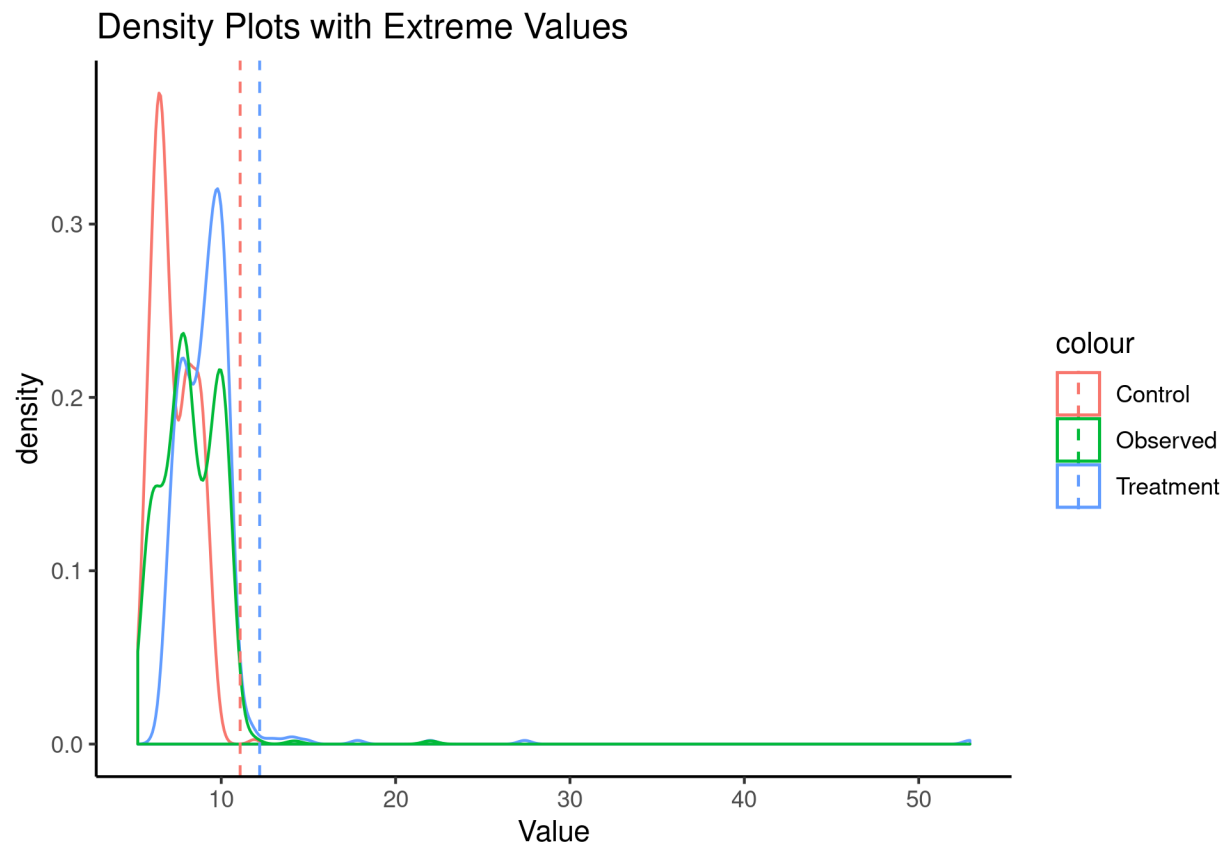


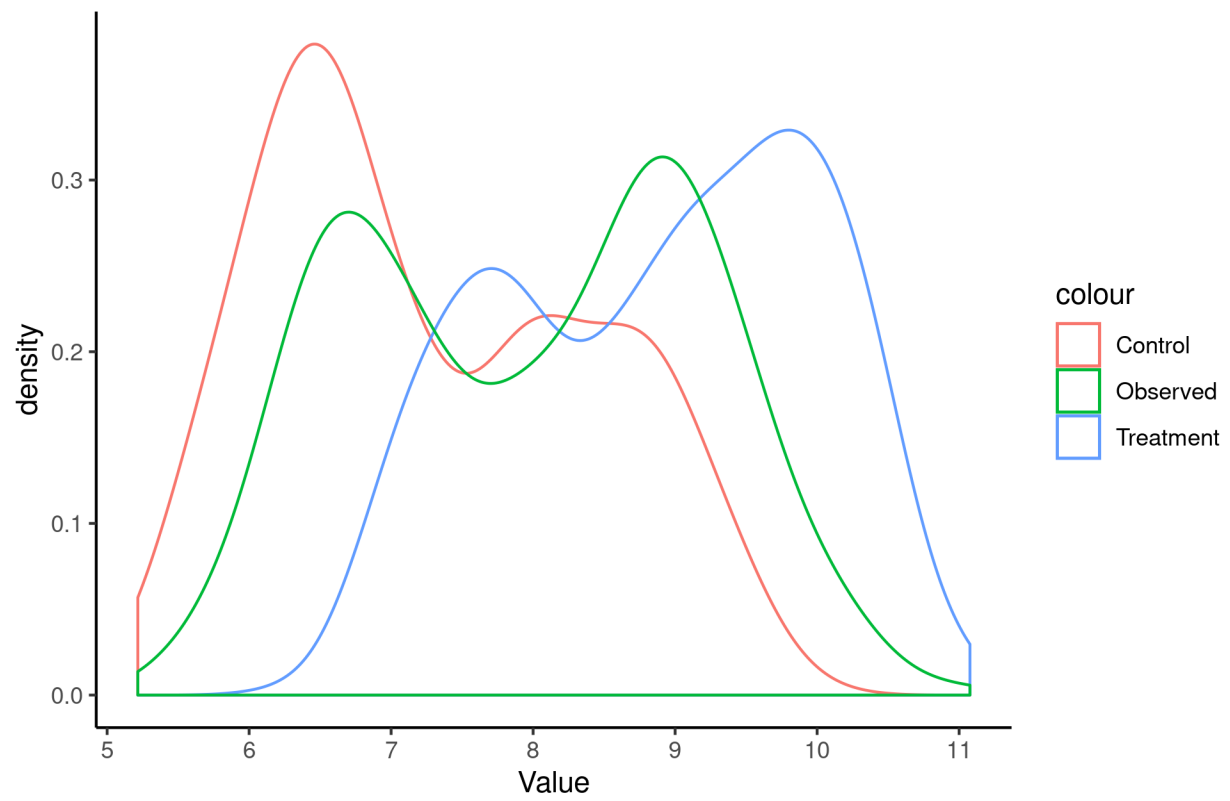
# Normal GPD Quantile treatment effect

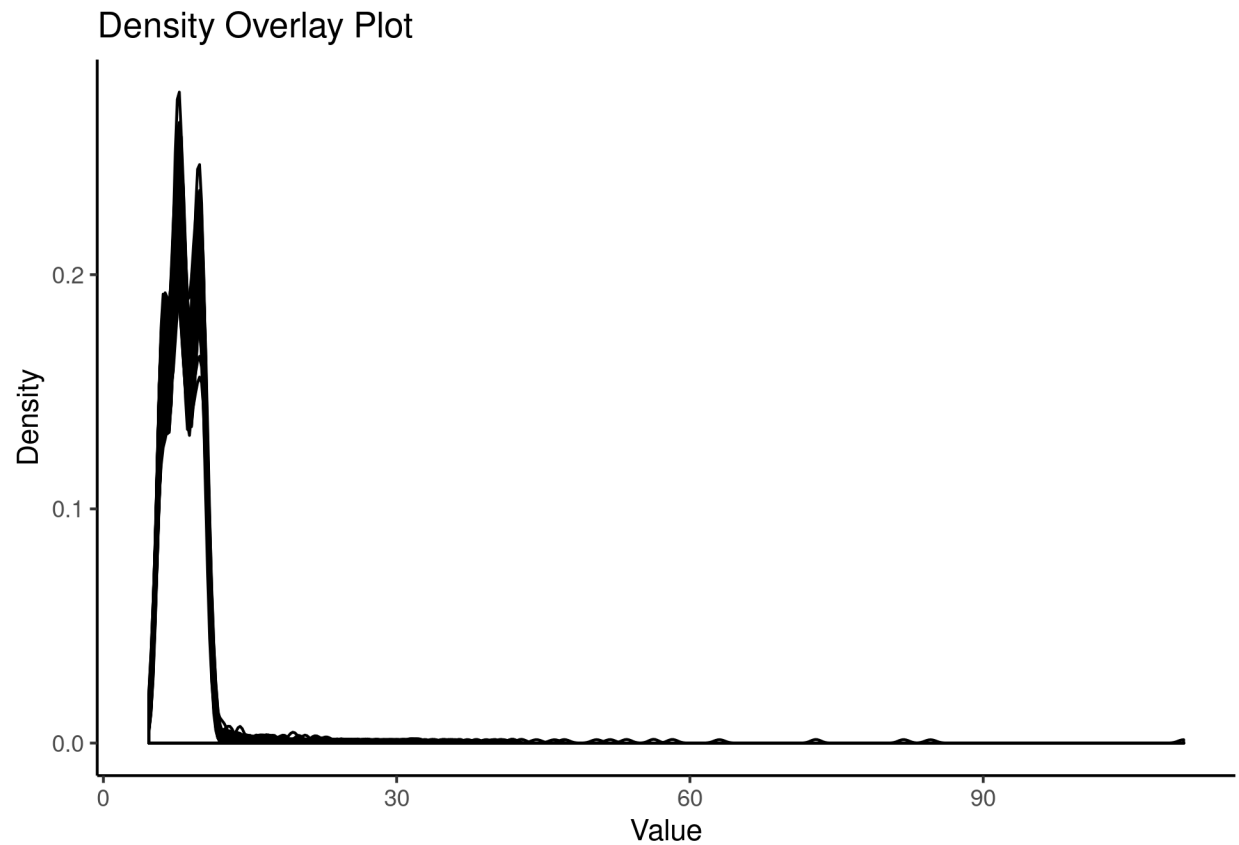
Arnab Aich

2023-10-01



Density Plots without Extreme Values





```
Final$Treatment$Mean_Int_Sq_error
```

```
[1] 0.01224585
```

```
Final$Treatment$estimated
```

	mu	eta	u	sigma	xi
1	9.051112	1.086256	13.69695	5.818436	0.24828

```
Final$Treatment$True
```

```
$weights
```

```
[1] 0.65 0.35
```

```
$mu
```

```
[1] 9.595473 7.547737
```

```
$eta
```

```
[1] 0.4 0.4
```

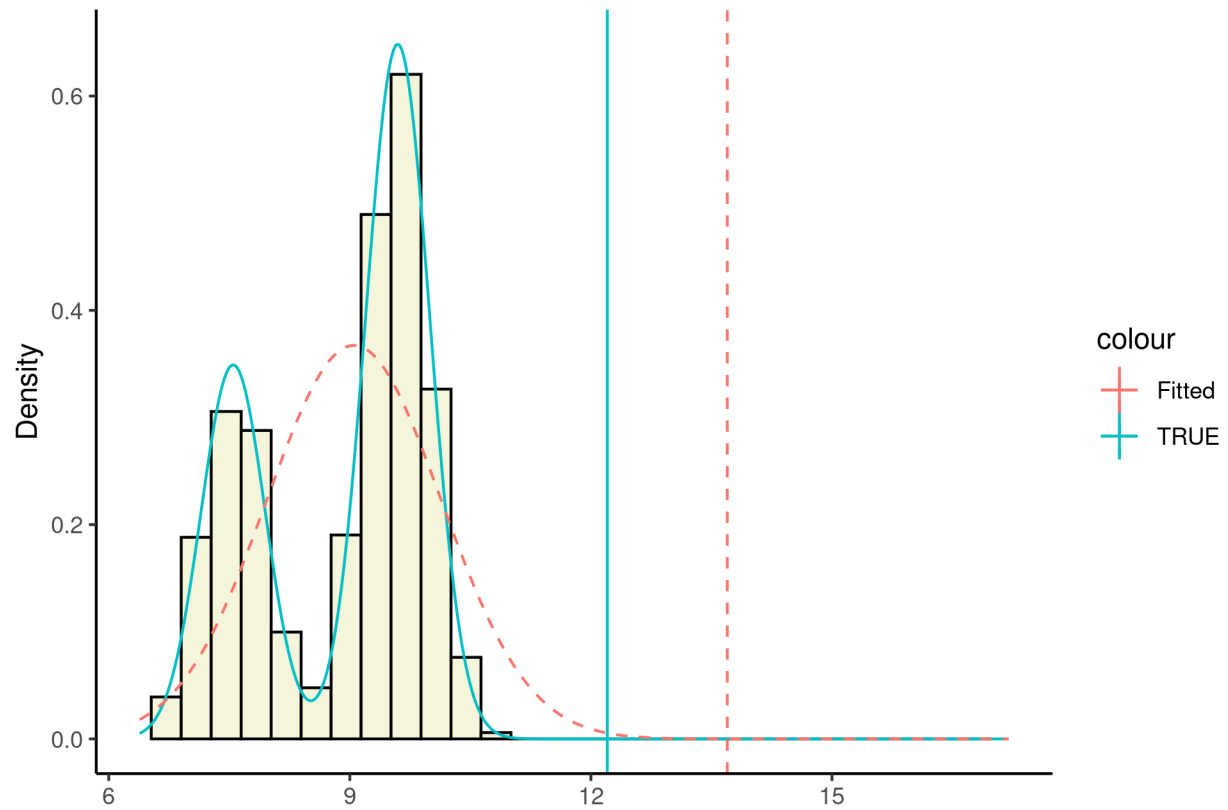
```
$u
```

	u1
1	12.2035

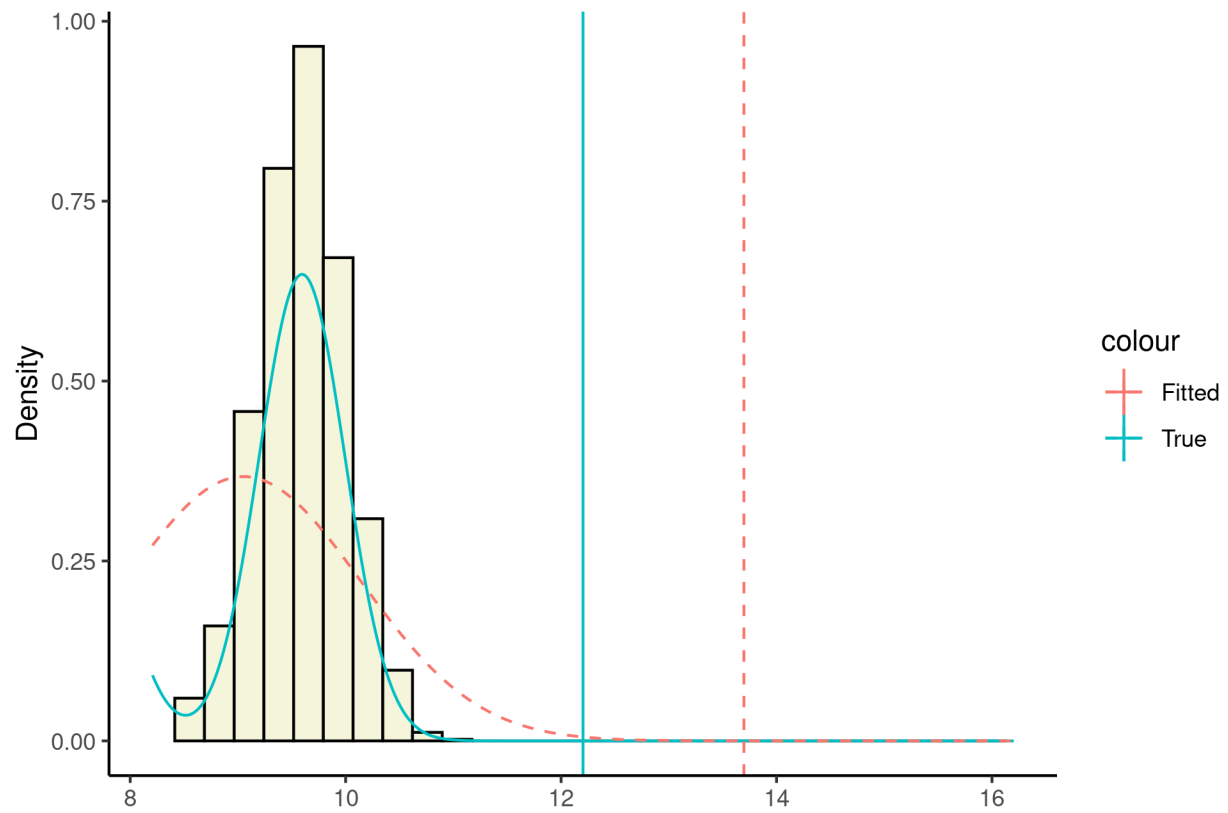
```
$sigma  
[1] 4
```

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

```
Final$Treatment$True_vs_Fitted
```



```
Final$Treatment$True_vs_Fitted_Zoomed
```



```
Final$Control$Mean_Int_Sq_error
```

```
[1] NaN
```

```
Final$Control$estimated
```

```
      mu      eta      u      sigma      xi
1 7.02406 0.978536 10.91904 2.743432 0.34252
```

```
Final$Control$True
```

```
$weights
```

```
[1] 0.55 0.45
```

```
$mu
```

```
[1] 6.321605 8.369341
```

```
$eta
```

```
[1] 0.3 0.3
```

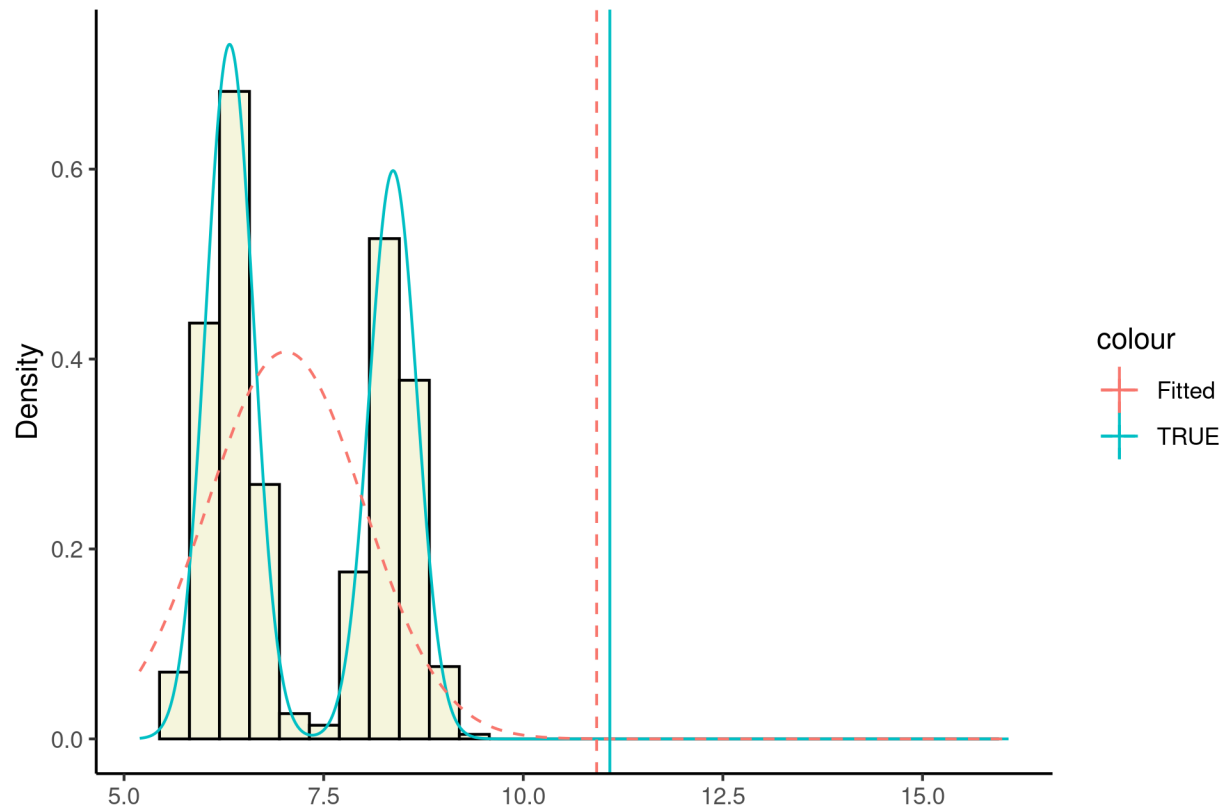
```
$u
```

```
      u0
11.08416
```

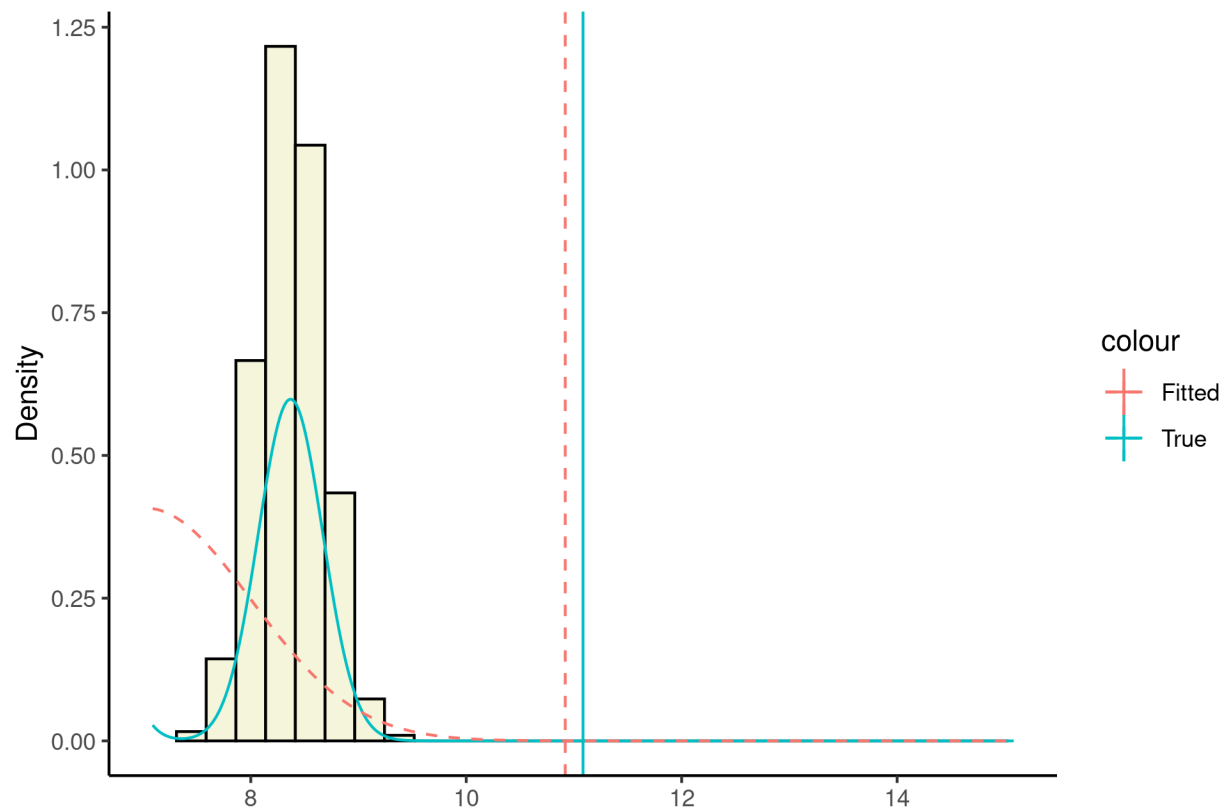
```
$sigma  
[1] 3
```

```
$xi  
[1] 0.4
```

```
Final$Control$True_vs_Fitted
```



```
Final$Control$True_vs_Fitted_Zoomed
```



[[1]]

	True	Estimated	Bias
Treated	6.773863	6.526155	0.2477081
Control	5.691112	4.751767	0.9393457
Treatment Effect	1.082751	1.774389	-0.6916375

[[2]]

	True	Estimated	Bias
Treated	7.113162	7.264261	-0.1510994
Control	5.926823	5.420453	0.5063696
Treatment Effect	1.186339	1.843808	-0.6574690

[[3]]

	True	Estimated	Bias
Treated	9.297995	9.057654	0.2403404
Control	6.703454	7.032124	-0.3286707
Treatment Effect	2.594541	2.025530	0.5690111

[[4]]

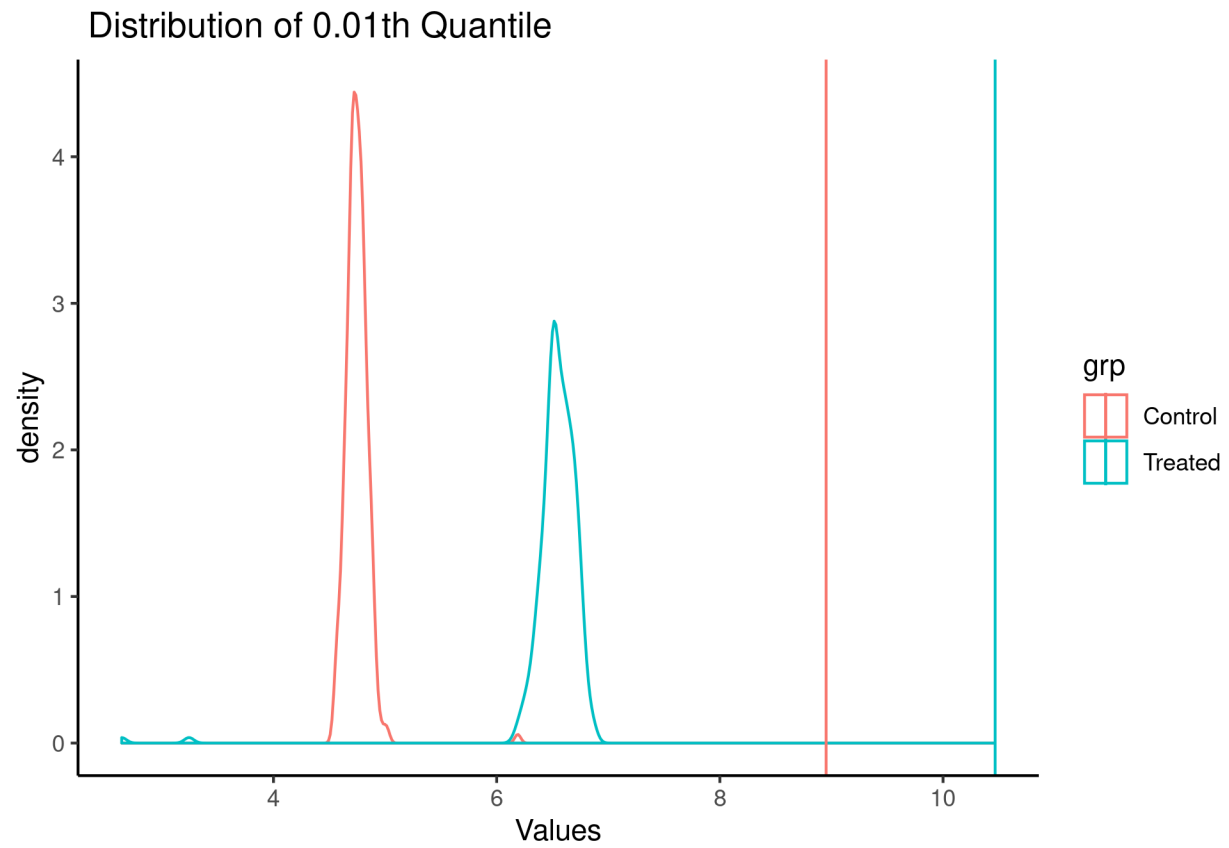
	True	Estimated	Bias
Treated	10.169067	10.915191	-0.74612461
Control	8.717604	8.649637	0.06796683
Treatment Effect	1.451463	2.265554	-0.81409145

[[5]]

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

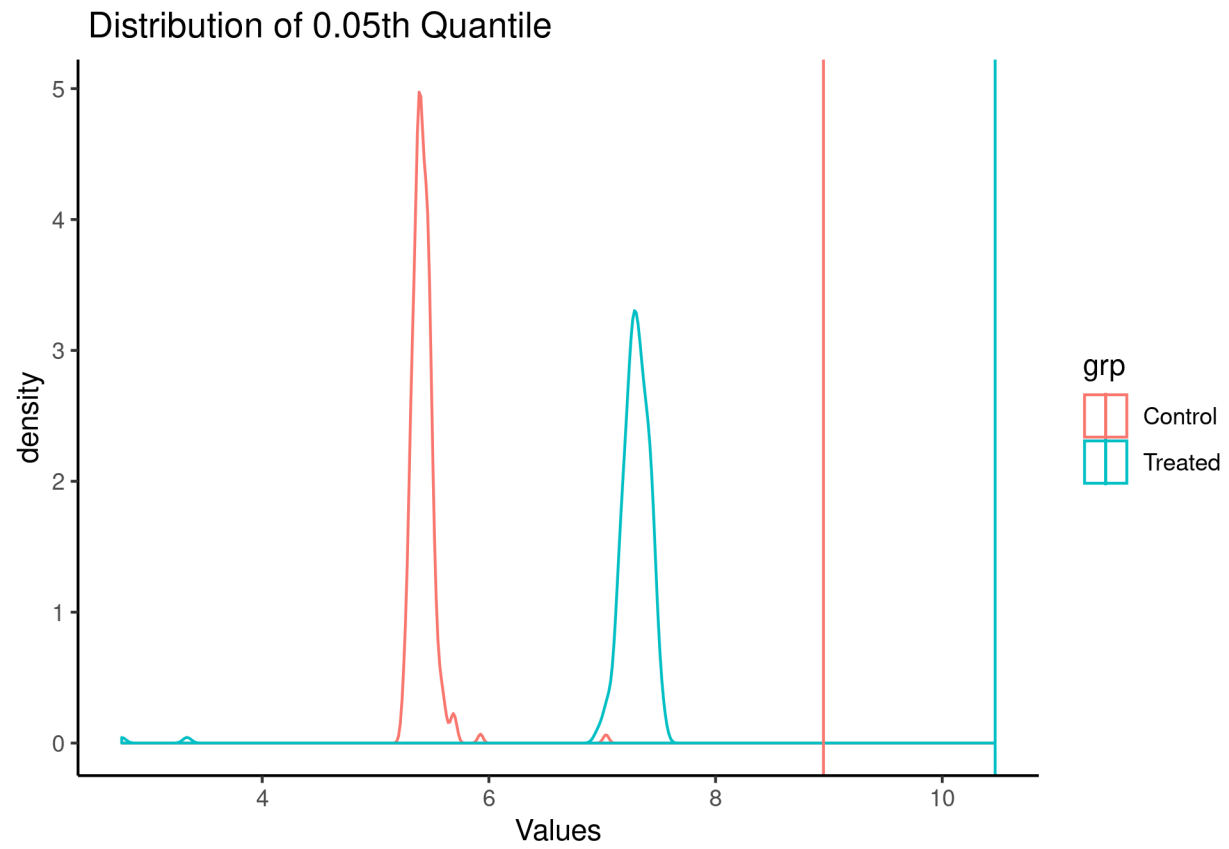
```
Treated      10.466656 11.787411 -1.3207549
Control       8.952089  9.341779 -0.3896898
Treatment Effect 1.514567  2.445632 -0.9310651
```

```
[[1]]
```

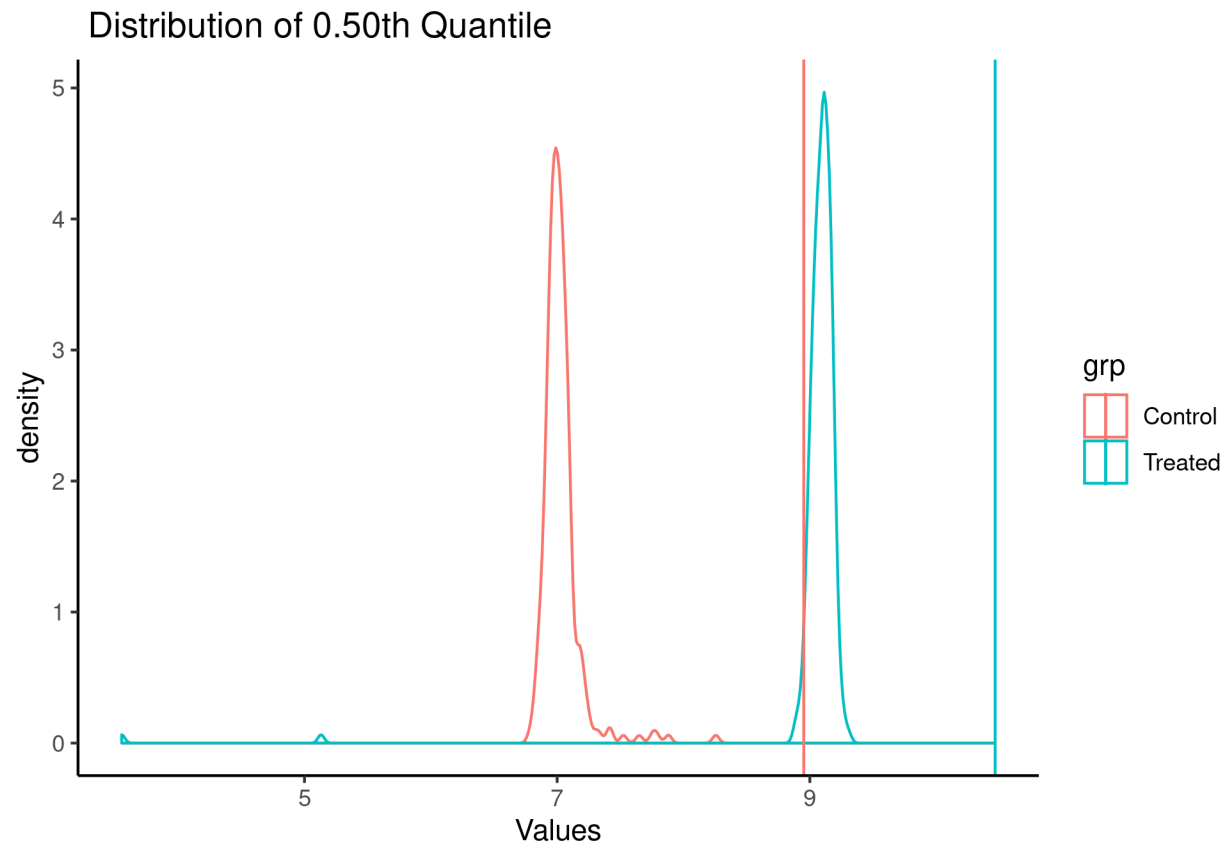


```
[[2]]
```

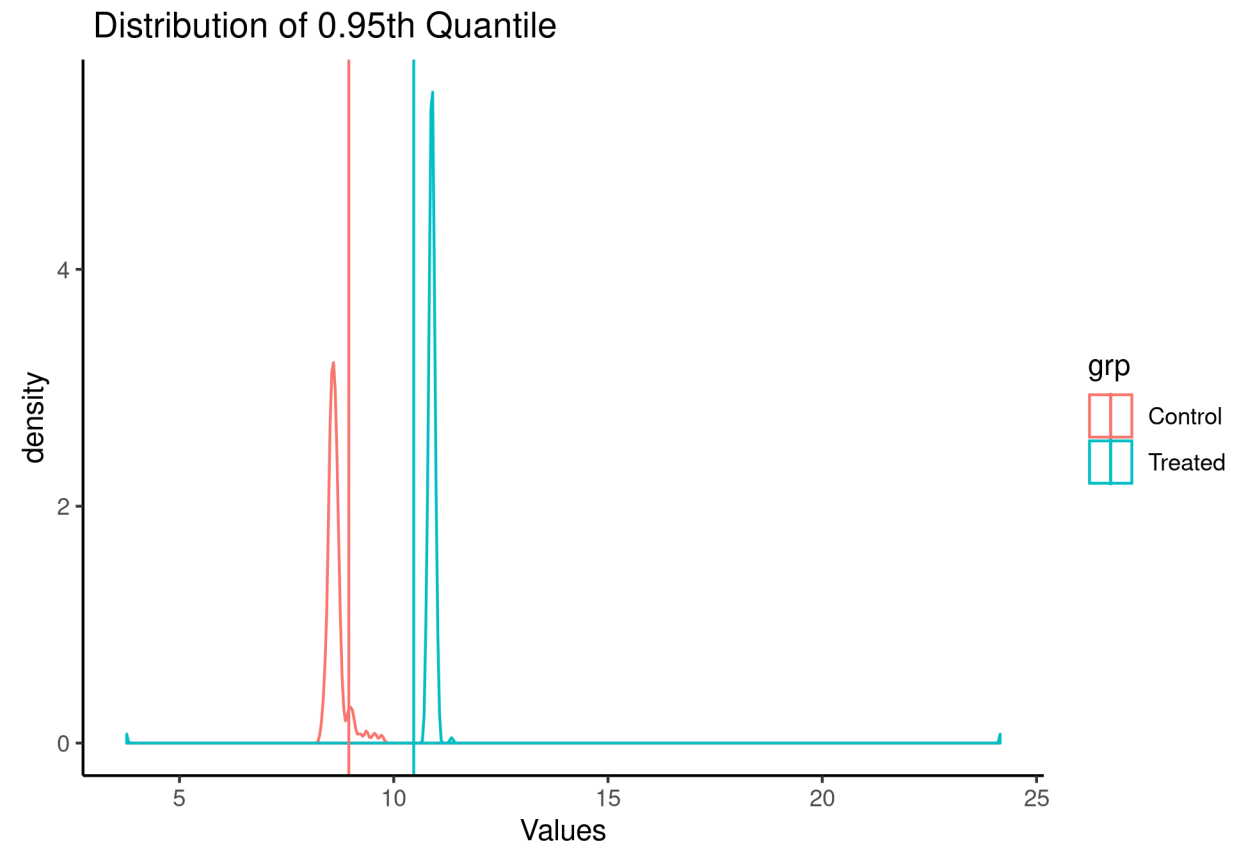




[[3]]



[[4]]



[[5]]

