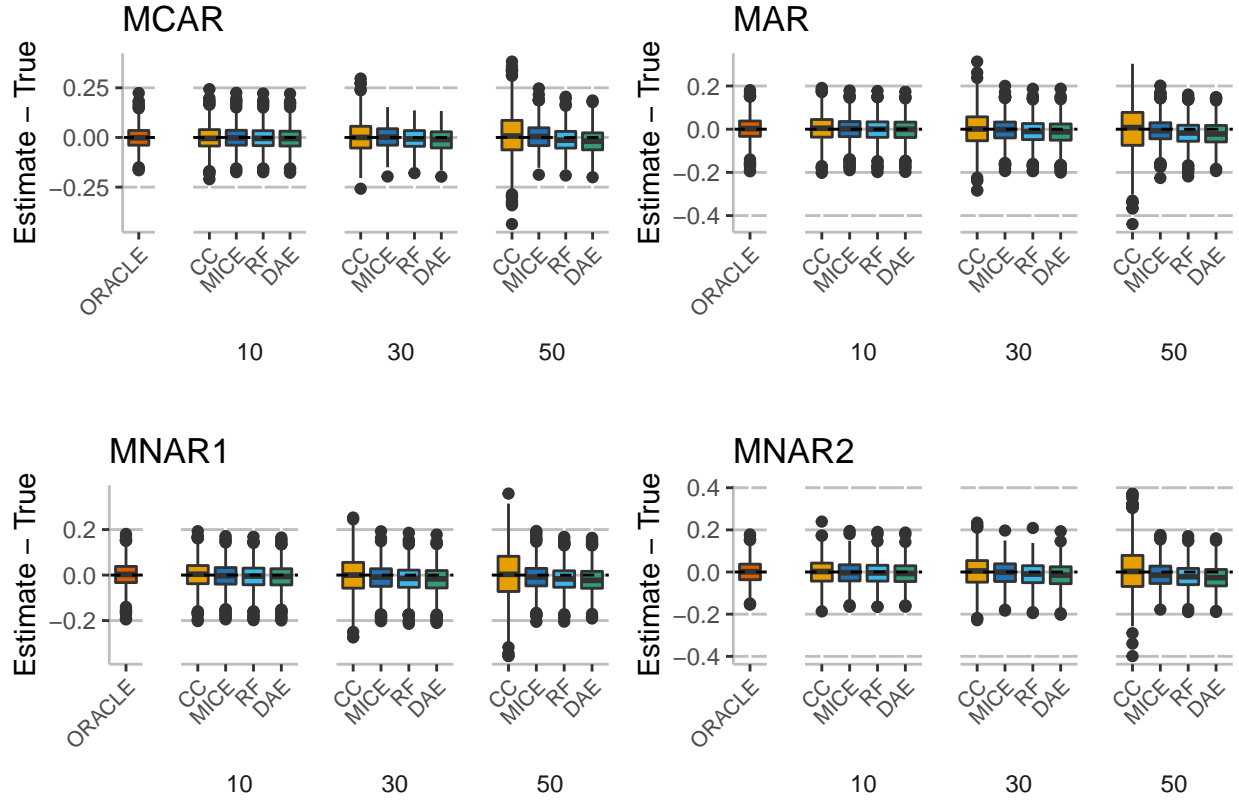
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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

site_renal

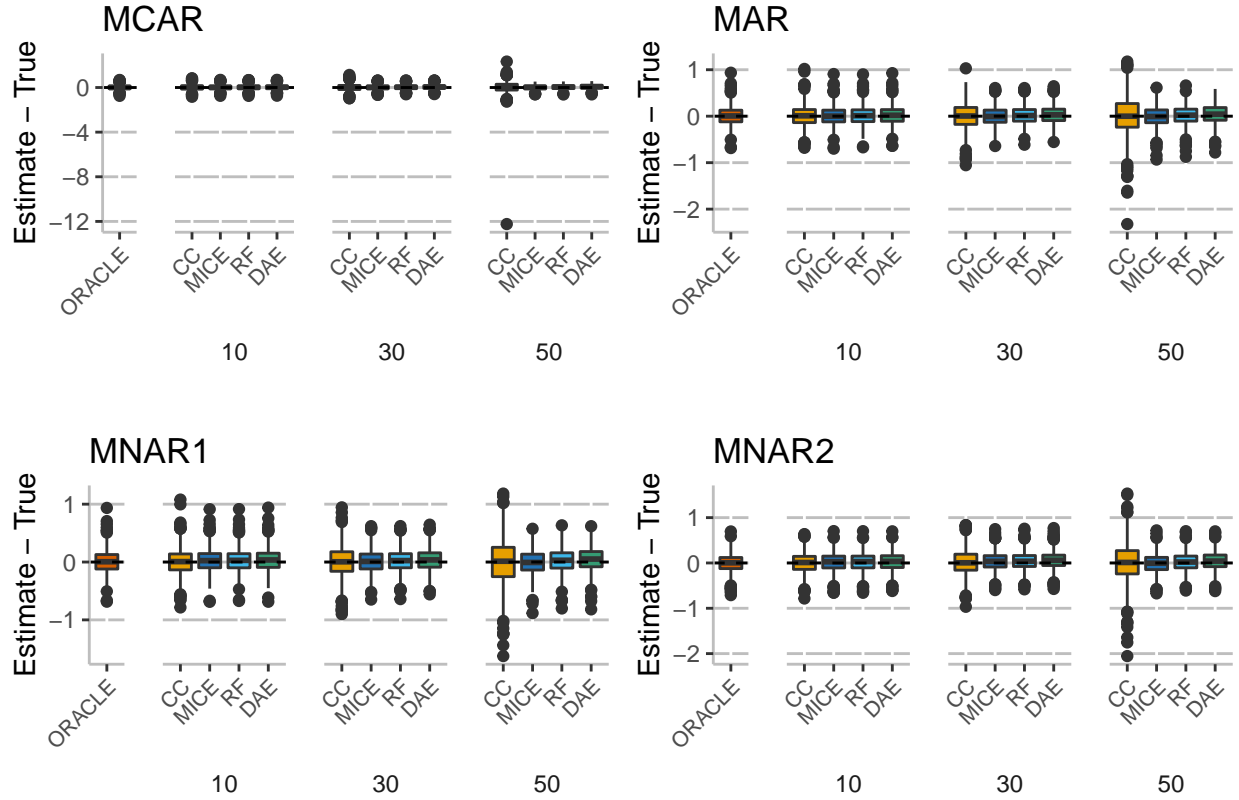
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



```
## 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

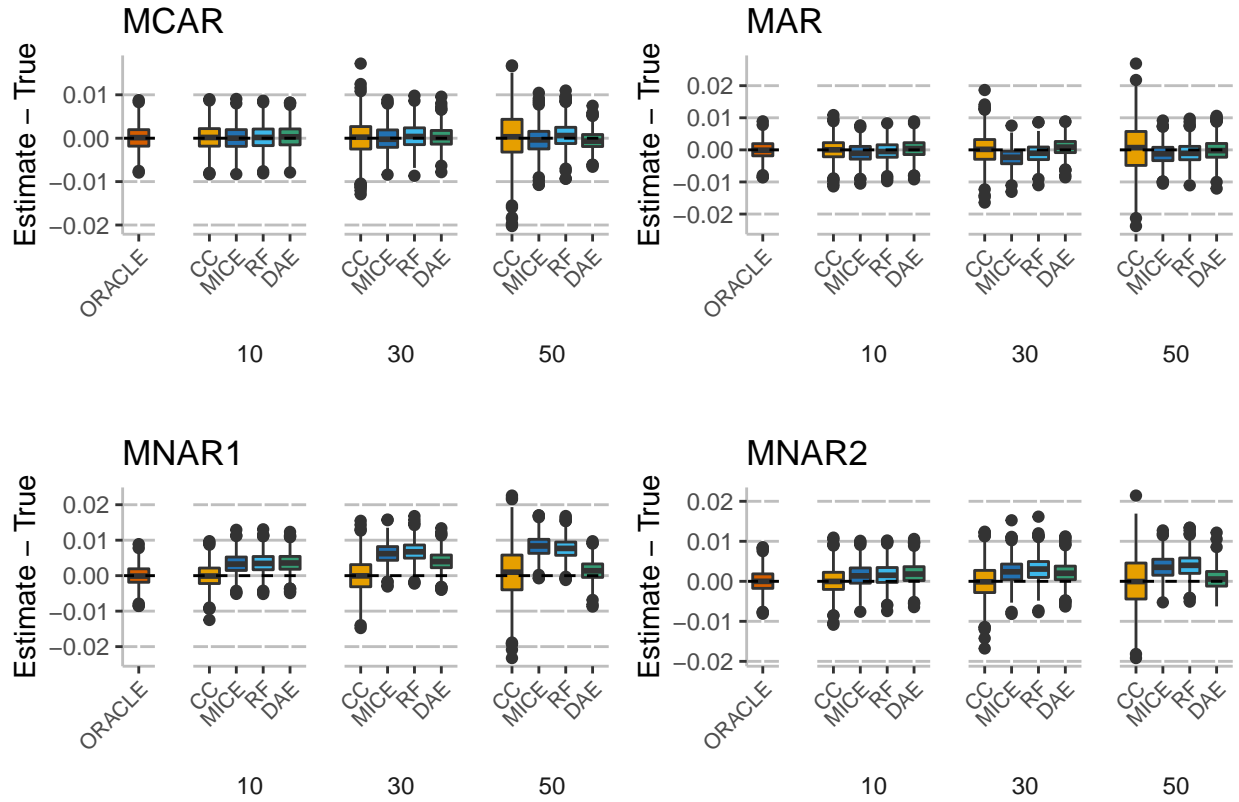
Warning: Removed 8 rows containing non-finite values (stat_boxplot).



```
## 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

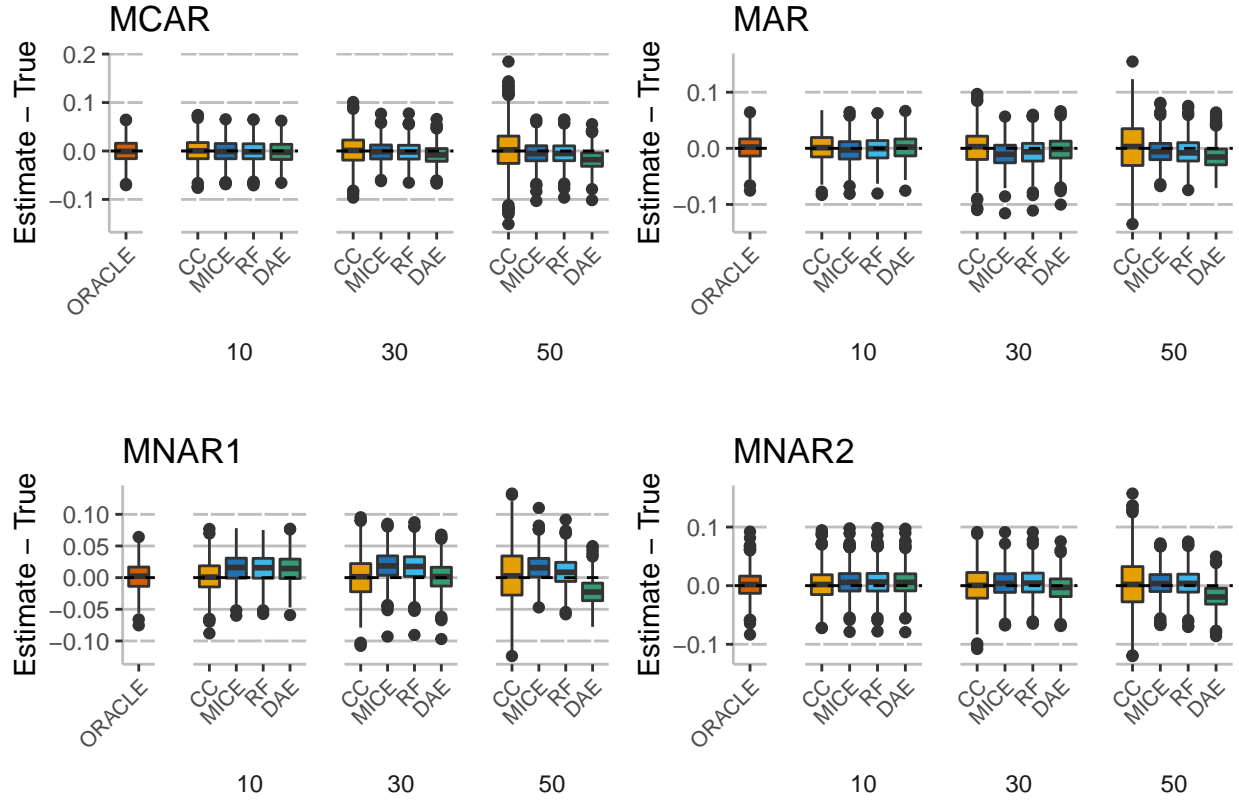
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



```
## 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

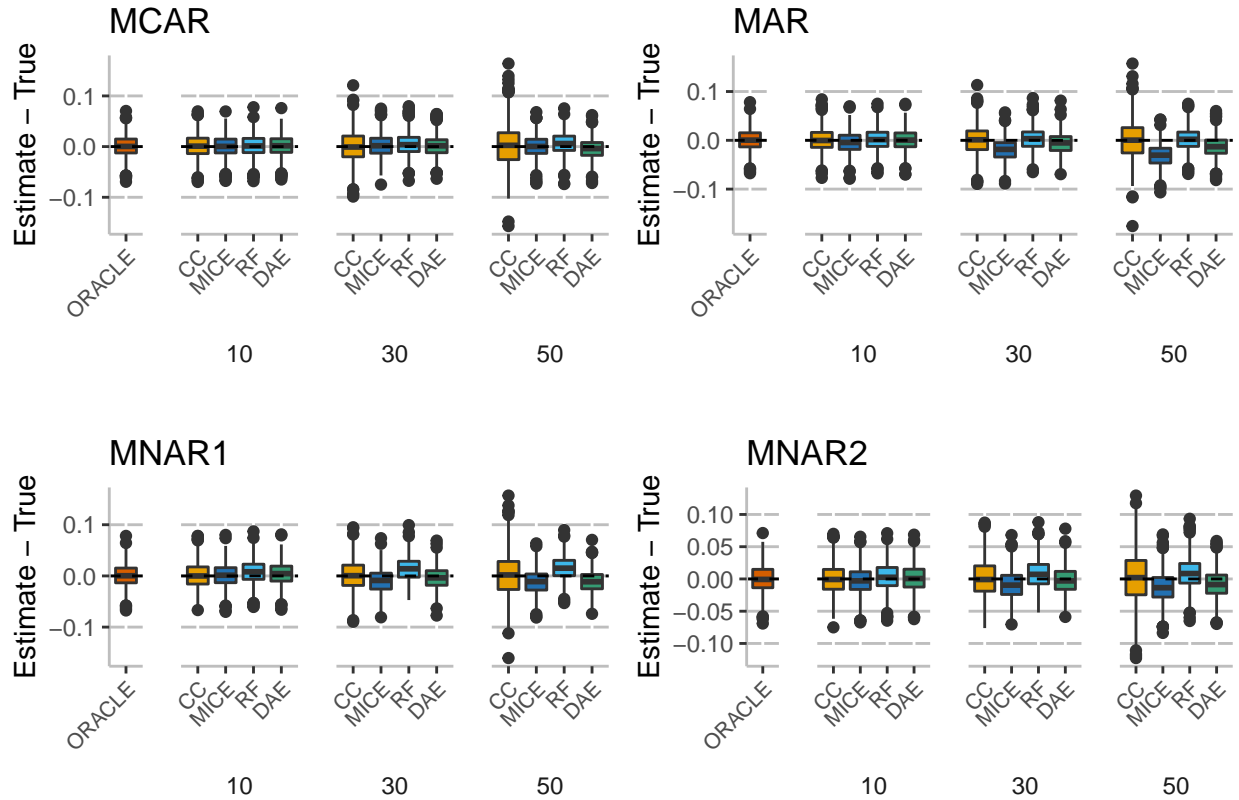
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



```
## 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).
```

```
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```
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```
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```

```
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```

```
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```

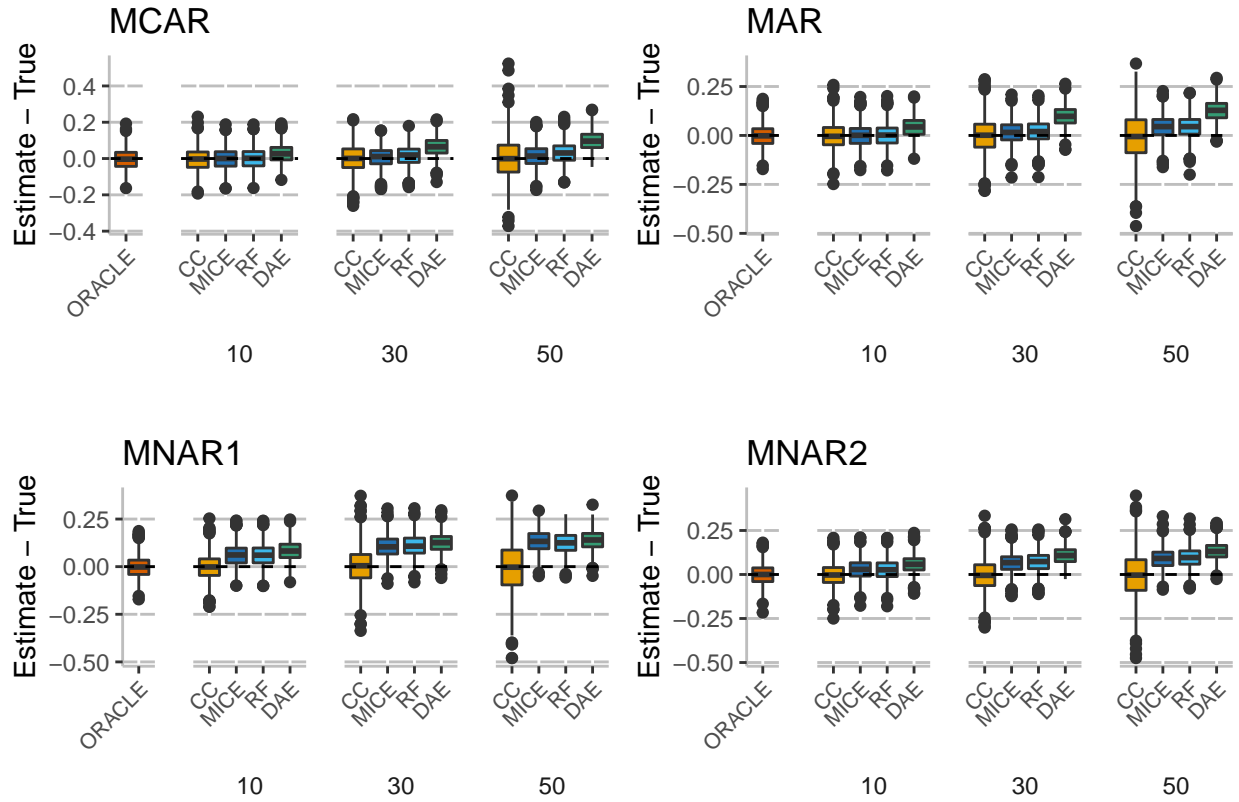
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```

```
## 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

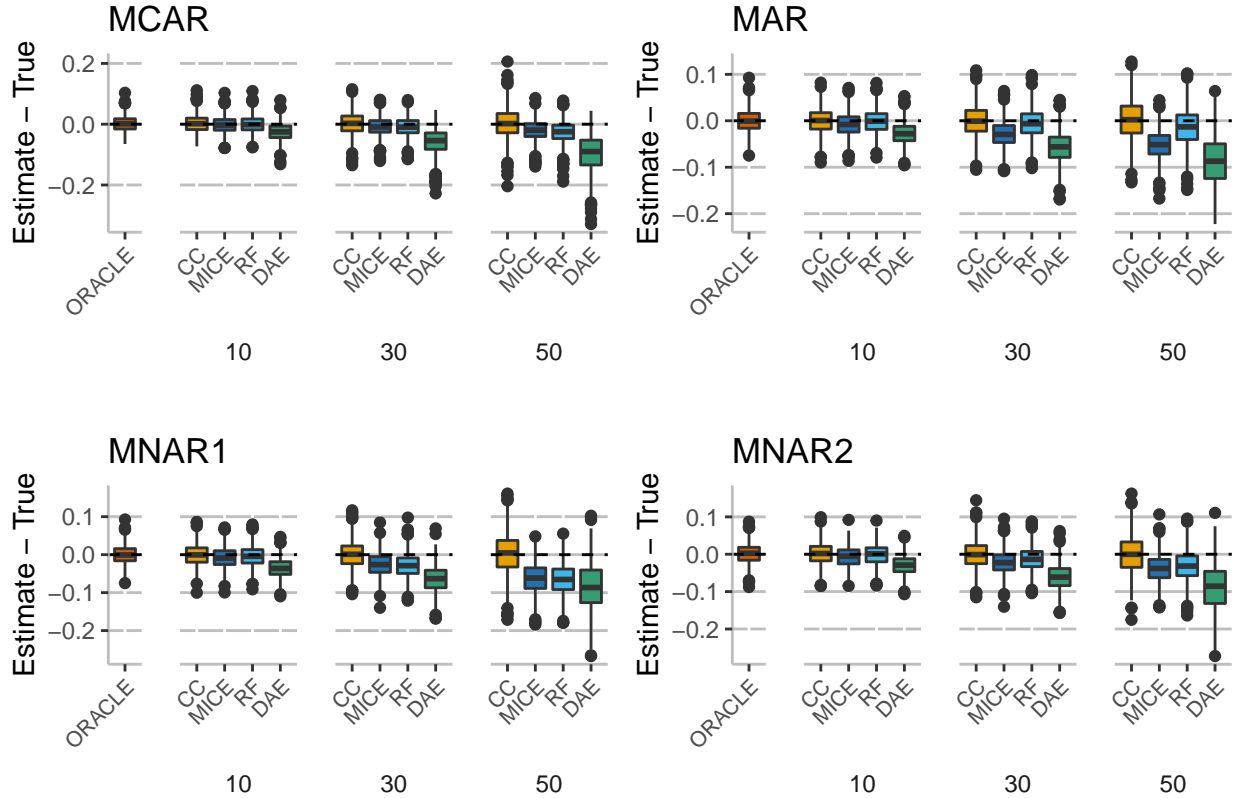
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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## 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]
```

b.ecogvalue

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]
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## 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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## 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]
```

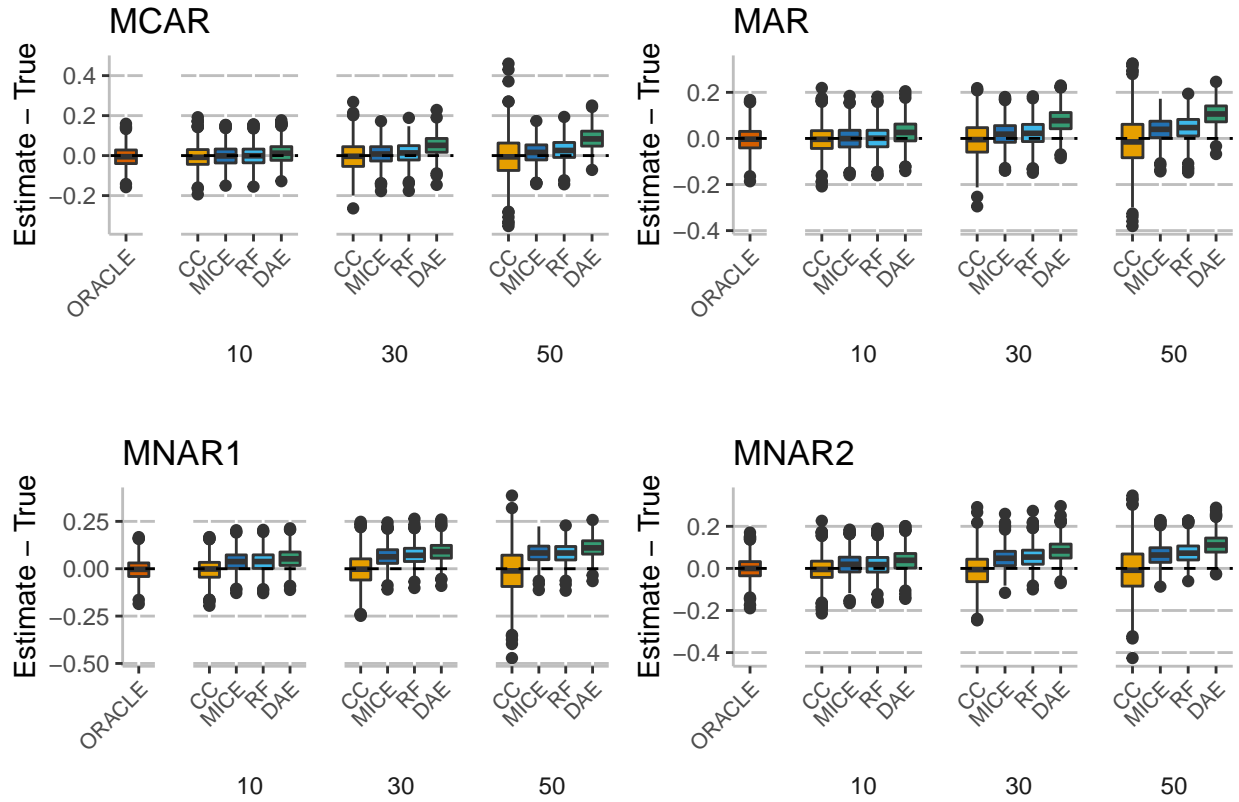
```
## 2 2 (1-1,2-2) arrange gtable[layout]
## 3 3 (2-2,1-1) arrange gtable[layout]
## 4 4 (2-2,2-2) arrange gtable[layout]

## pdf
## 2
```

Full outcome model, fewer DAE layers

treat

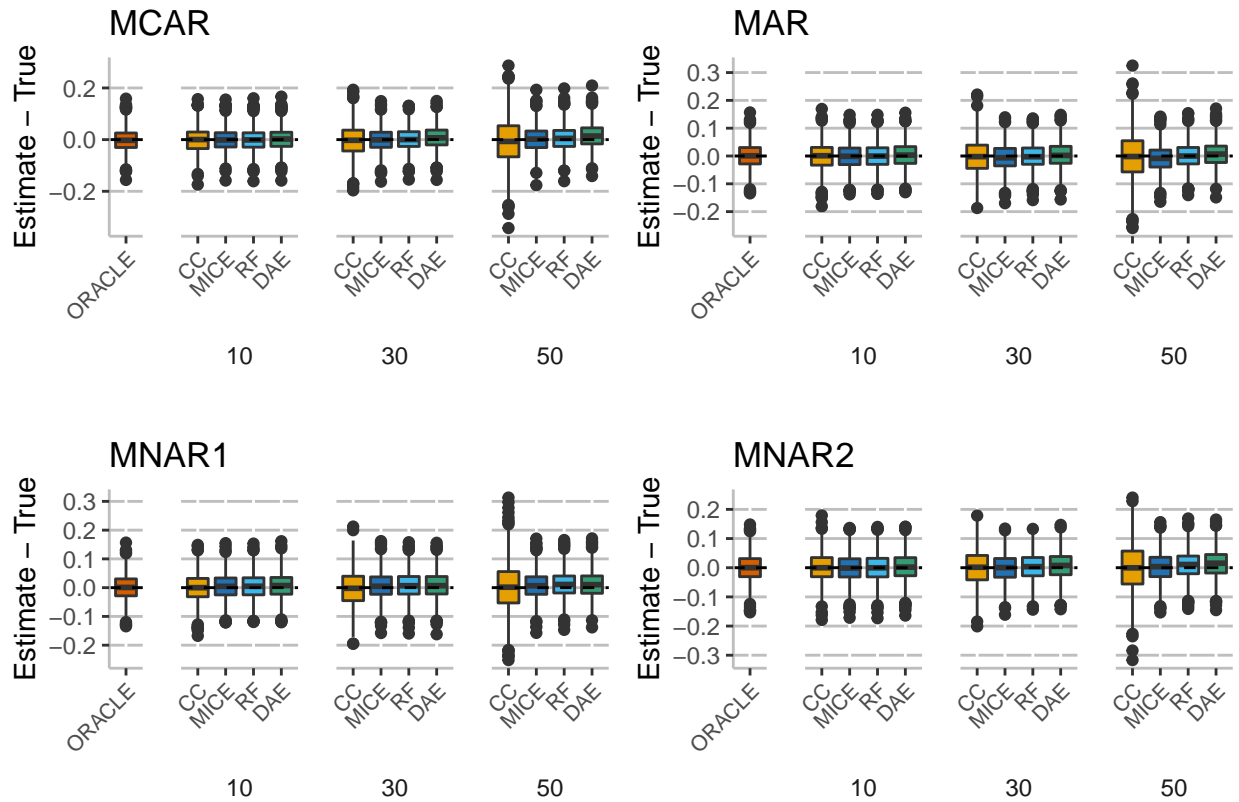
Warning: Removed 6 rows containing non-finite values (stat_boxplot).



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```

genderf

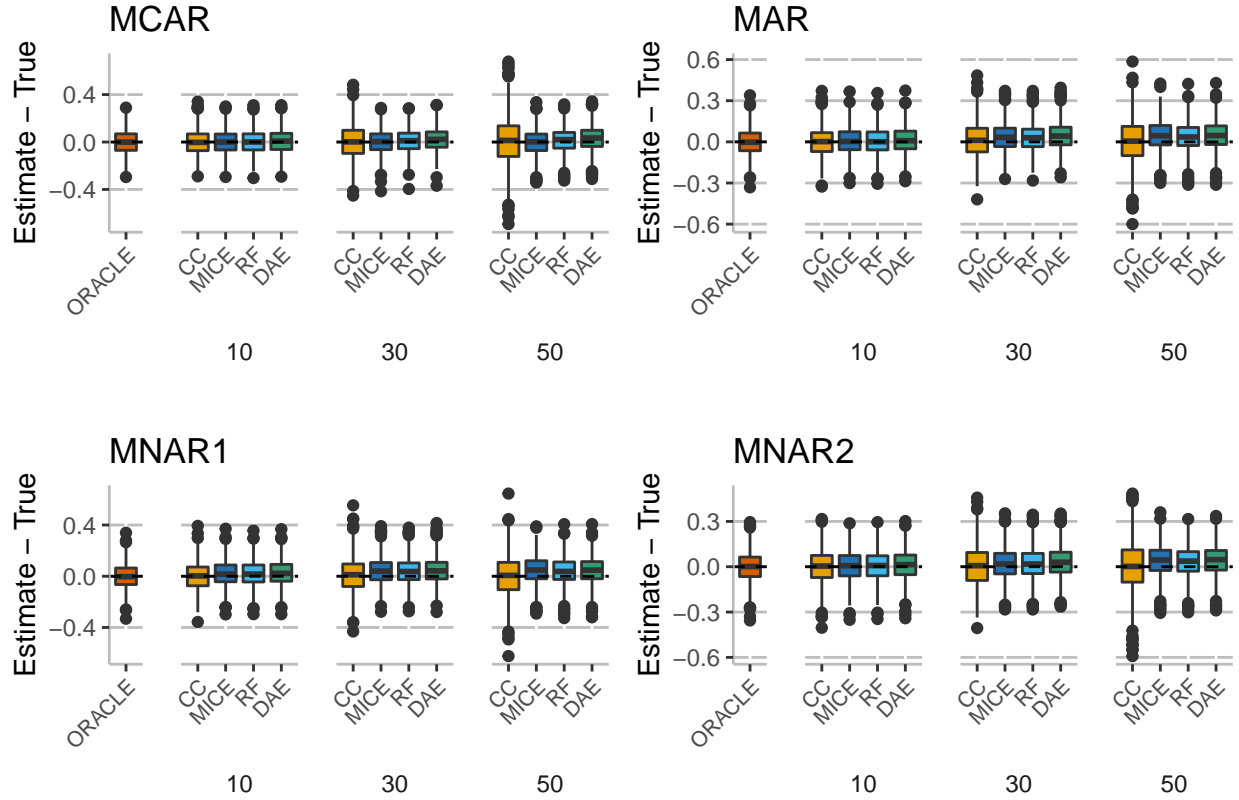
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```

reth_black

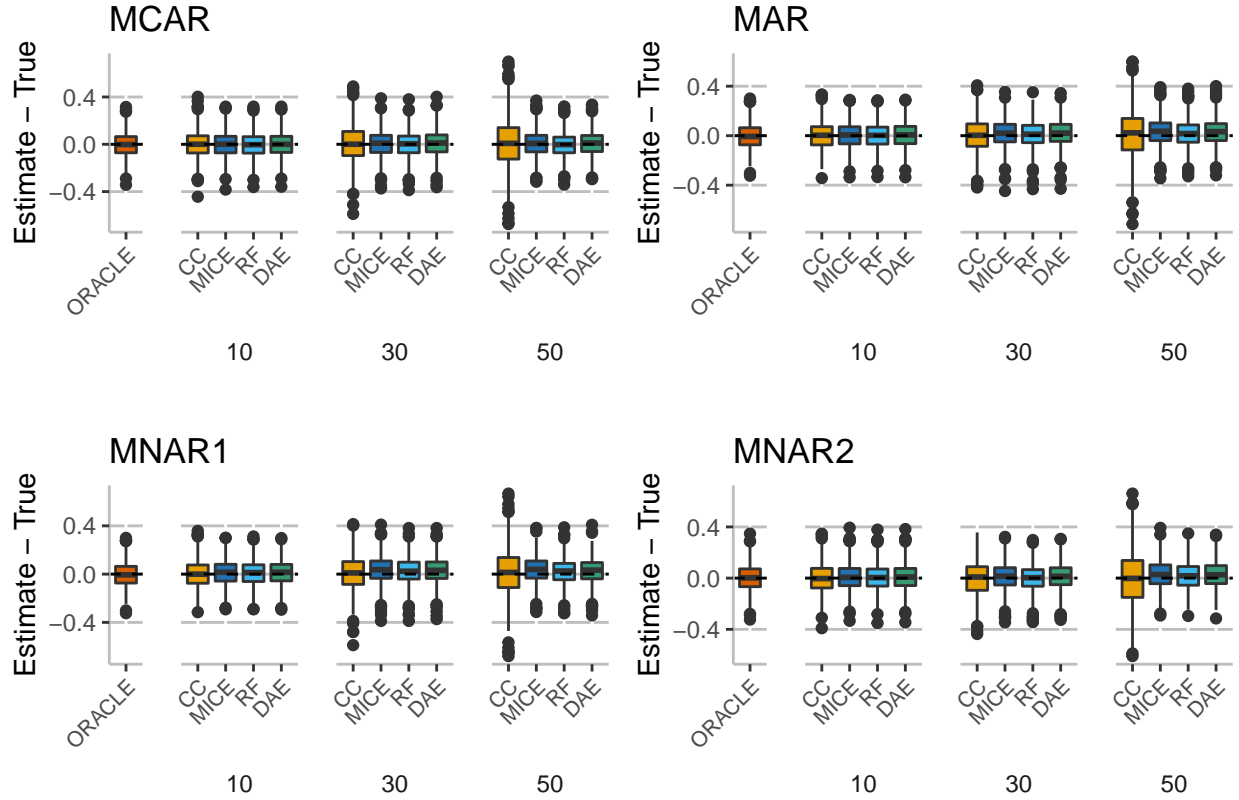
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```


reth_hisp

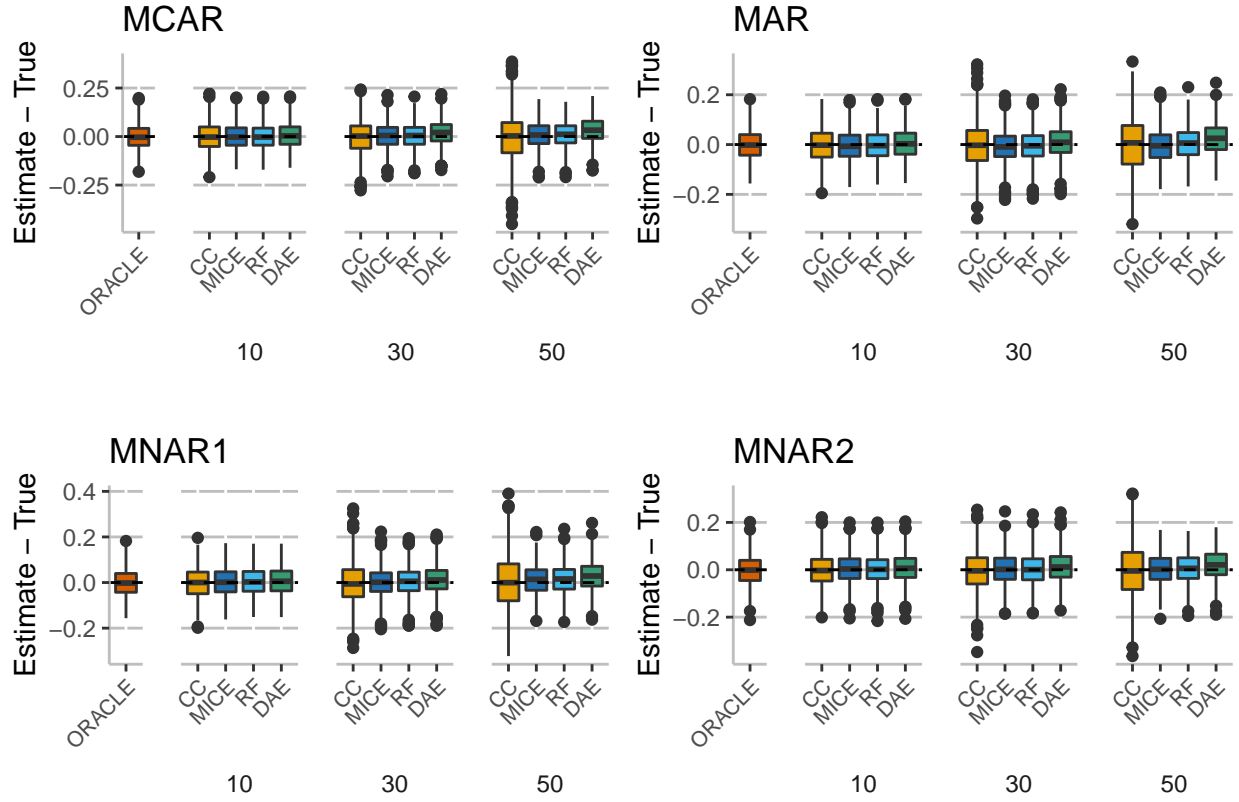
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```

reth_oth

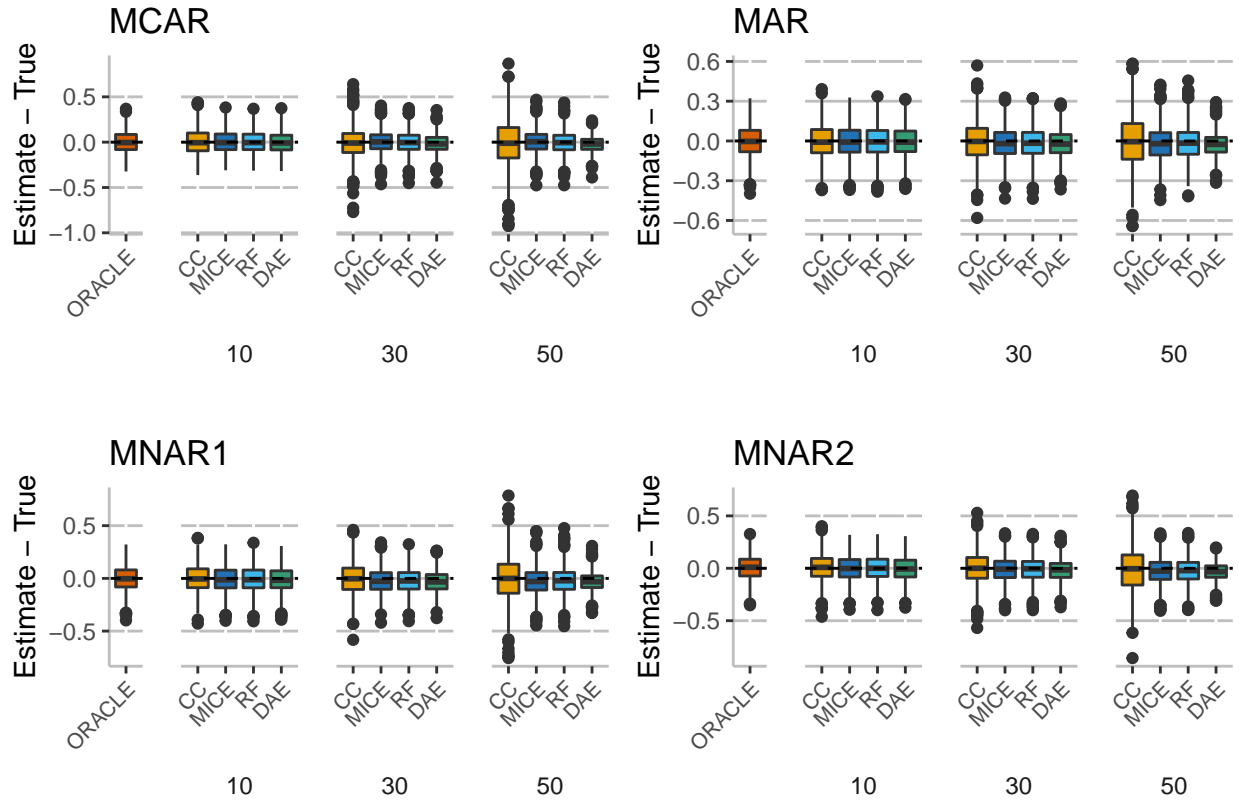
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practypec

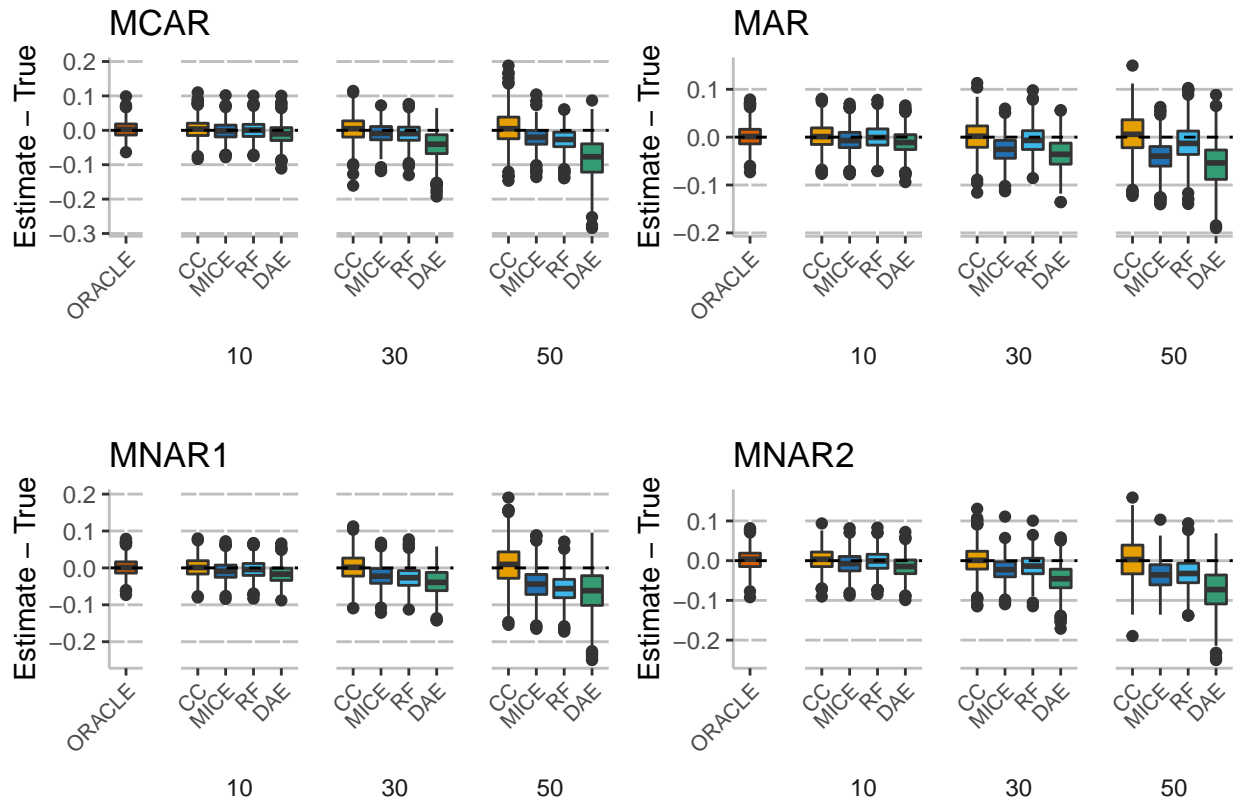
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b.ecogvalue

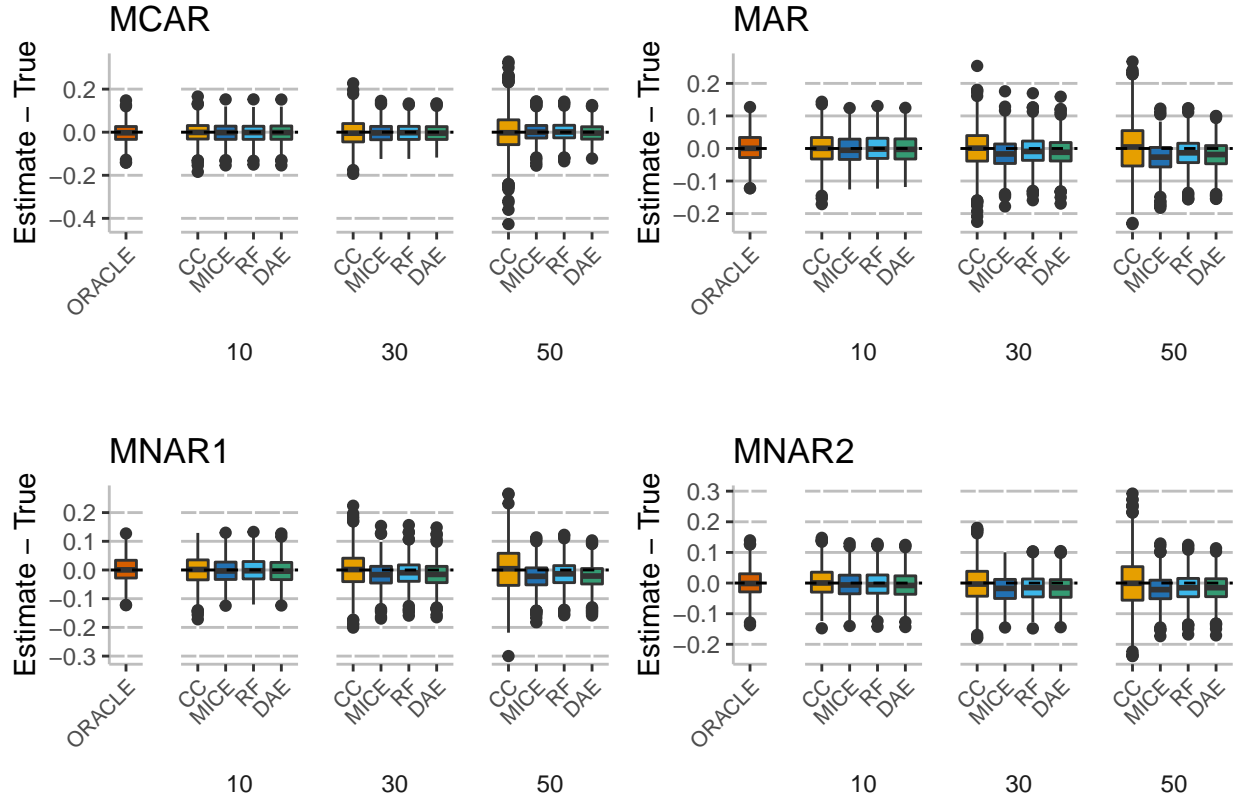
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smokey

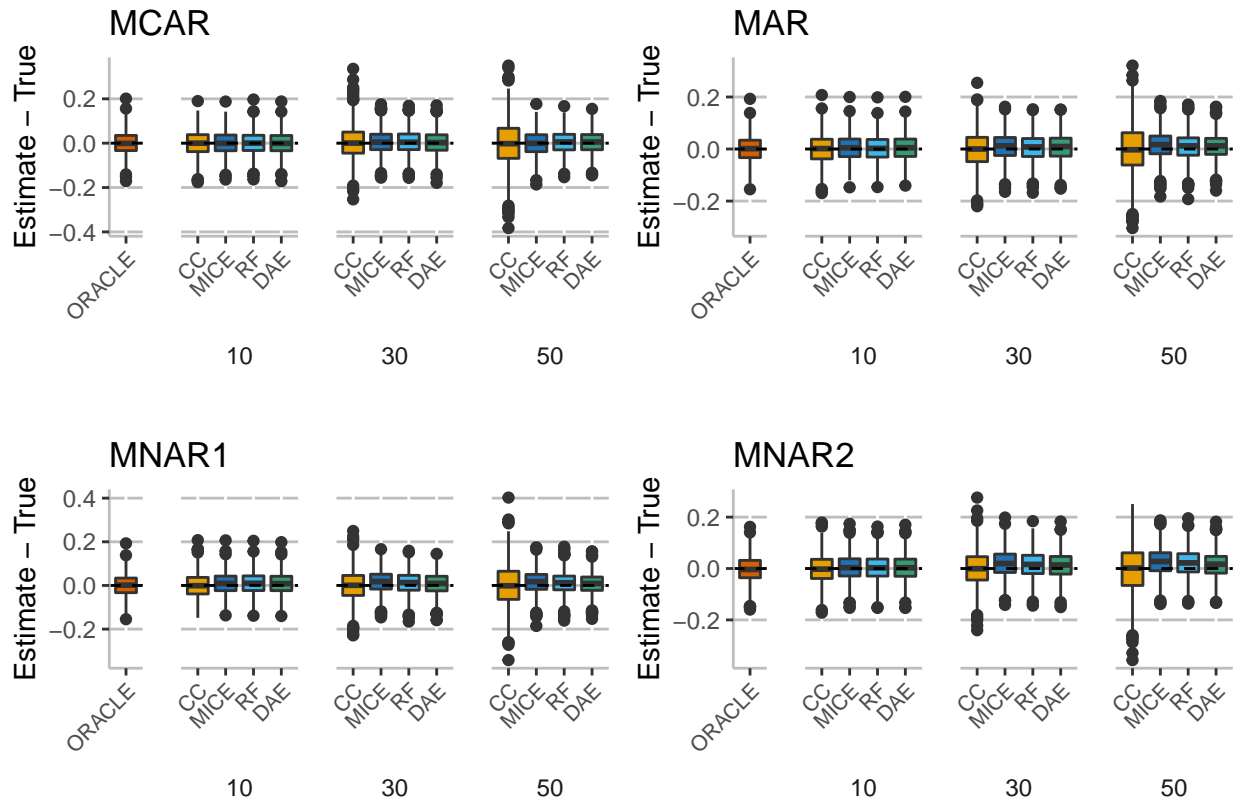
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dgradeh

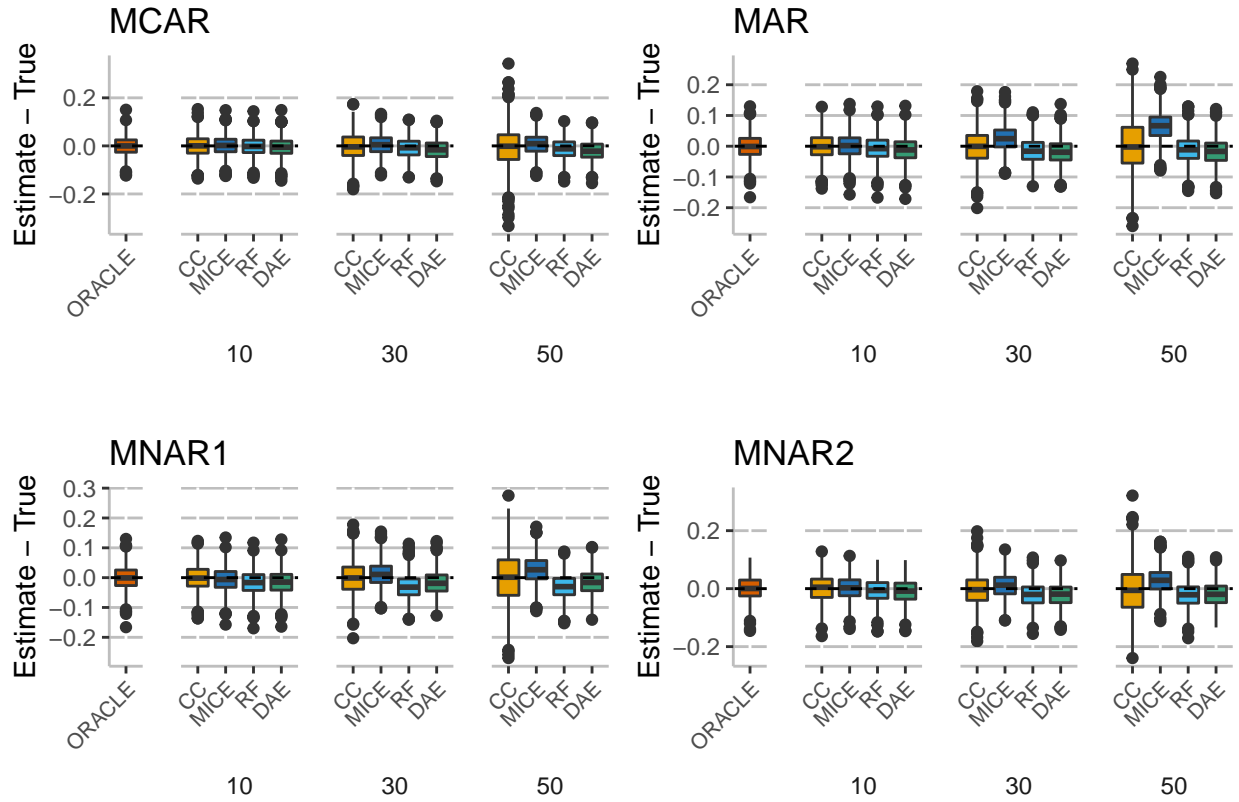
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surgery

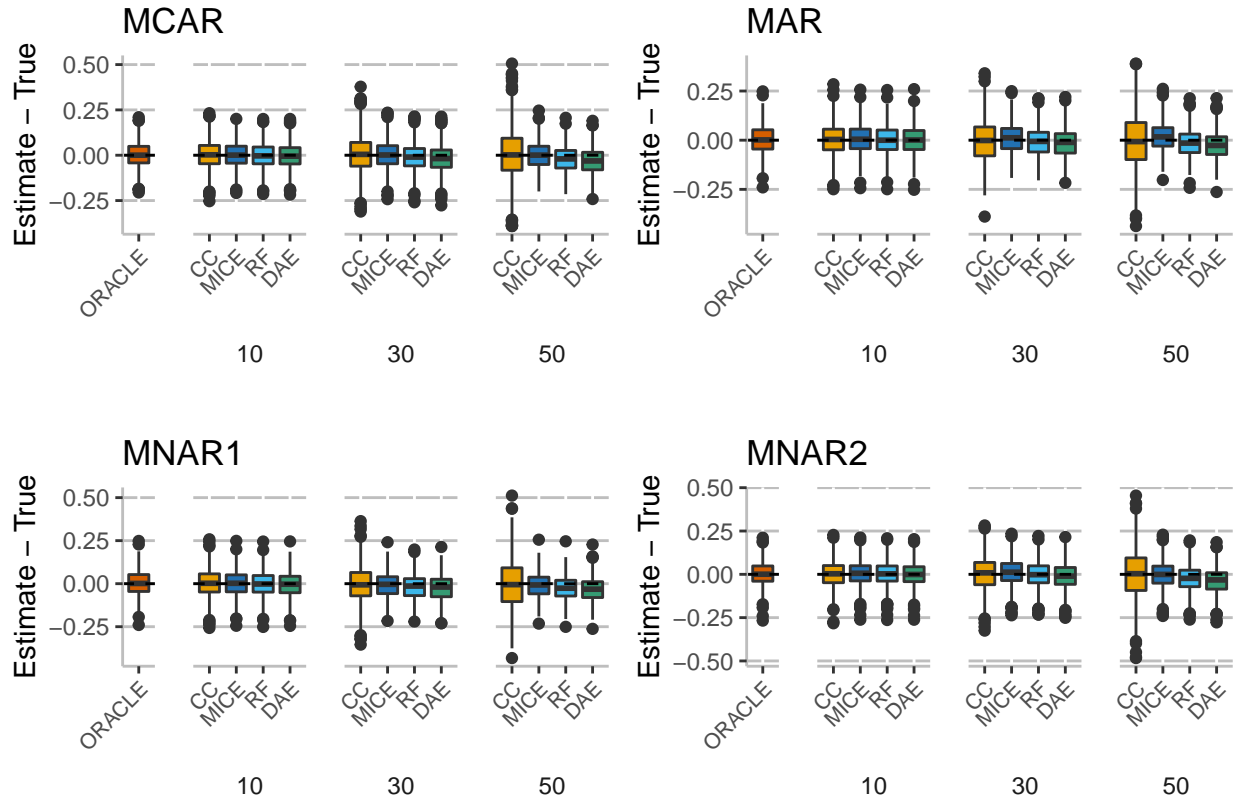
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site_ureter

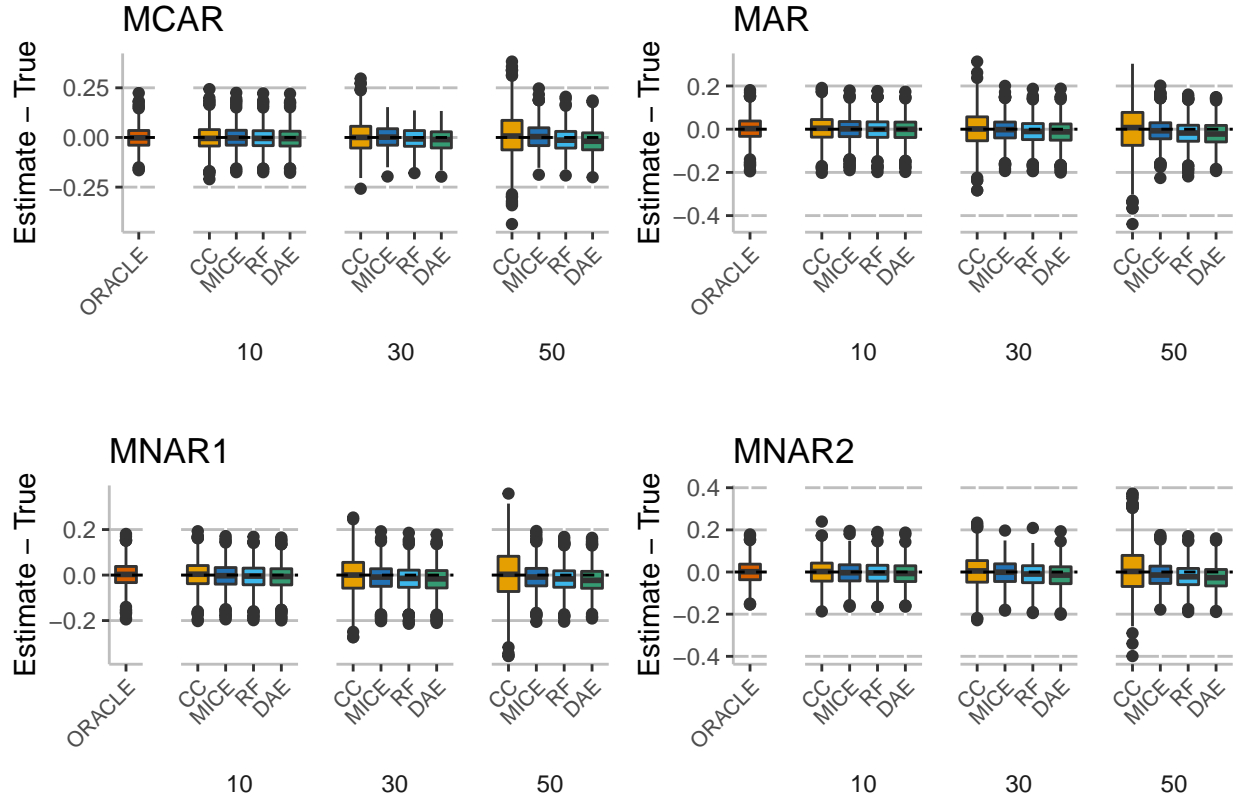
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site_renal

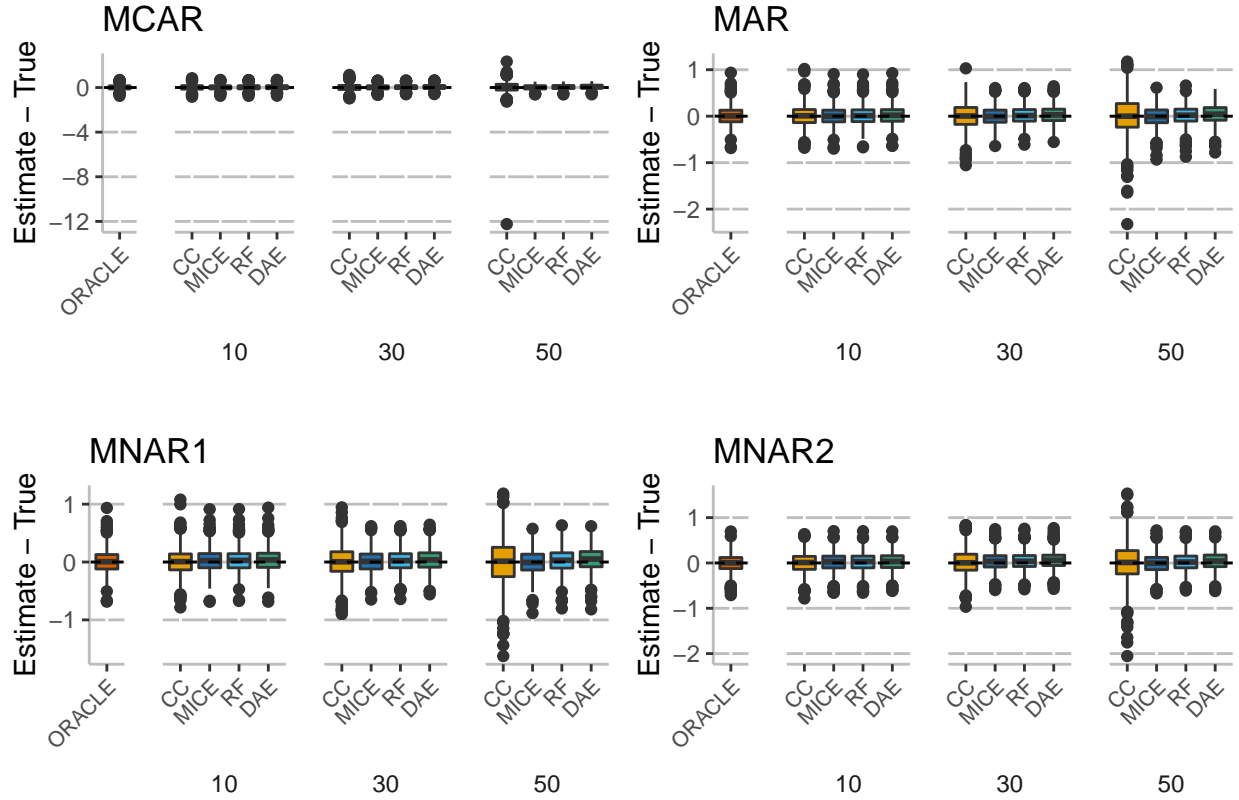
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site_urethra

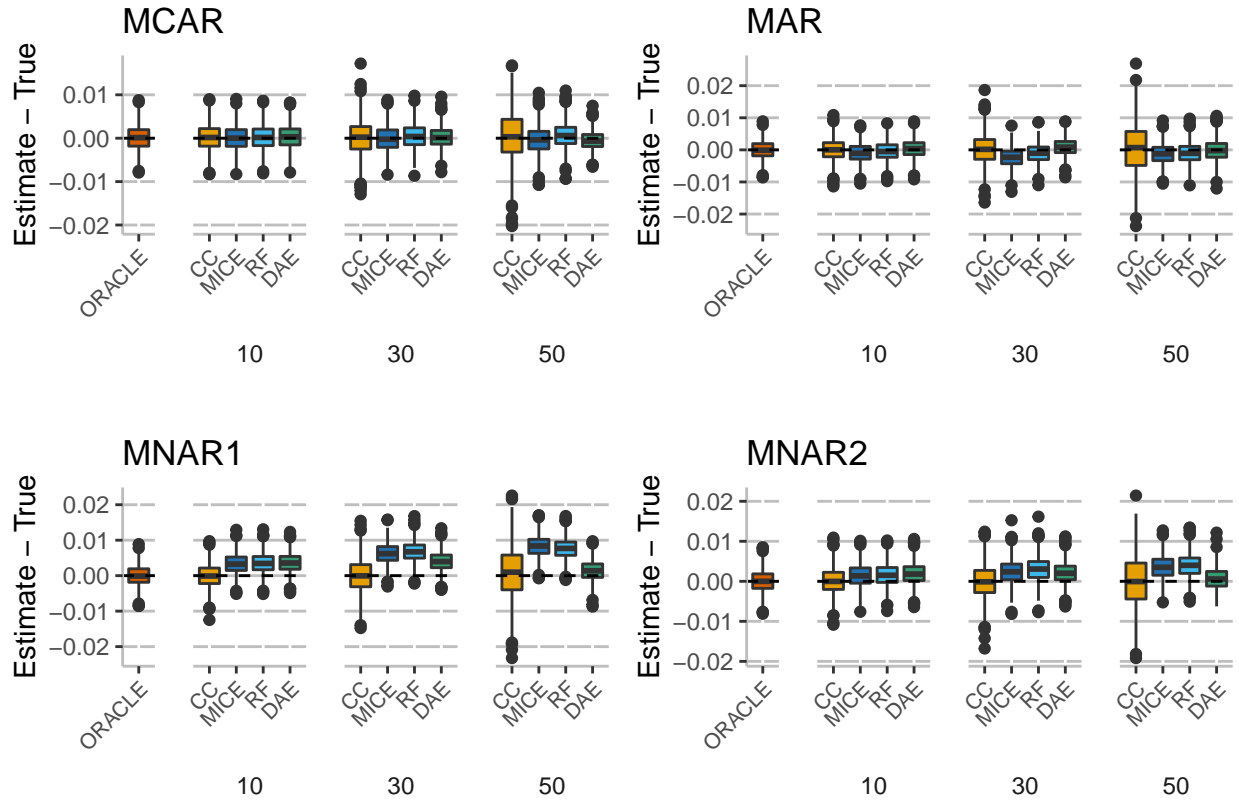
Warning: Removed 8 rows containing non-finite values (stat_boxplot).



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

age

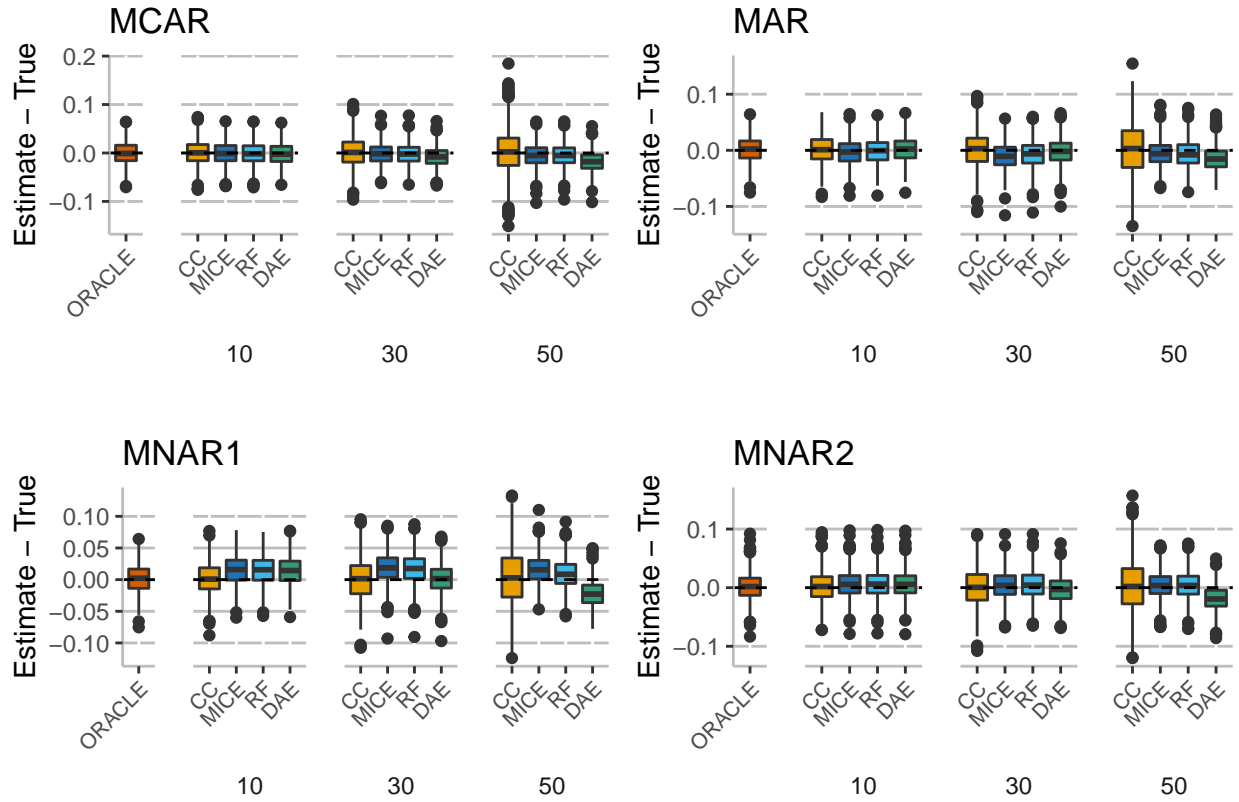
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```
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```

var1

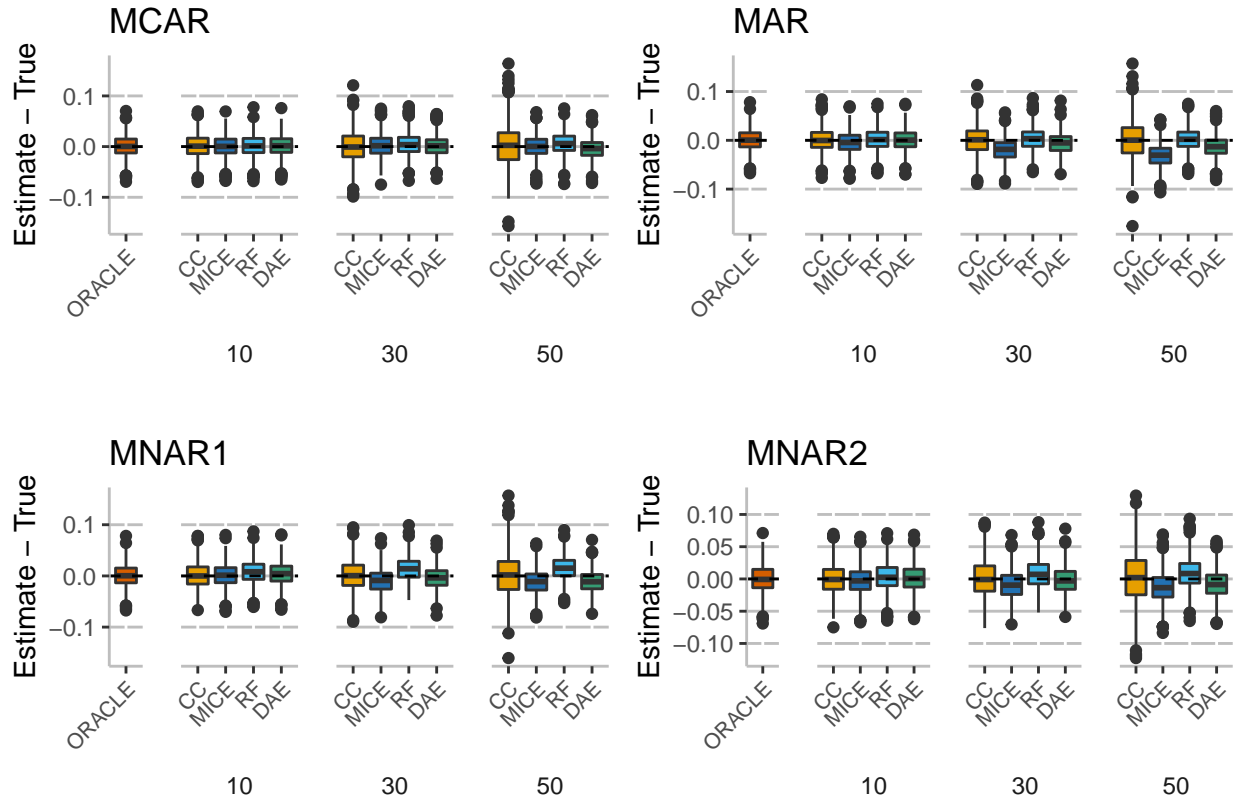
```
## Warning: Removed 6 rows containing non-finite values (stat_boxplot).
```



```
## 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).
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```

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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).
```