

Mixture Model Quantile treatment effect

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```
Final$Treatment$Mean_Int_Sq_error
```

```
numeric(0)
```

```
Final$Treatment$estimated
```

```
$alpha
```

```
[1] 1.268835
```

```
$weights
```

```
[1] 0.5928193 0.4071807
```

```
$mu
```

```
[1] 9.670352 7.551661
```

```
$eta
```

```
[1] 0.2818795 0.2999598
```

```
$u
```

```
[1] 12.21627
```

```
$sigma
```

```
[1] 3.62059
```

```
$xi
```

```
[1] 0.2960683
```

```
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
```

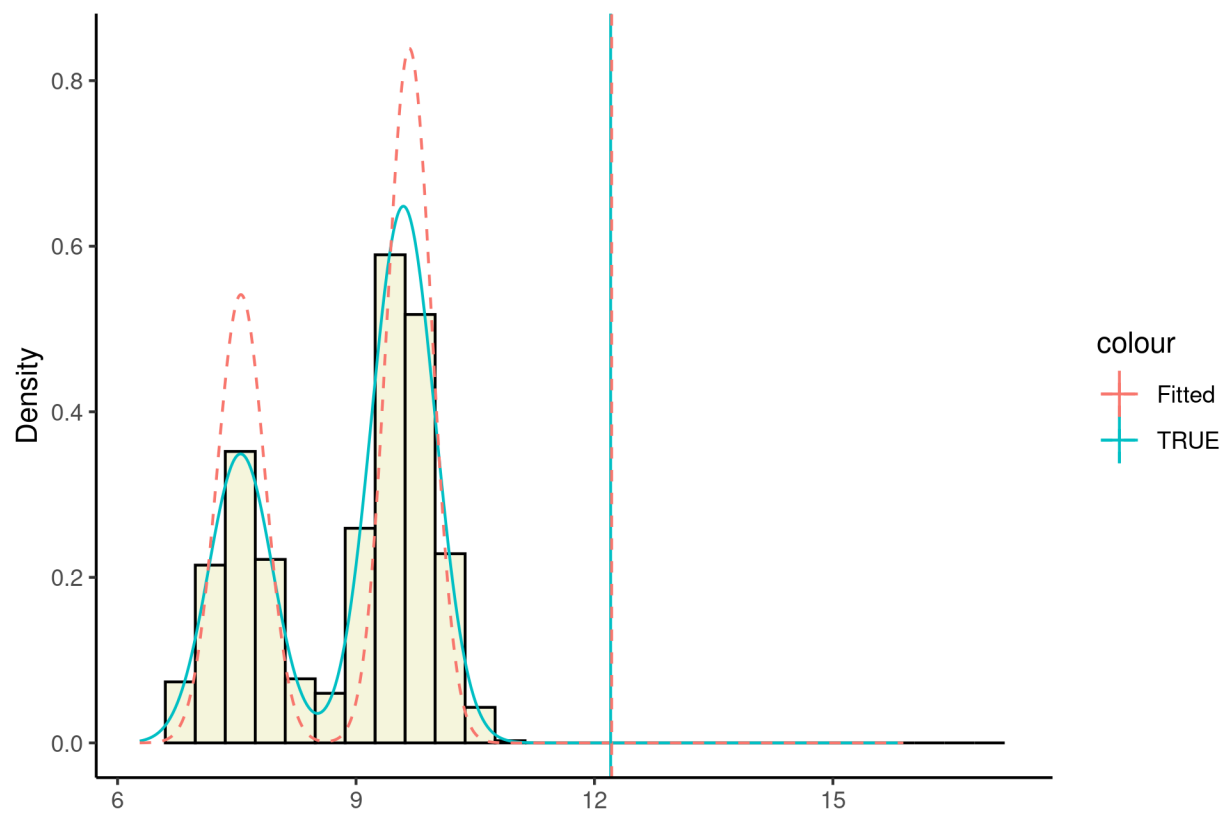
```
$sigma  
[1] 4
```

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

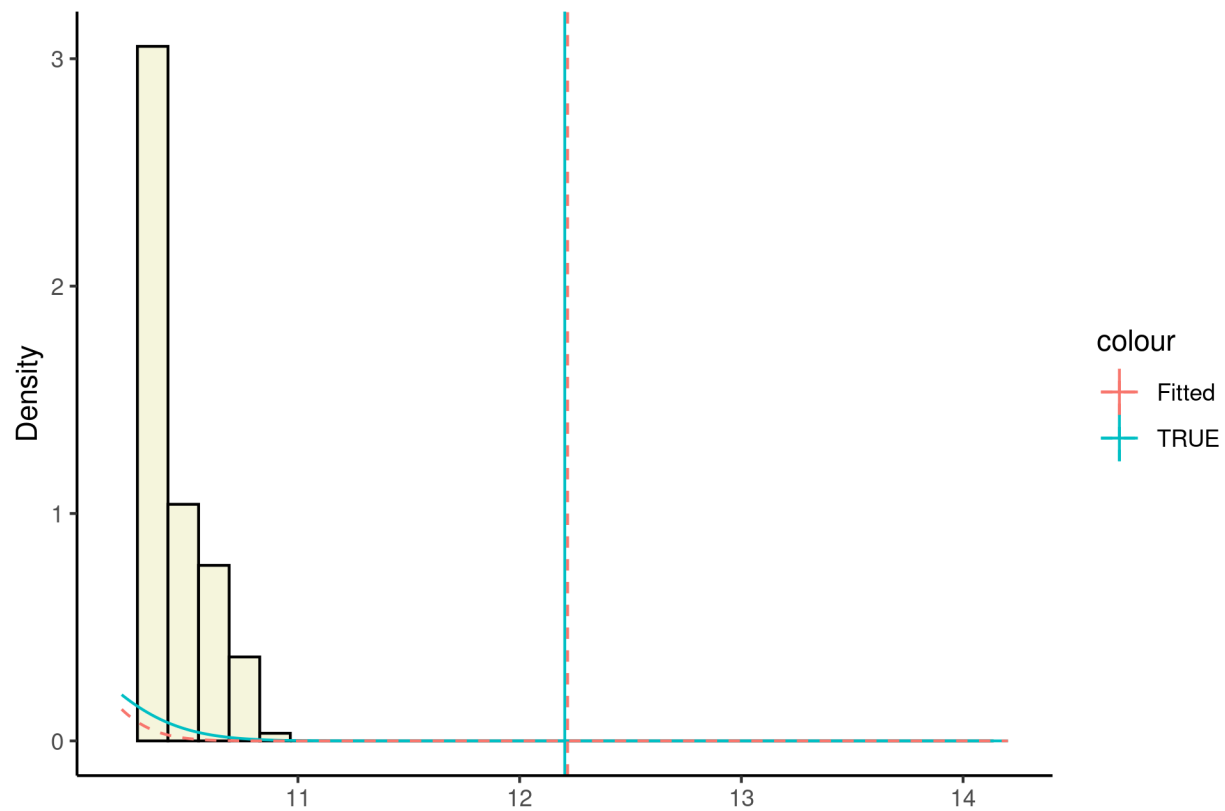
```
Final$Treatment$used_iteration
```

```
[1] 249
```

```
Final$Treatment$True_vs_Fitted
```



```
Final$Treatment$True_vs_Fitted_Zoomed
```



```
Final$Control$Mean_Int_Sq_error
```

```
numeric(0)
```

```
Final$Control$estimated
```

```
$alpha
[1] 1.473258
```

```
$weights
[1] 0.5413306 0.4586694
```

```
$mu
[1] 6.259597 7.851504
```

```
$eta
[1] 0.1558871 0.1730444
```

```
$u
[1] 10.79899
```

```
$sigma
[1] 4.118875
```

```
$xi
```

```
[1] 0.3926653
```

```
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
```

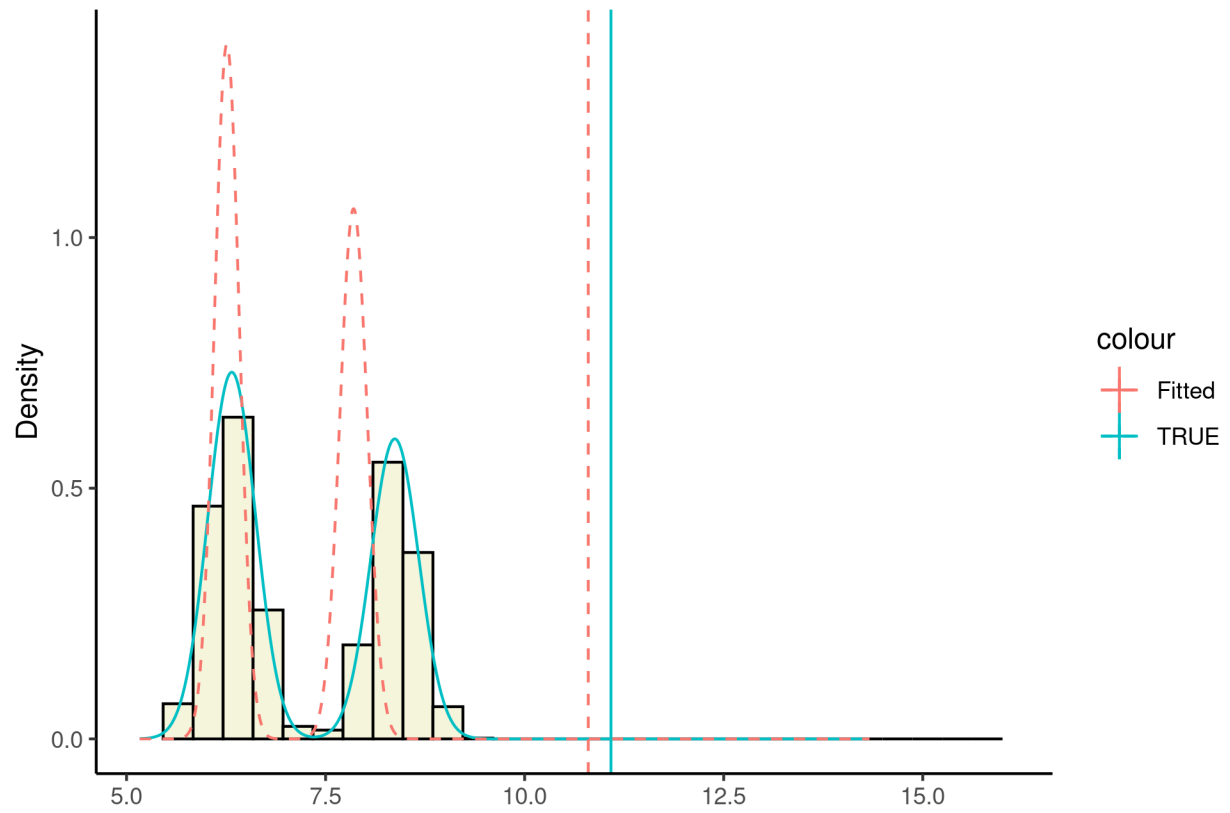
```
$xi
```

```
[1] 0.4
```

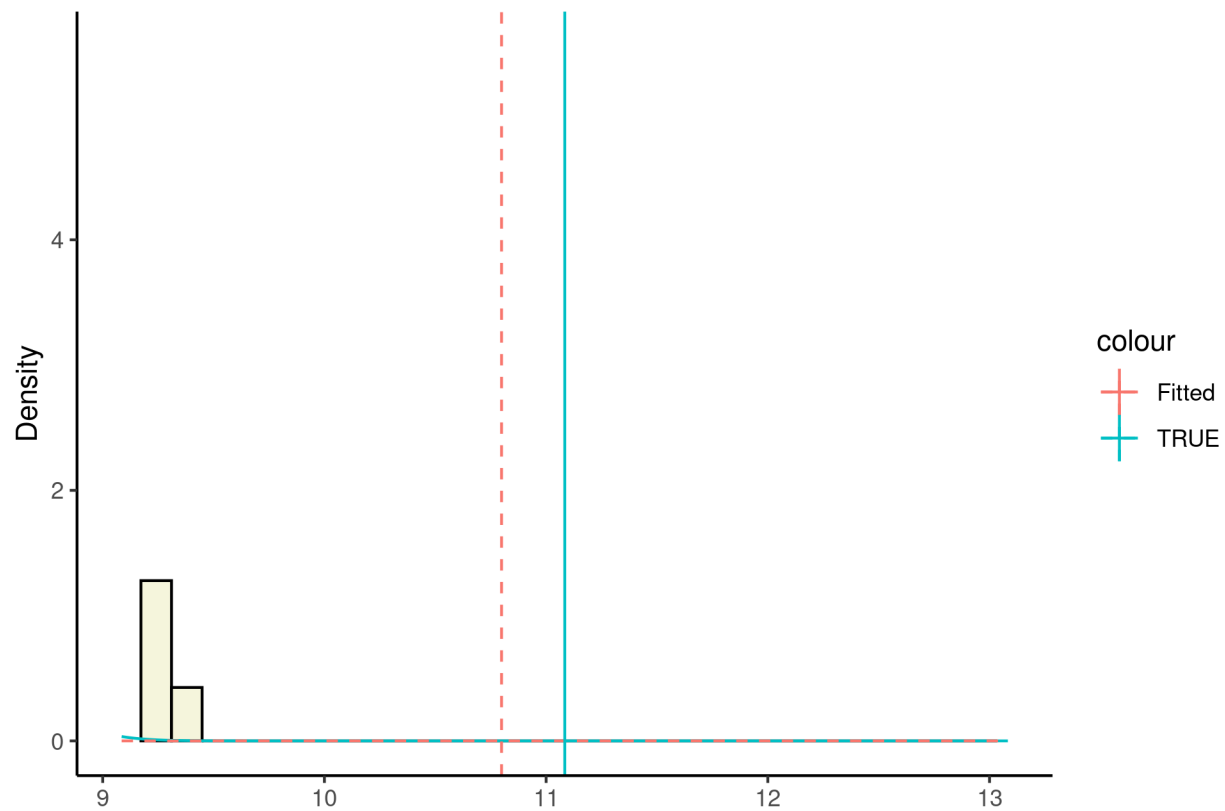
```
Final$Control$used_iteration
```

```
[1] 248
```

```
Final$Control$True_vs_Fitted
```



Final\$Control\$True_vs_Fitted_Zoomed



[[1]]

	True	Estimated	Bias	std_error
Treated	6.788786	6.832349	-0.04356262	1.1759487
Control	5.679659	5.736717	-0.05705781	0.5766869
Treatment Effect	1.109127	1.095632	0.01349518	1.3336461

[[2]]

	True	Estimated	Bias	std_error
Treated	7.122878	7.177018	-0.05414005	0.9411512
Control	5.913973	5.882251	0.03172111	0.3706720
Treatment Effect	1.208905	1.294766	-0.08586116	1.0234585

[[3]]

	True	Estimated	Bias	std_error
Treated	9.327649	9.473724	-0.1460745	0.7132365
Control	6.733076	6.455754	0.2773216	0.4071391
Treatment Effect	2.594574	3.017970	-0.4233961	0.8301977

[[4]]

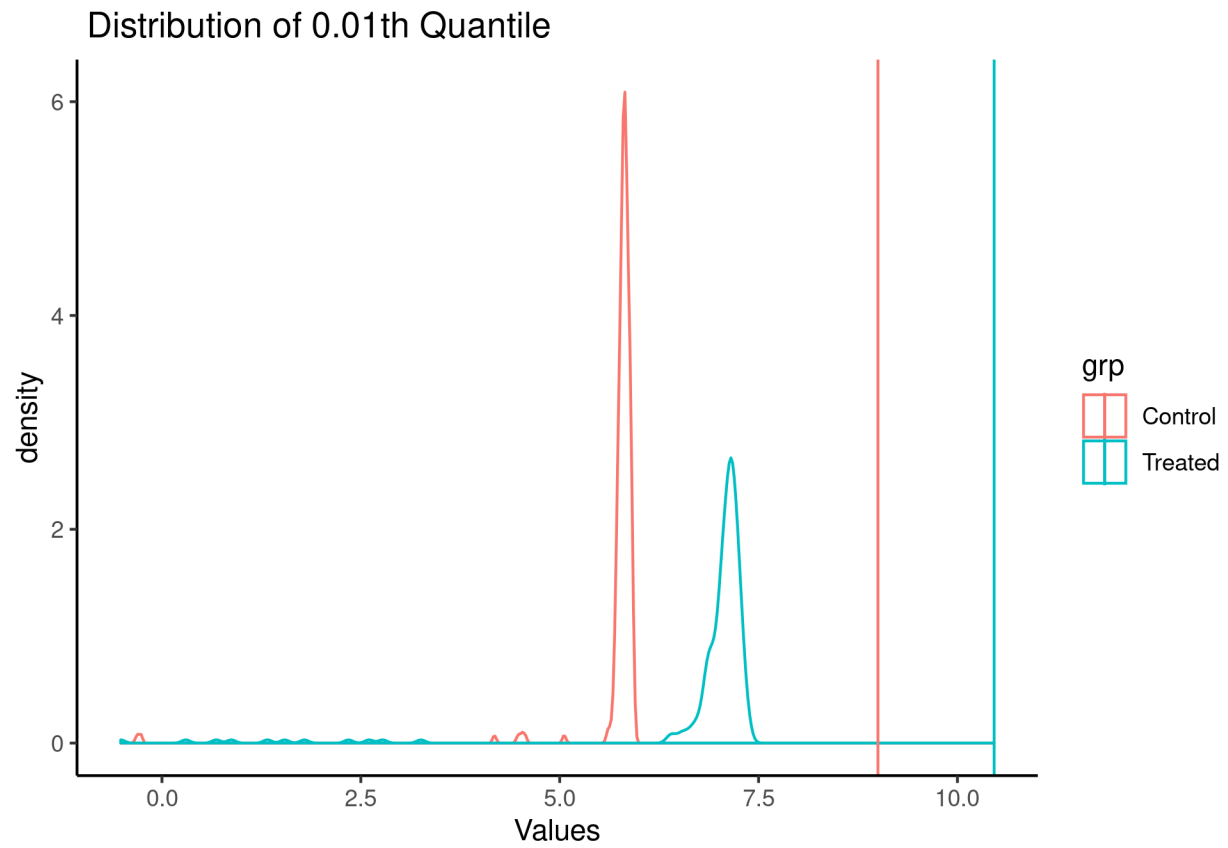
	True	Estimated	Bias	std_error
Treated	10.175351	10.333396	-0.1580448	0.6749624
Control	8.740644	8.356931	0.3837127	0.6983080
Treatment Effect	1.434707	1.976464	-0.5417575	0.9784190

[[5]]

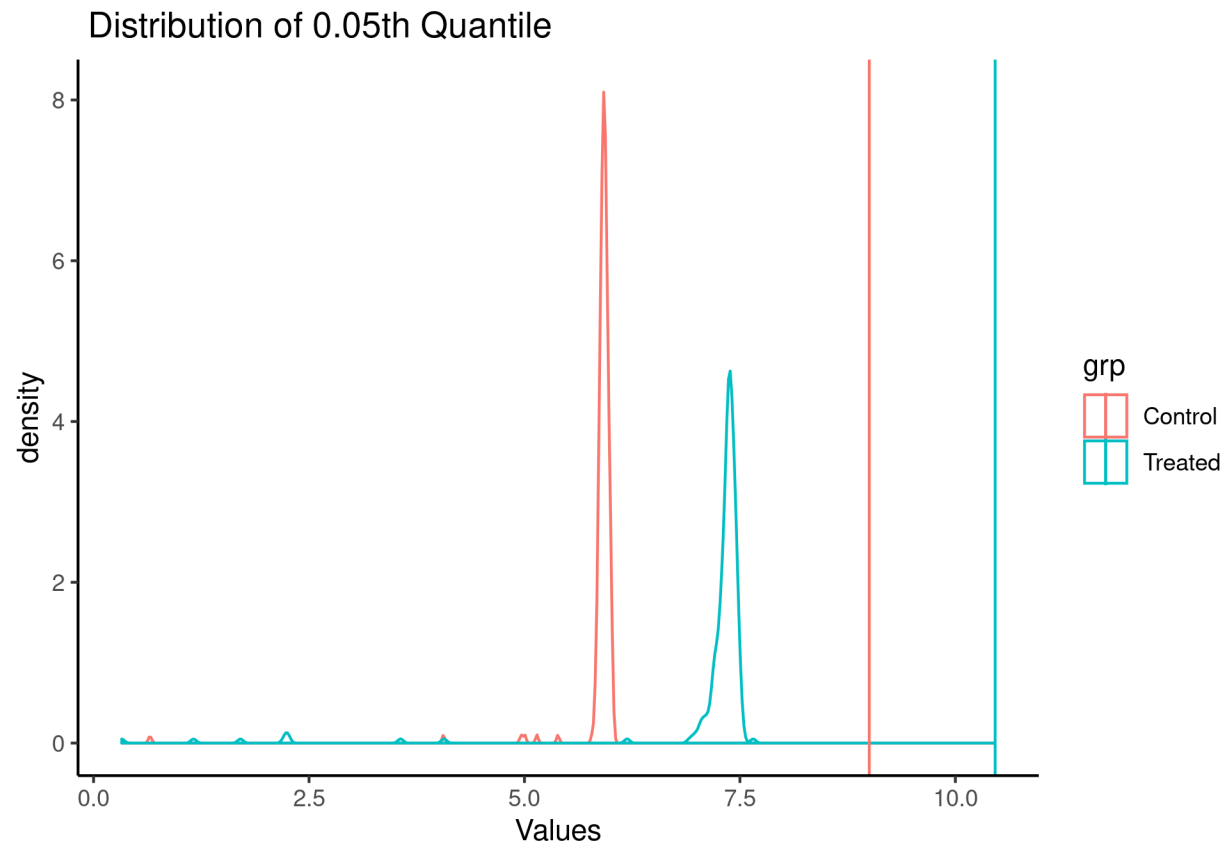
	True	Estimated	Bias	std_error
--	------	-----------	------	-----------

Treated	10.461332	10.840195	-0.3788629	1.855065
Control	9.000788	8.671015	0.3297727	1.754515
Treatment Effect	1.460544	2.169180	-0.7086356	2.586733

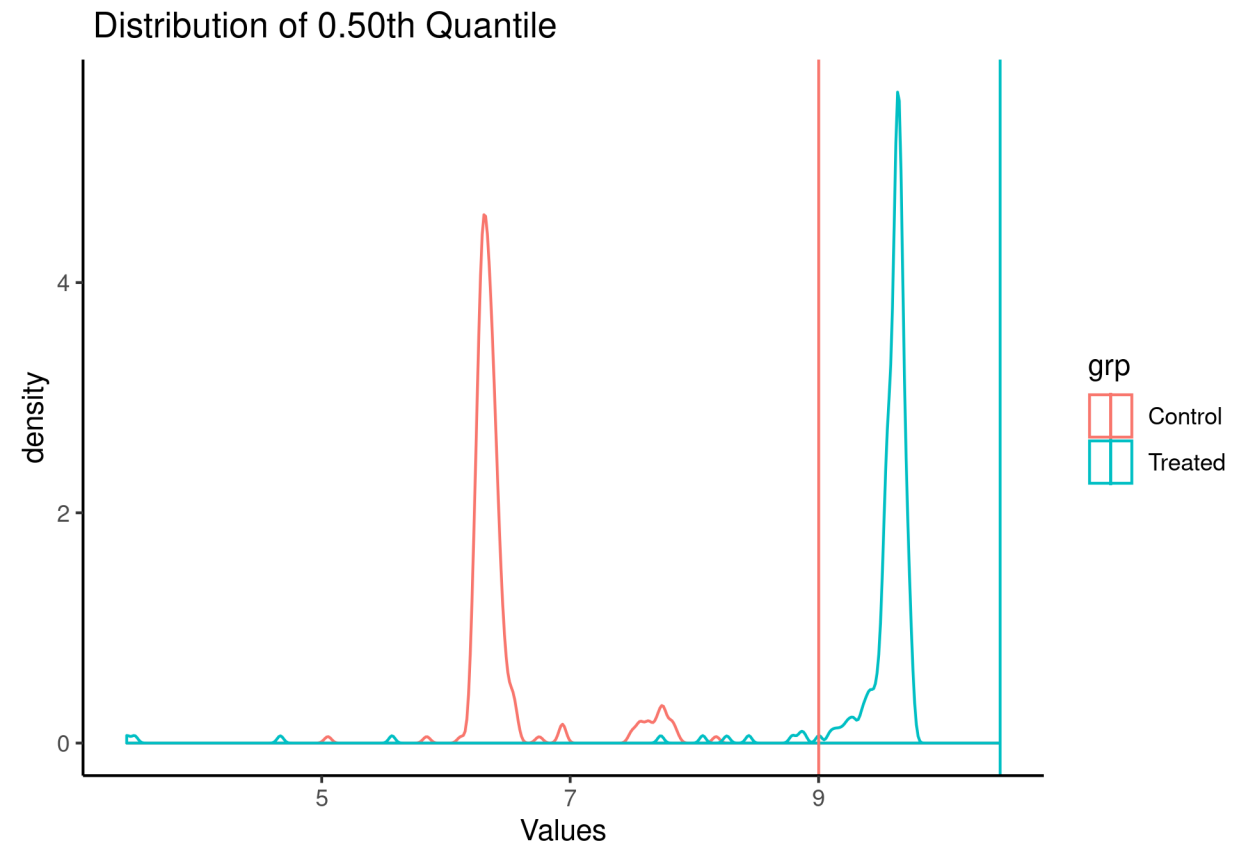
[[1]]



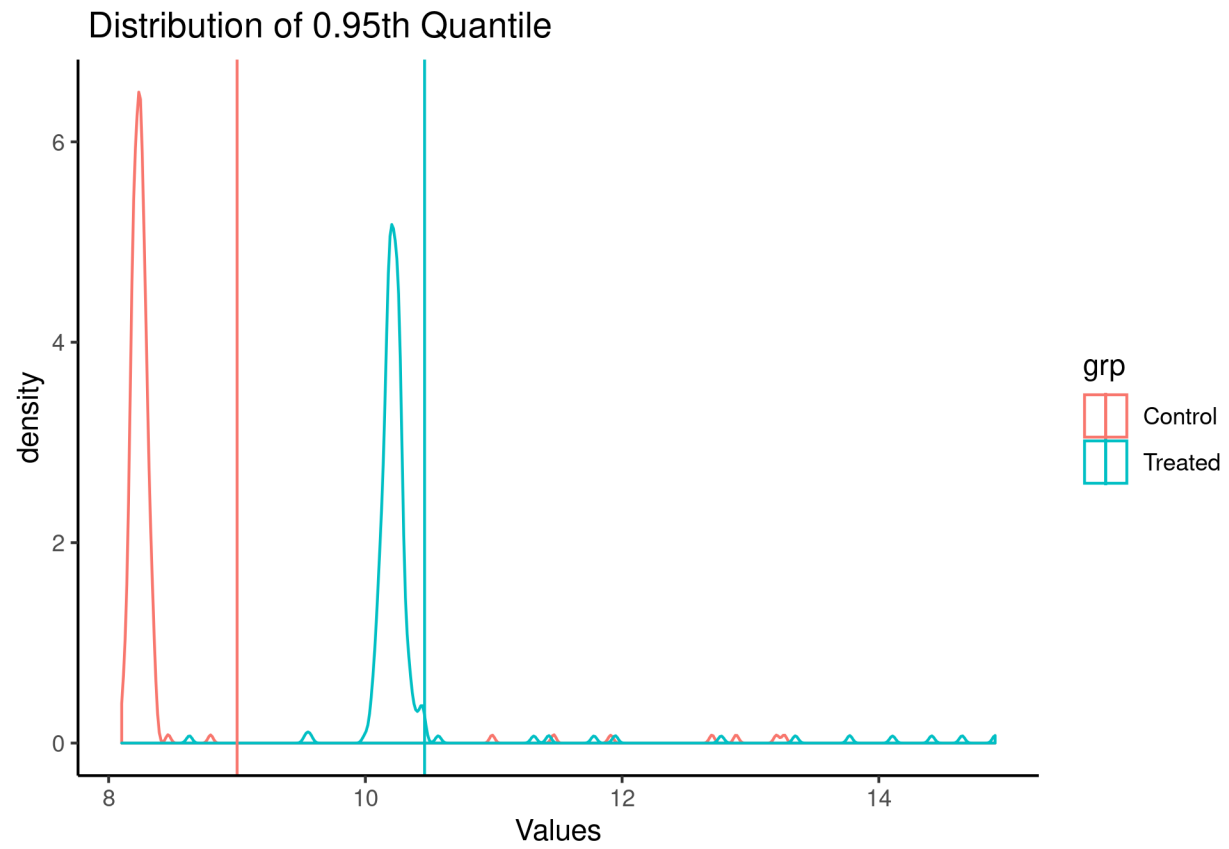
[[2]]



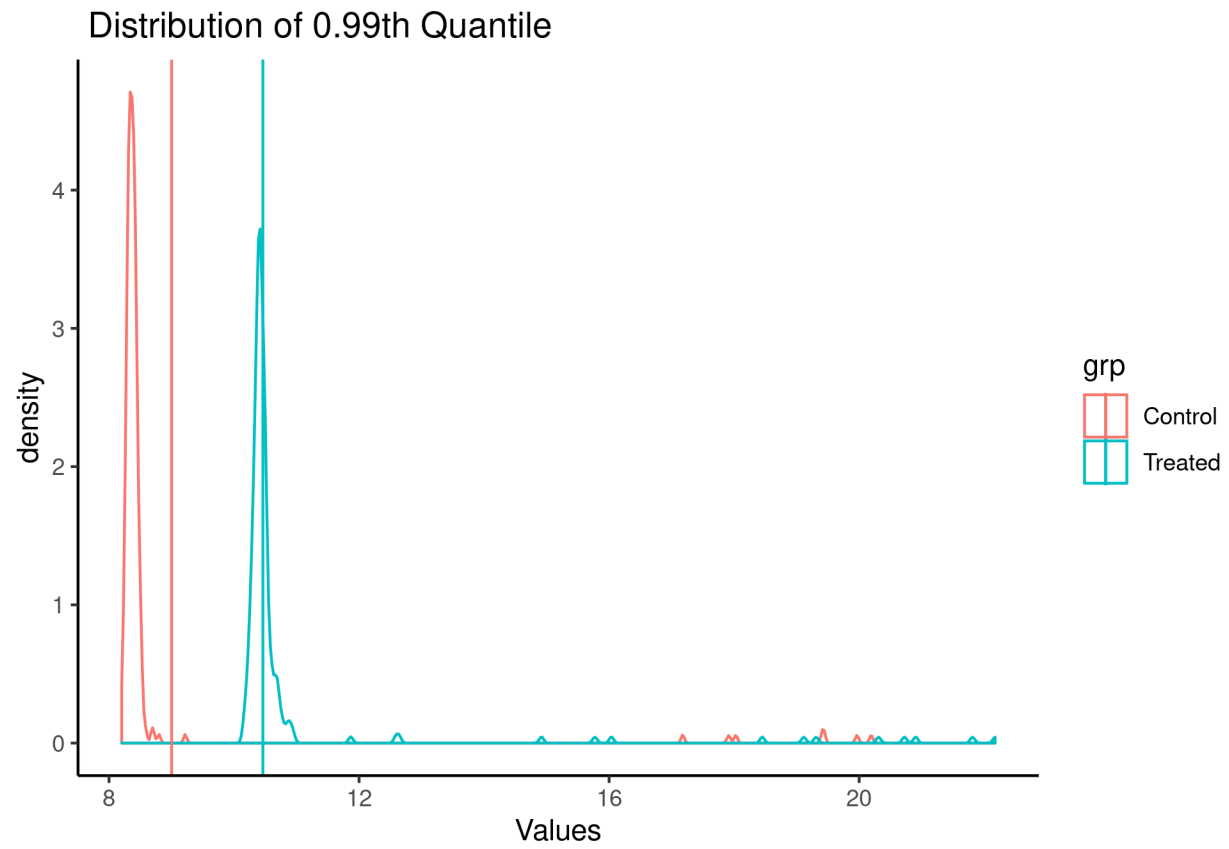
[[3]]



[[4]]



[[5]]



Time difference of 1.308102 hours