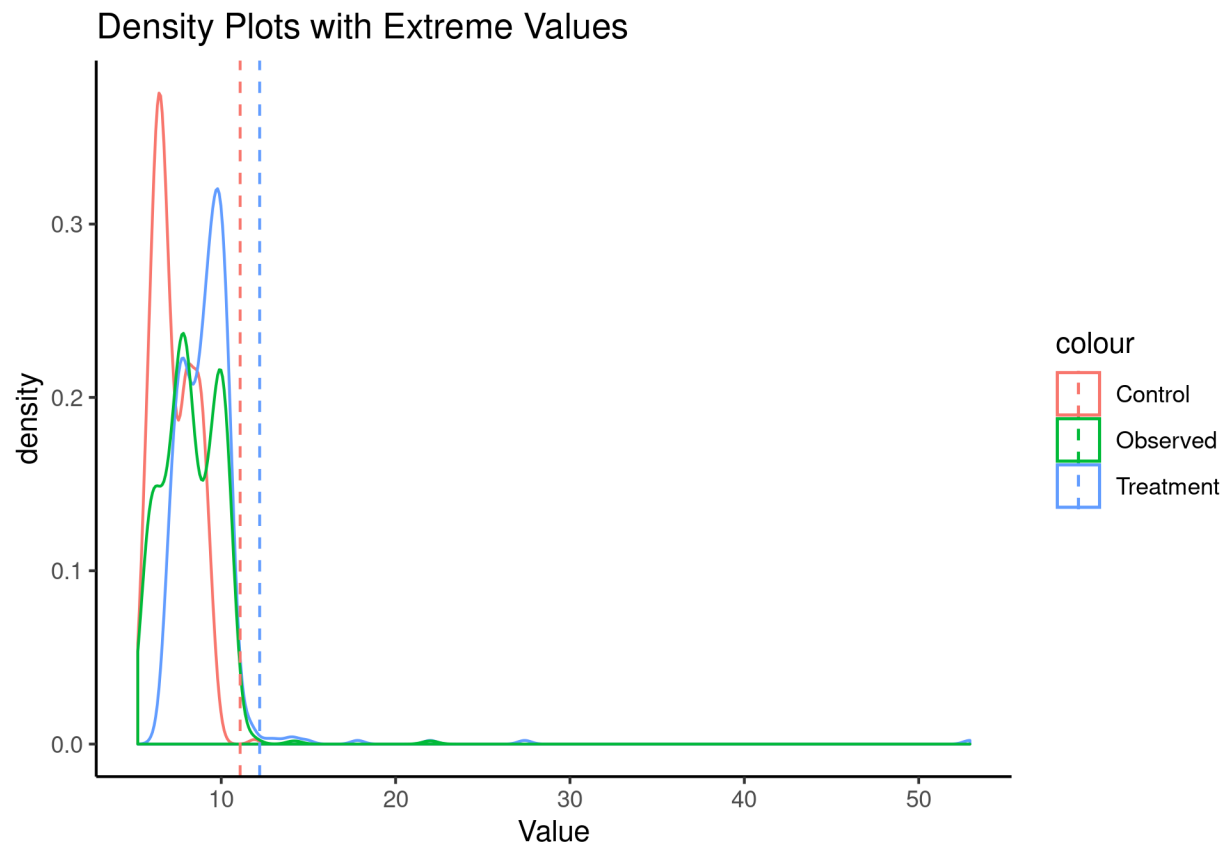


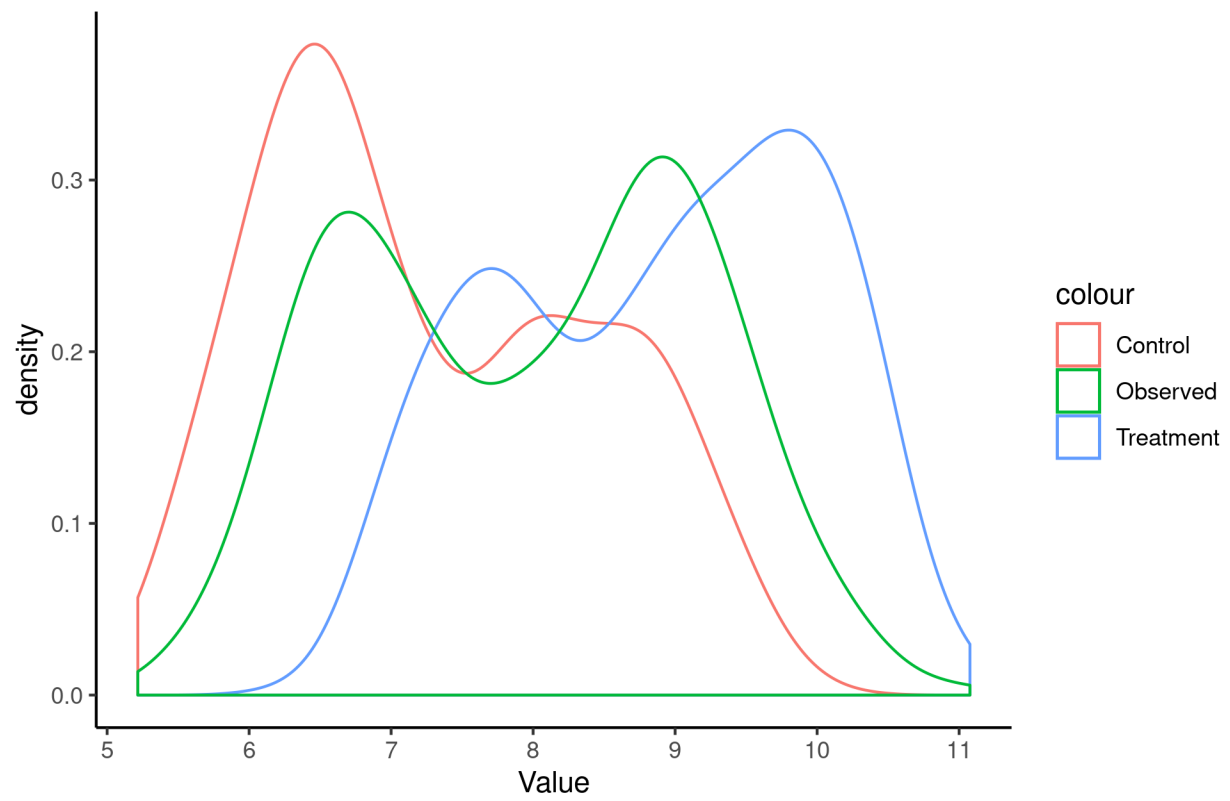
# Normal GPD Quantile treatment effect

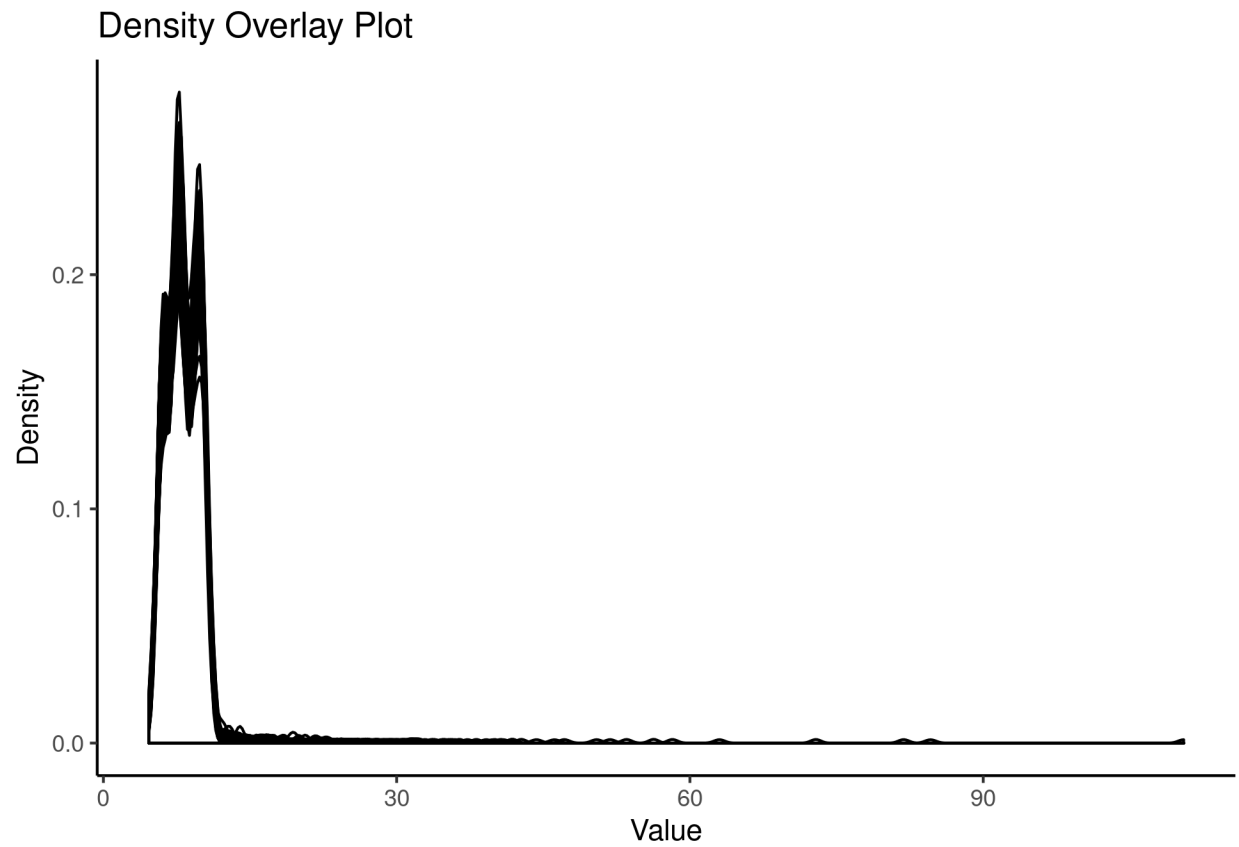
Arnab Aich

2023-10-01



Density Plots without Extreme Values





```
Final$Treatment$Mean_Int_Sq_error
```

```
[1] 0.02694397
```

```
Final$Treatment$Estimated
```

```
      mu      eta
9.174143 0.499252
```

```
Final$Treatment$True
```

```
$weights
```

```
[1] 0.65 0.35
```

```
$mu
```

```
[1] 9.595473 7.547737
```

```
$eta
```

```
[1] 0.4 0.4
```

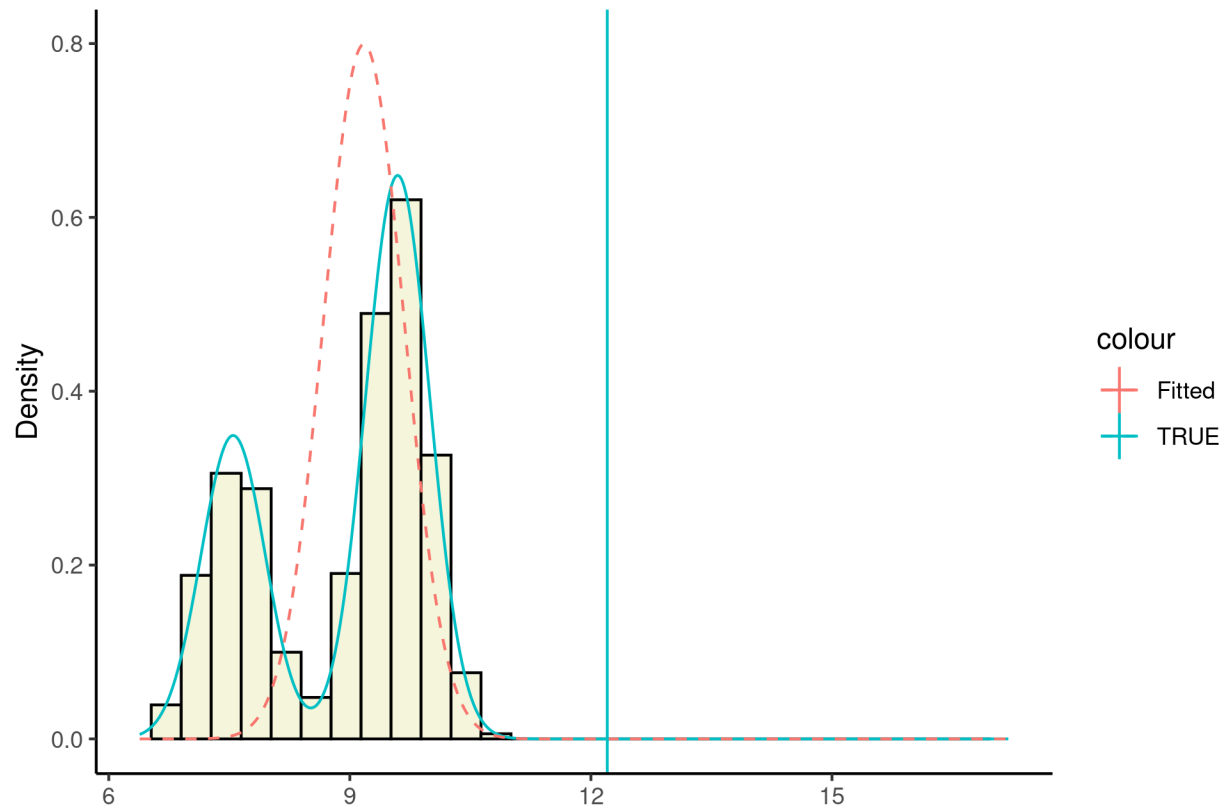
```
$u
```

```
      u1
12.2035
```

```
$sigma  
[1] 4
```

```
$xi  
[1] 0.3
```

```
Final$Treatment$True_vs_Fitted
```



```
Final$Control$Mean_Int_Sq_error
```

```
[1] 0.0602208
```

```
Final$Control$estimated
```

```
mu    eta  
6.990657 0.968856
```

```
Final$Control$True
```

```
$weights  
[1] 0.55 0.45
```

```
$mu
```

```
[1] 6.321605 8.369341
```

```
$eta
```

```
[1] 0.3 0.3
```

```
$u
```

```
u0
```

```
11.08416
```

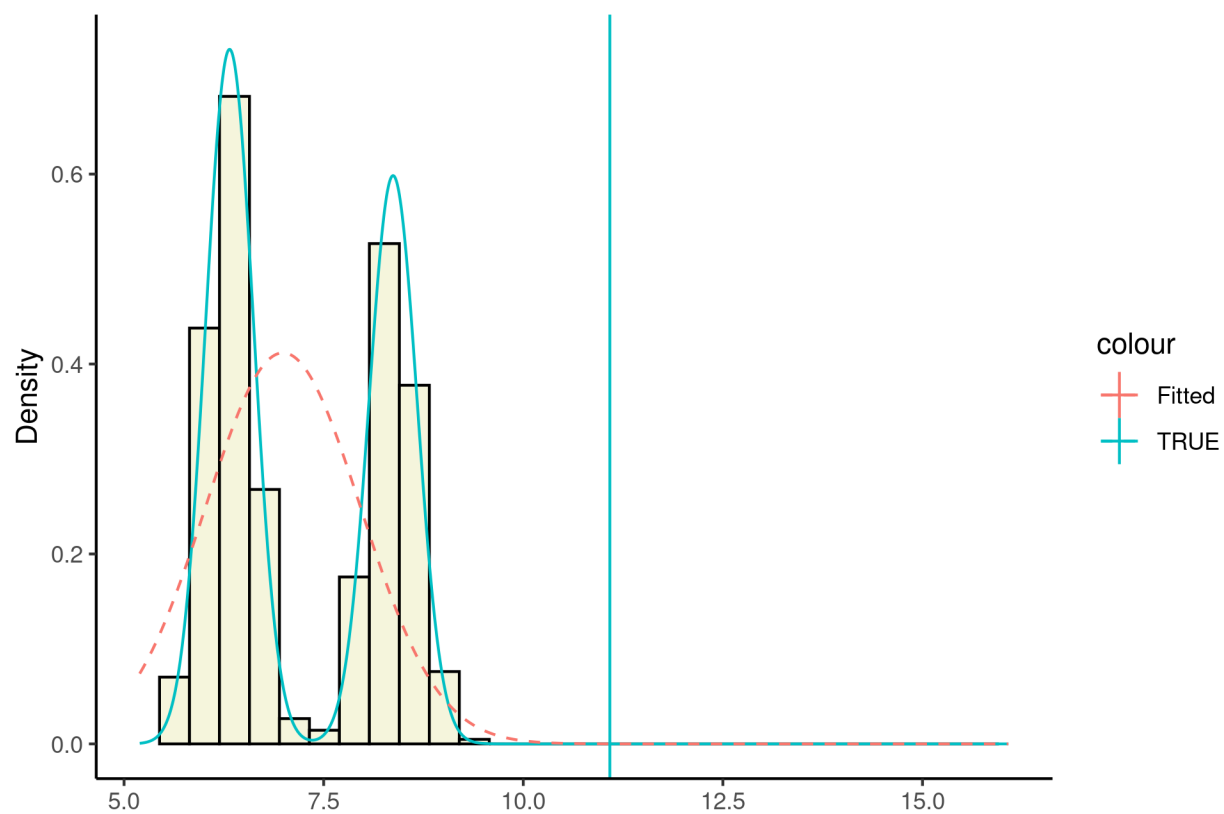
```
$sigma
```

```
[1] 3
```

```
$xi
```

```
[1] 0.4
```

```
Final$Control$True_vs_Fitted
```



```
[[1]]
```

	True	Estimated	Bias
Treated	6.773863	8.013205	-1.2393412
Control	5.691112	4.738410	0.9527027
Treatment Effect	1.082751	3.274795	-2.1920439

```
[[2]]
```

	True	Estimated	Bias
--	------	-----------	------

Treated	7.113162	8.352203	-1.2390416
Control	5.926823	5.395361	0.5314619
Treatment Effect	1.186339	2.956843	-1.7705035

[[3]]

	True	Estimated	Bias
Treated	9.297995	9.174123	0.1238720
Control	6.703454	6.991581	-0.2881276
Treatment Effect	2.594541	2.182541	0.4119996

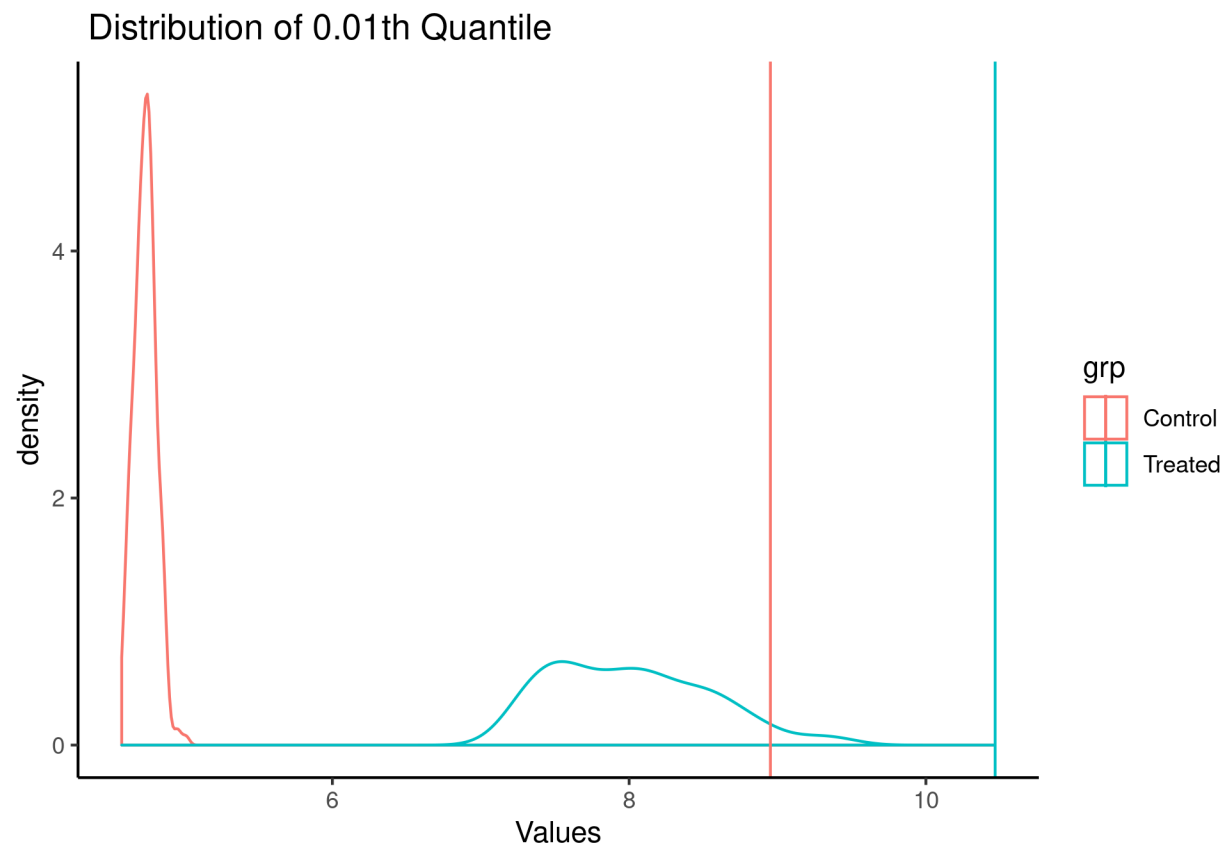
[[4]]

	True	Estimated	Bias
Treated	10.169067	9.995311	0.17375567
Control	8.717604	8.582473	0.13513060
Treatment Effect	1.451463	1.412838	0.03862507

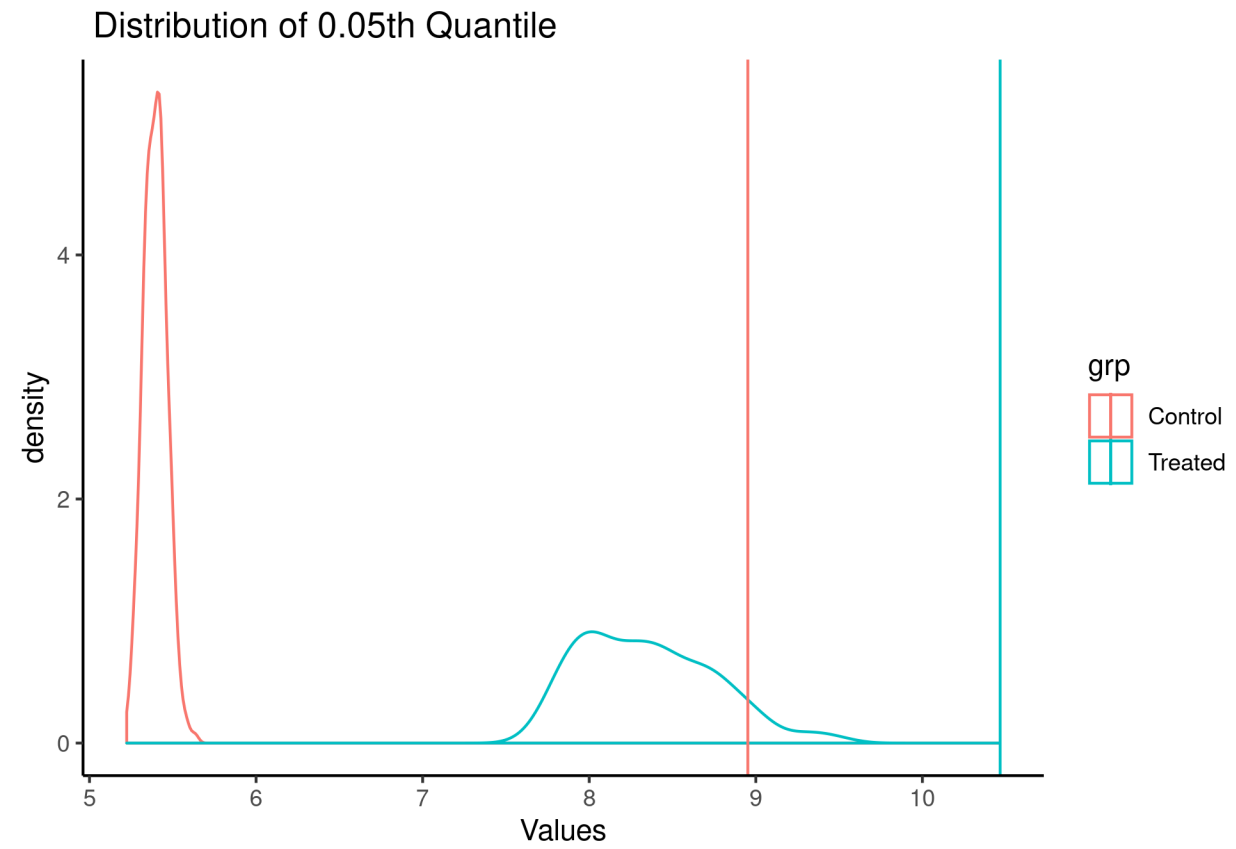
[[5]]

	True	Estimated	Bias
Treated	10.466656	10.332352	0.1343038
Control	8.952089	9.235627	-0.2835374
Treatment Effect	1.514567	1.096726	0.4178411

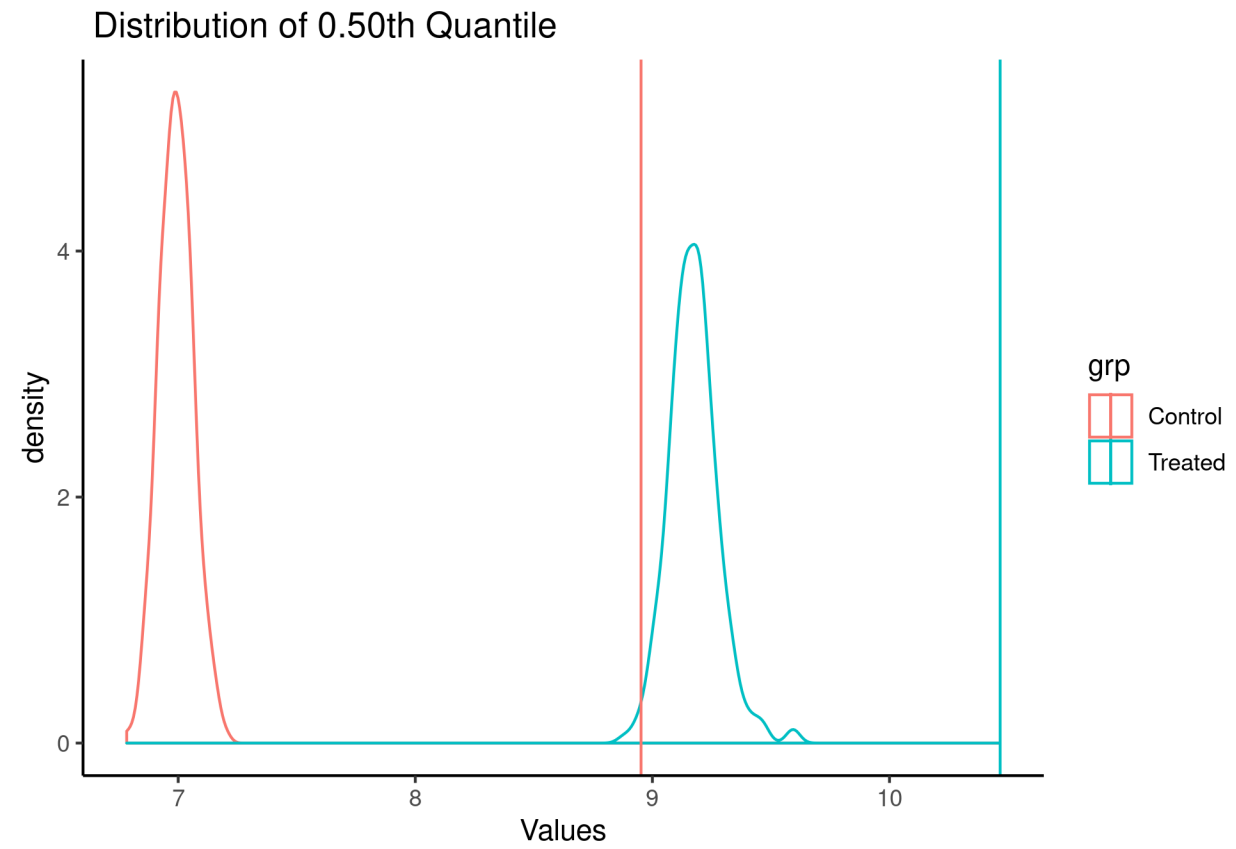
[[1]]



[[2]]

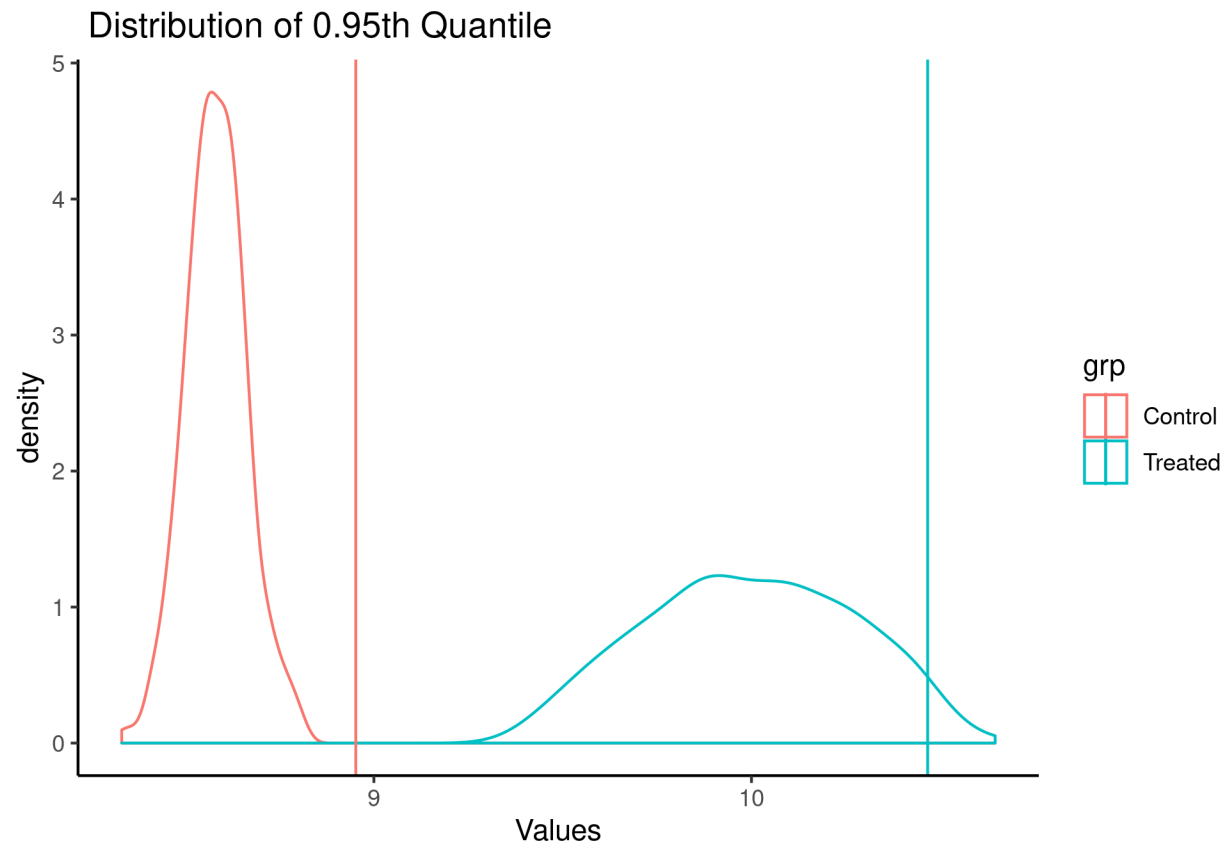


[[3]]



[[4]]





[[5]]

