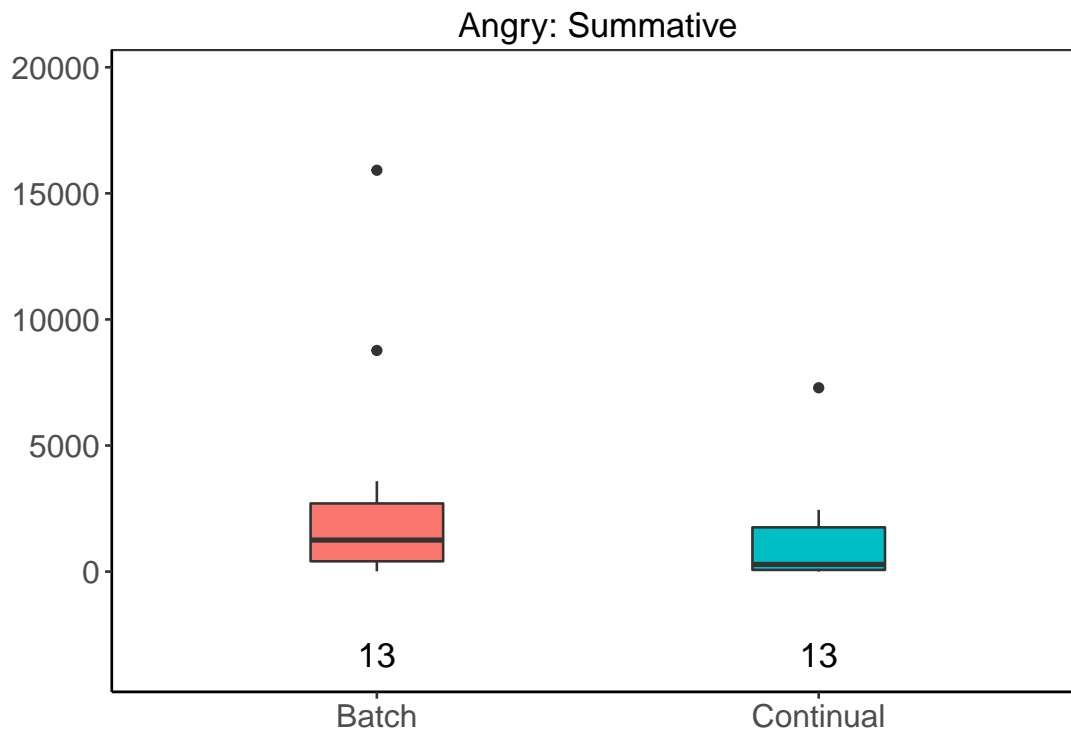
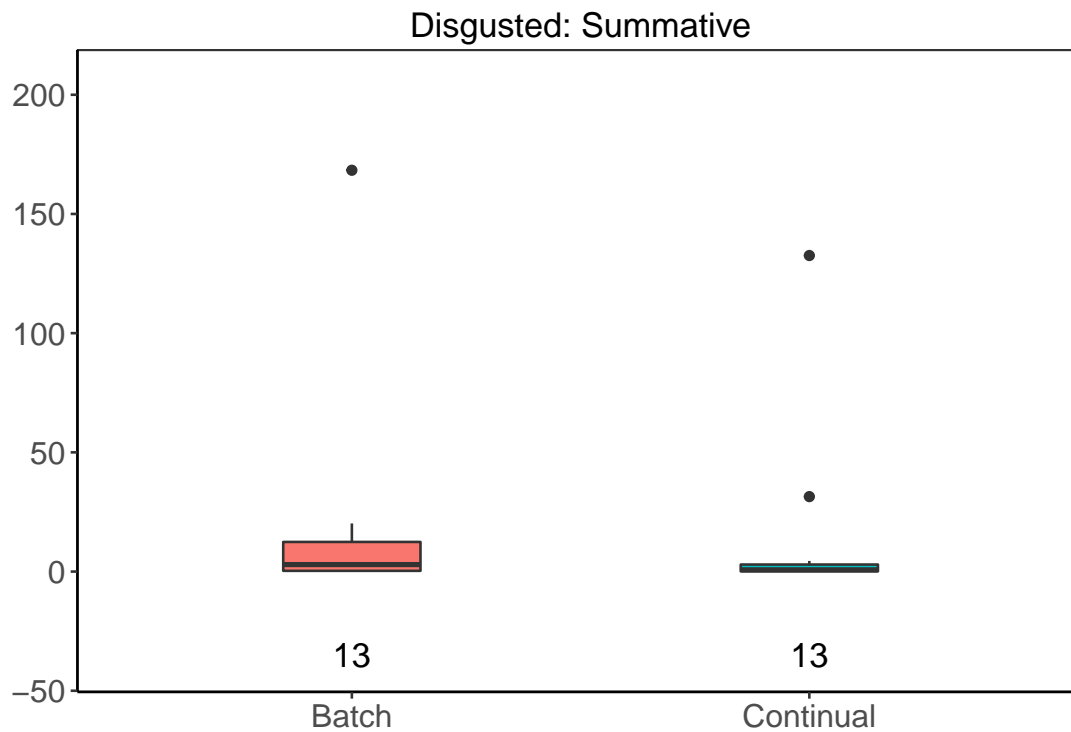


Facs Data - Test

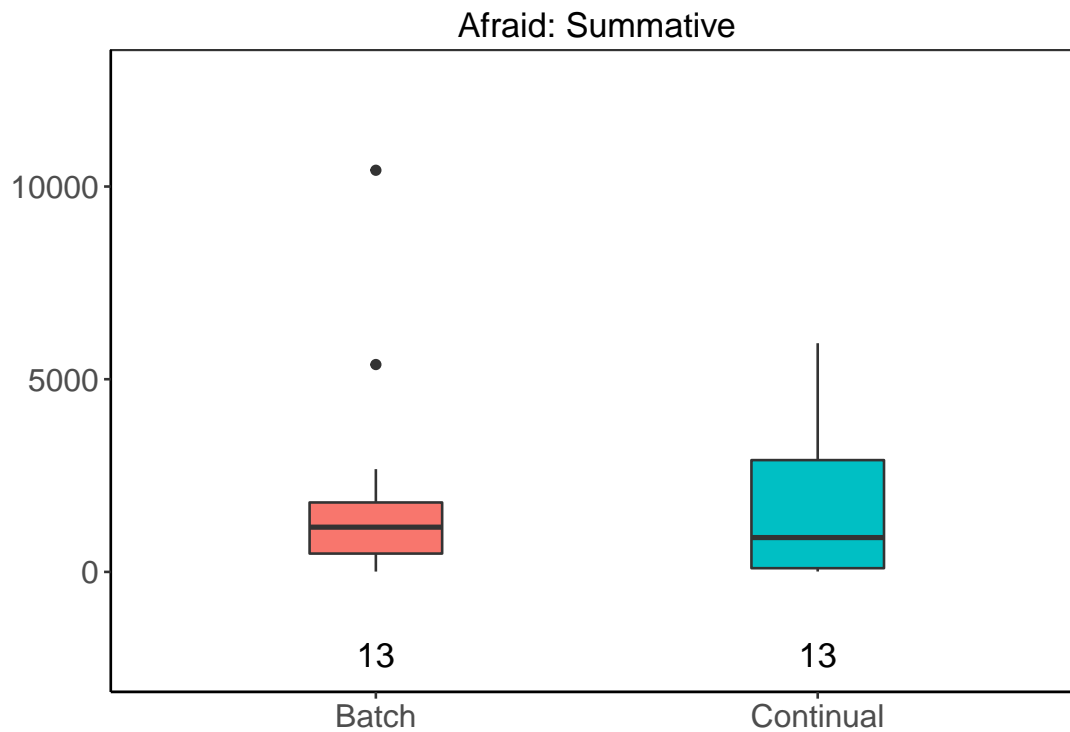
Summative Result - Comparison



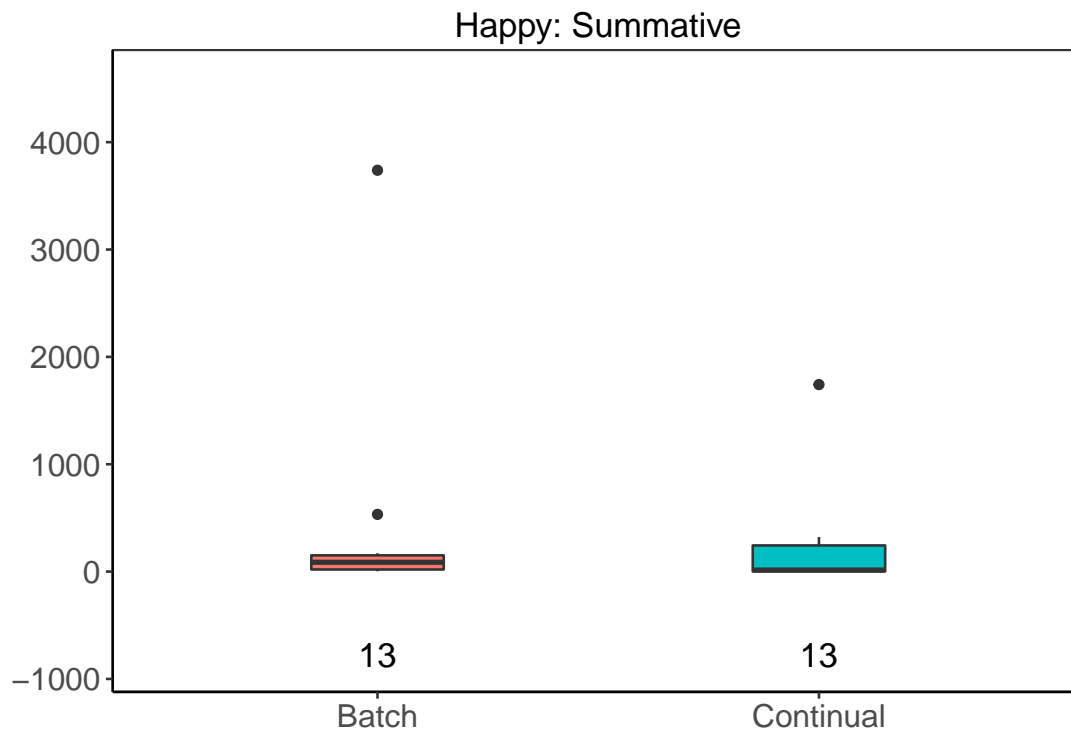
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 1.6299, df = 21.828, p-value = 0.1175
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3979749 3.3136478
## sample estimates:
## mean of x mean of y
## 6.889827 5.431991
```



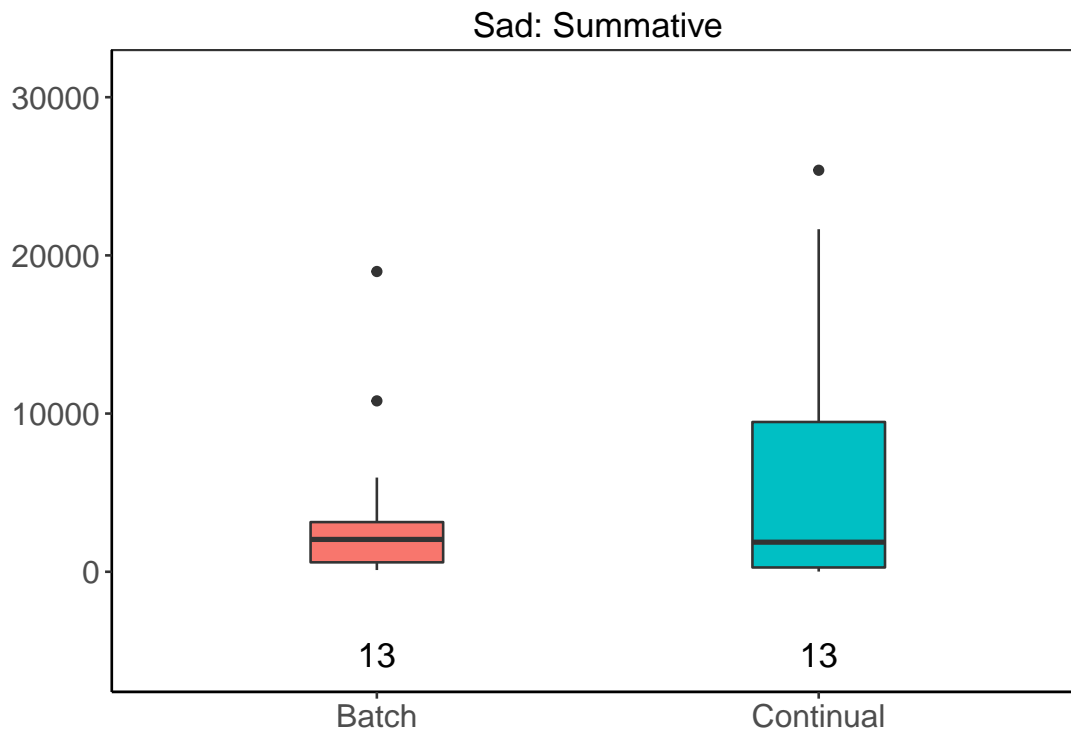
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 1.1529, df = 22.622, p-value = 0.261
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.453797 5.107044
## sample estimates:
## mean of x mean of y
## 0.2109121 -1.6157111
```



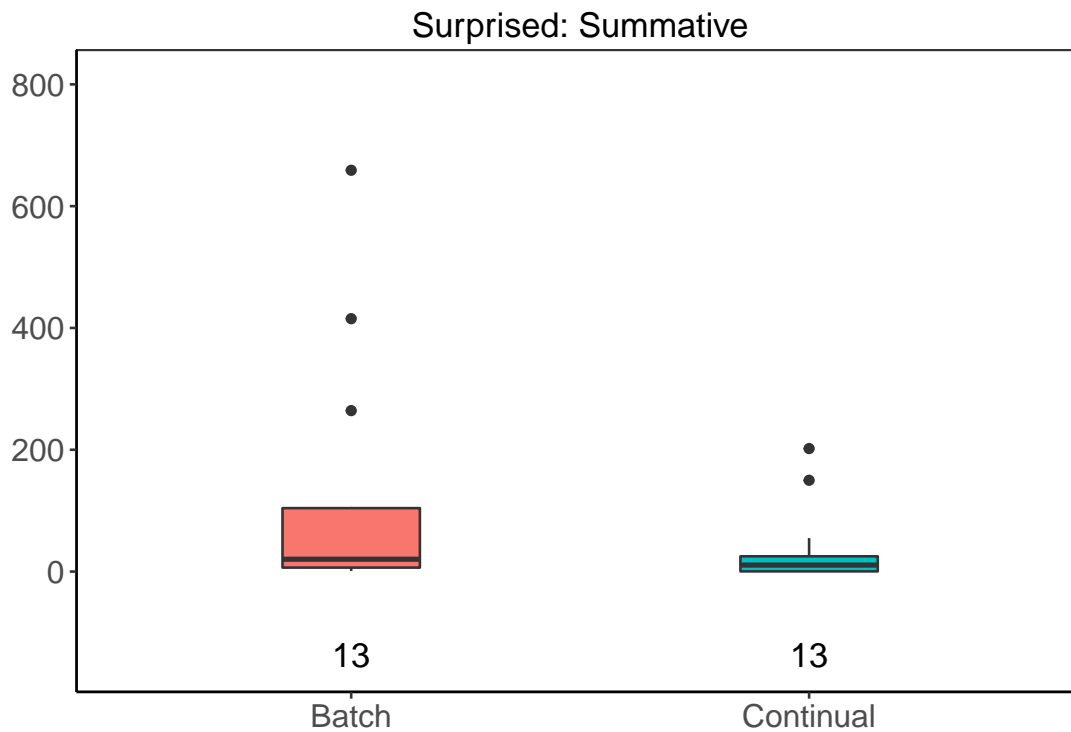
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.66306, df = 22.918, p-value = 0.5139
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.101524 2.140470
## sample estimates:
## mean of x mean of y
## 6.688310 6.168837
```



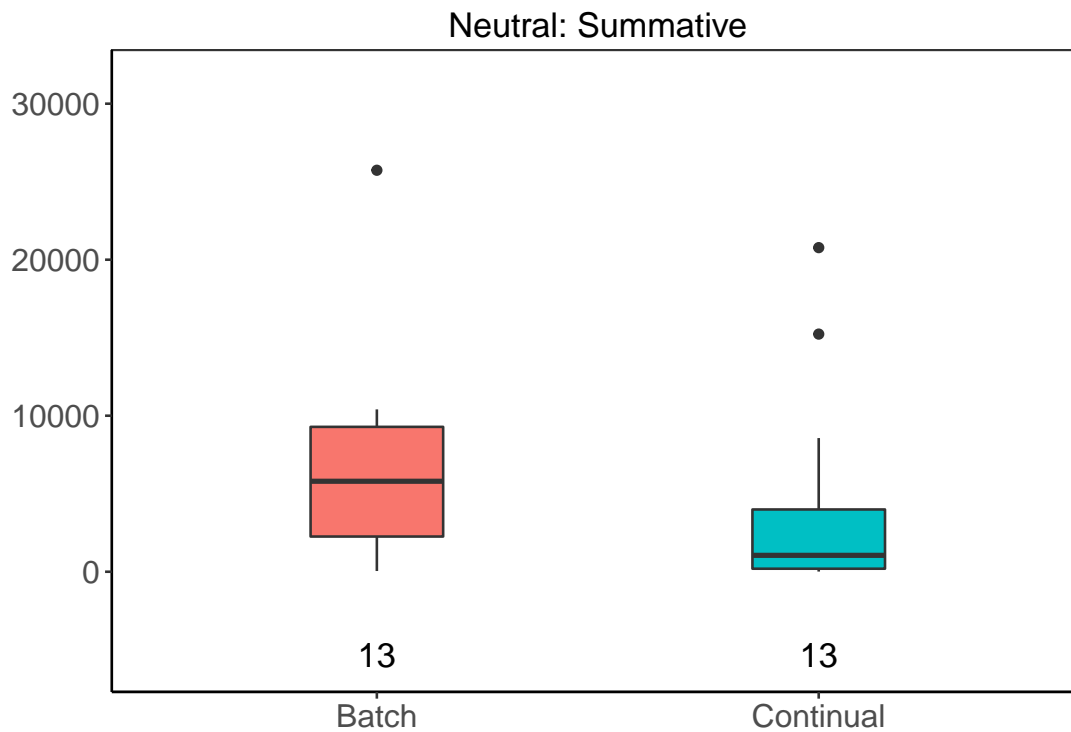
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 1.438, df = 20.2, p-value = 0.1657
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.652234 3.553075
## sample estimates:
## mean of x mean of y
## 4.182992 2.732572
```



```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.48232, df = 19.235, p-value = 0.635
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.338975 2.141734
## sample estimates:
## mean of x mean of y
## 7.421343 7.019963
```

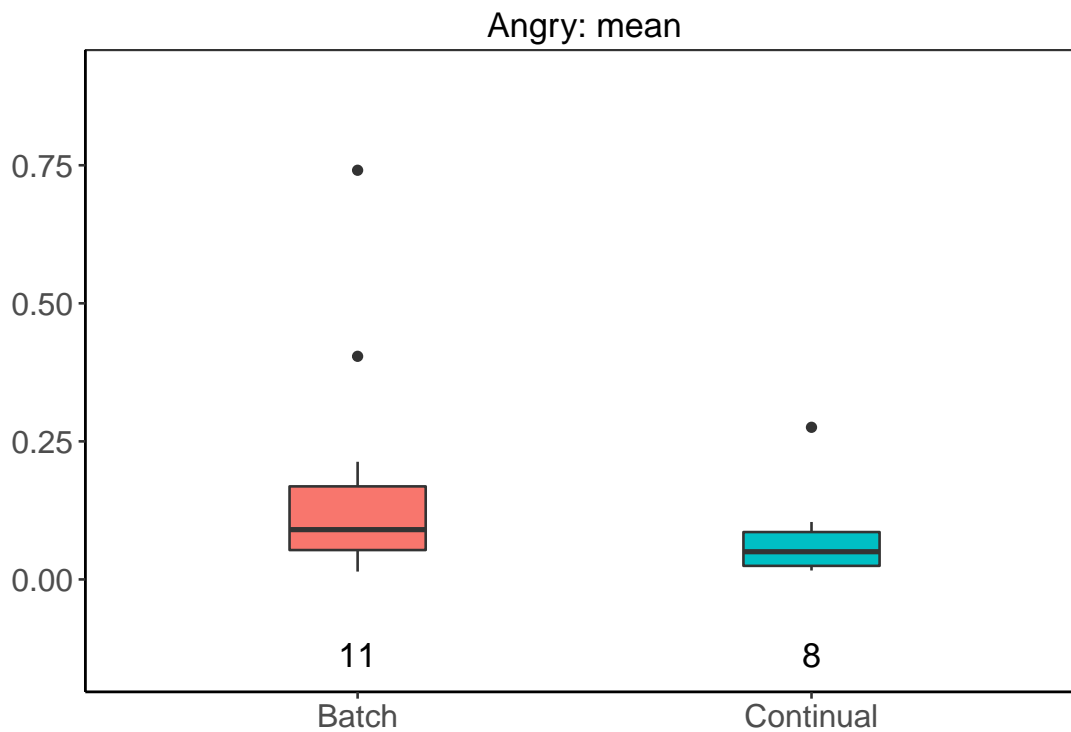


```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 1.6606, df = 20.78, p-value = 0.1118
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.464145 4.130975
## sample estimates:
## mean of x mean of y
## 3.140422 1.307007
```

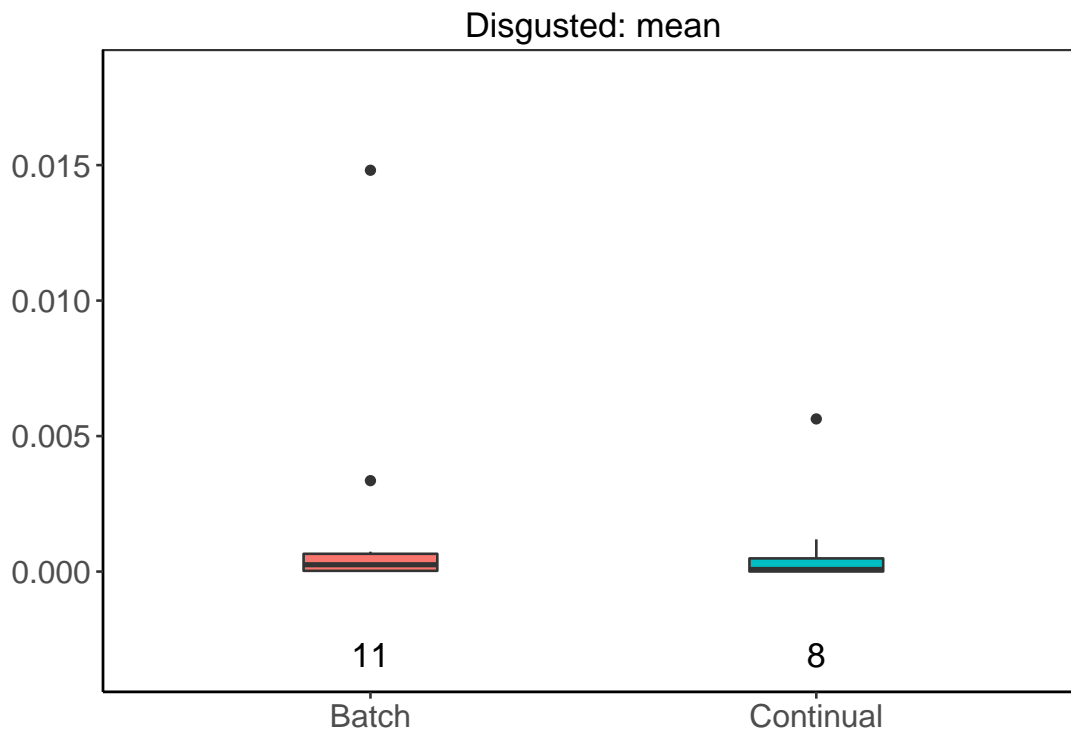



```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: batch_data and continual_data
## W = 118, p-value = 0.09085
## alternative hypothesis: true location shift is not equal to 0
```

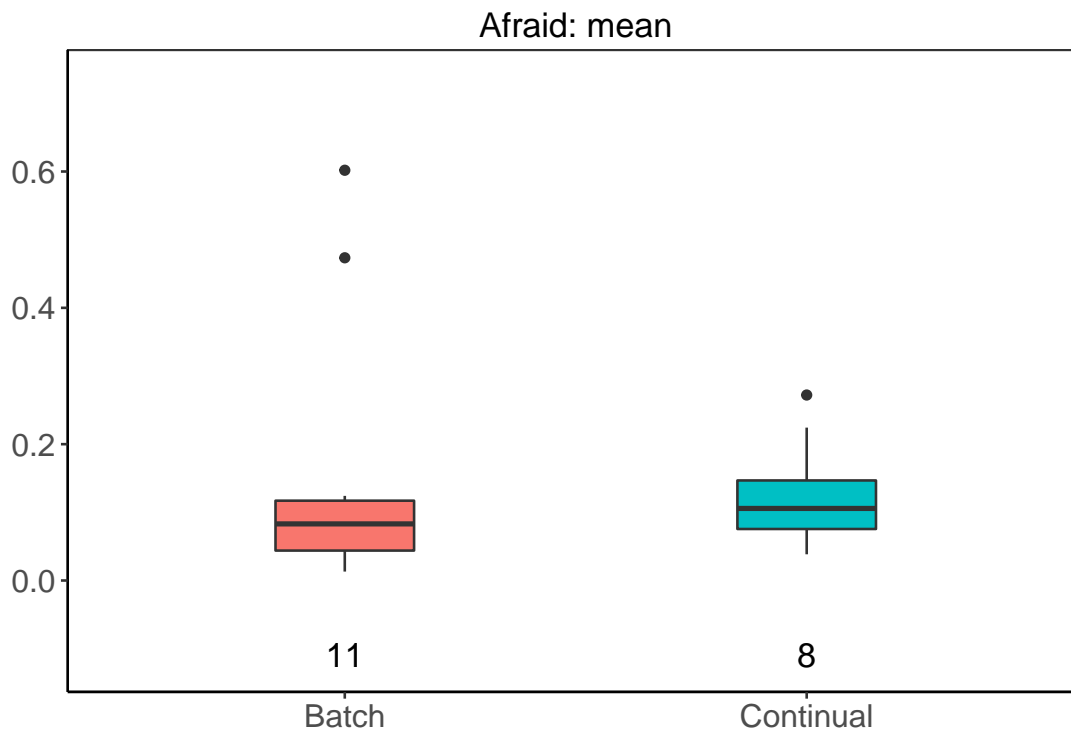
Mean Result - Comparison



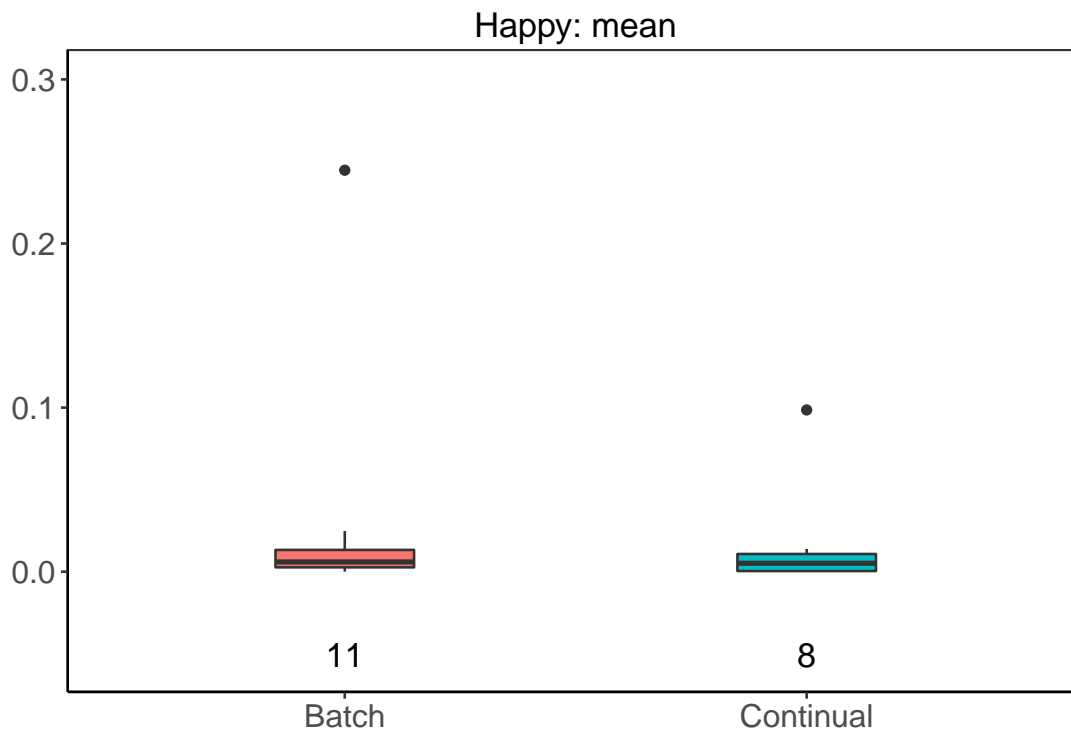
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 1.4543, df = 16.359, p-value = 0.1648
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3094014 1.6691460
## sample estimates:
## mean of x mean of y
## -2.291074 -2.970947
```



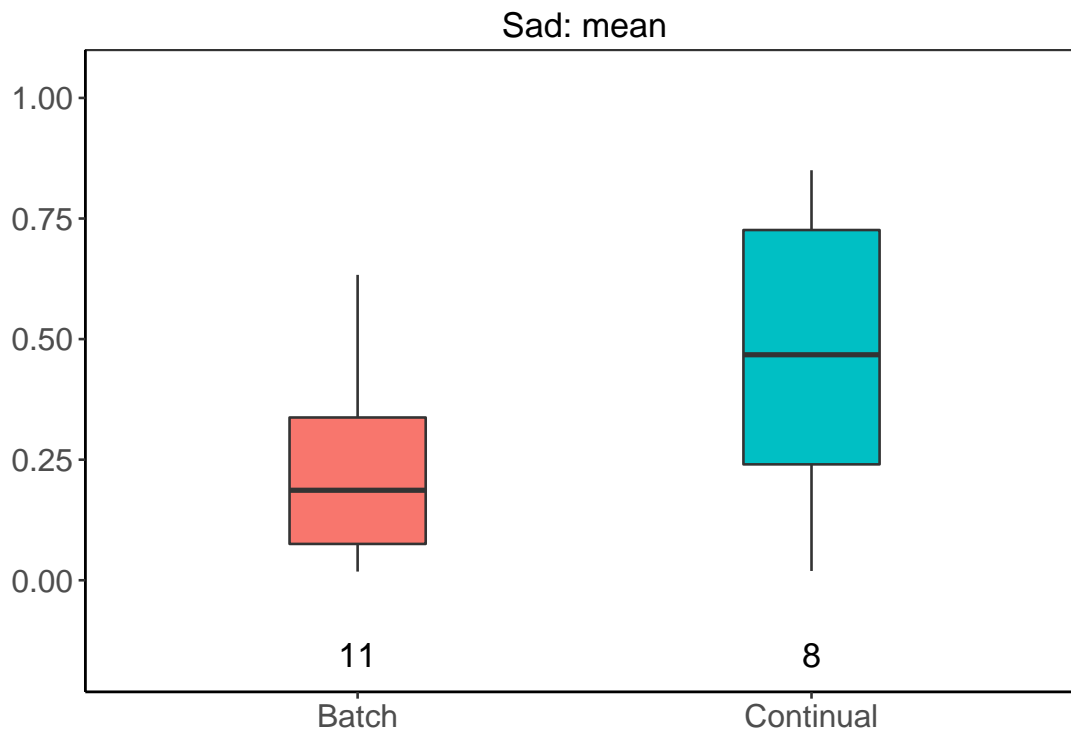
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.97531, df = 13.242, p-value = 0.3469
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.598391 4.238276
## sample estimates:
## mean of x mean of y
## -8.557418 -9.877361
```



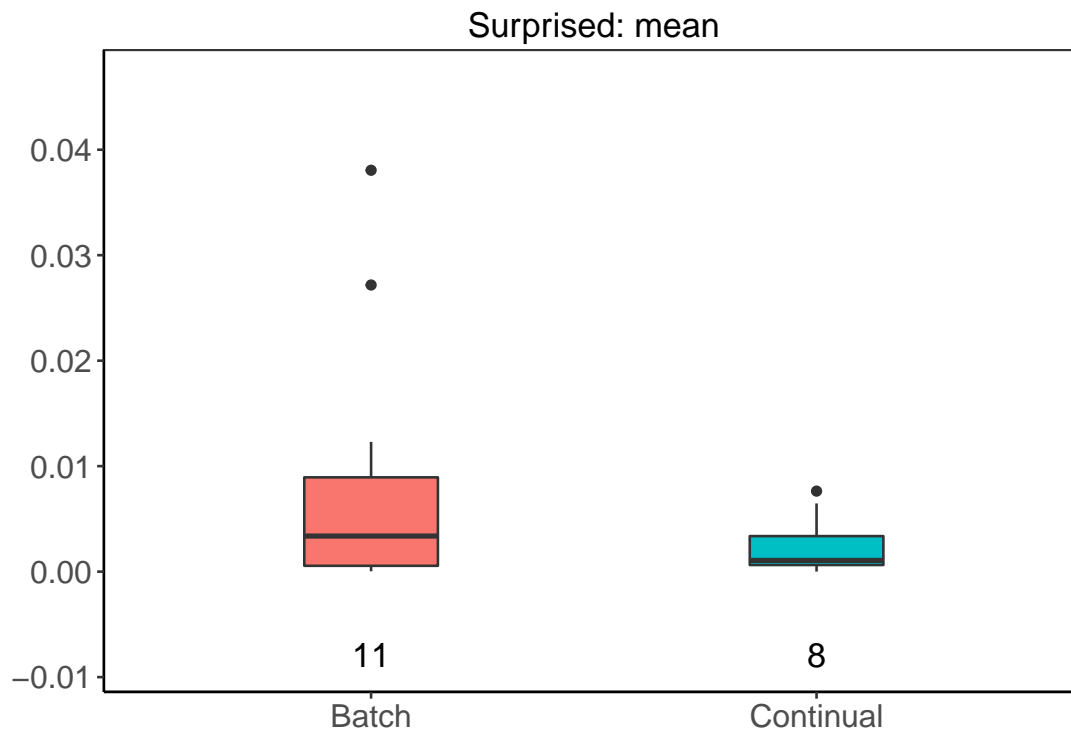
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = -0.61598, df = 16.215, p-value = 0.5465
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.115329 0.612684
## sample estimates:
## mean of x mean of y
## -2.493033 -2.241710
```



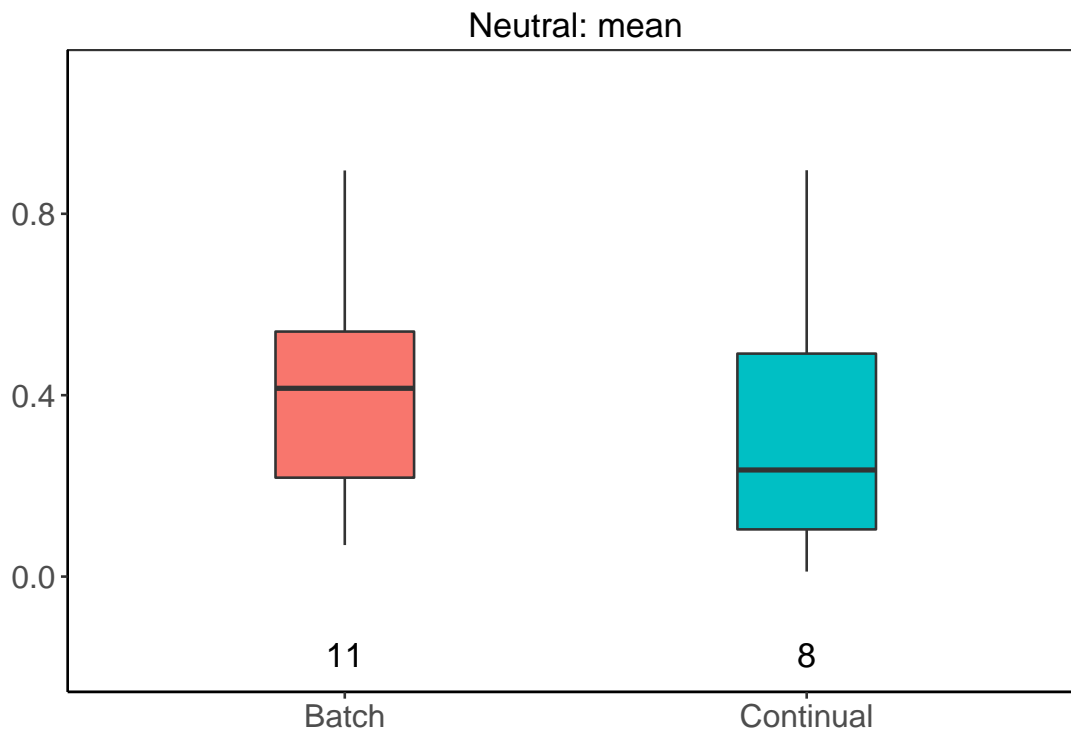
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.74627, df = 13.326, p-value = 0.4685
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.450809 2.987925
## sample estimates:
## mean of x mean of y
## -5.186345 -5.954902
```



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = -1.8461, df = 11.053, p-value = 0.09181
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.49863115 0.04357921
## sample estimates:
## mean of x mean of y
## 0.2304129 0.4579388
```

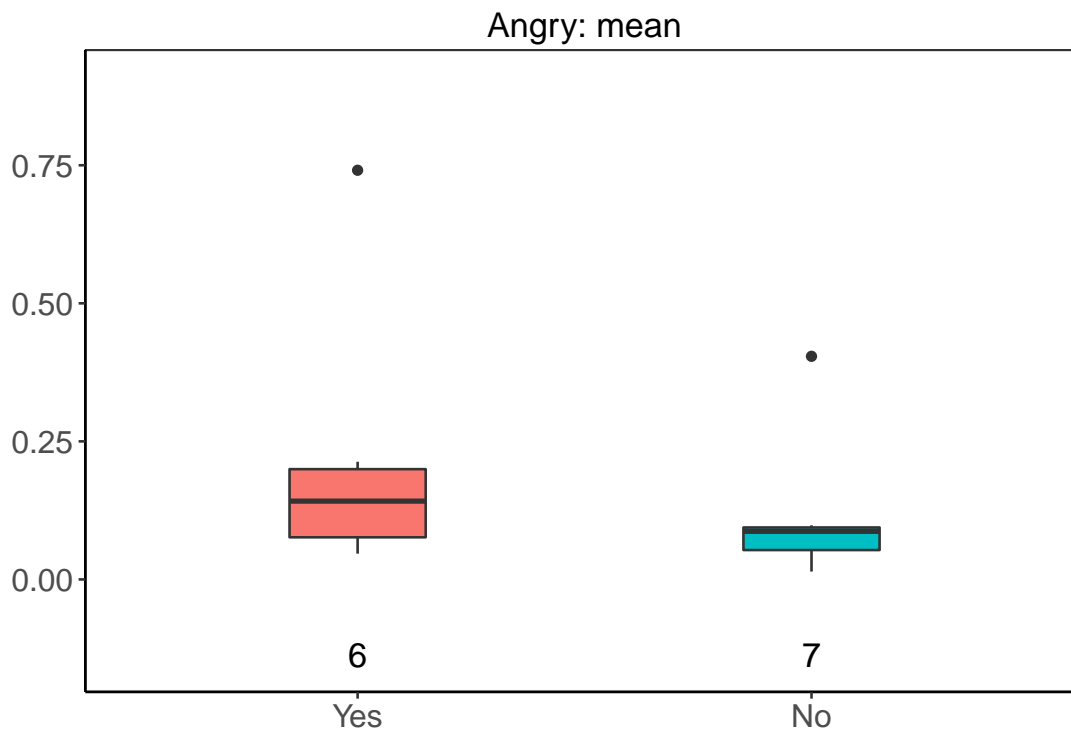


```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.82373, df = 15.261, p-value = 0.4228
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.352413 3.060312
## sample estimates:
## mean of x mean of y
## -6.252378 -7.106327
```

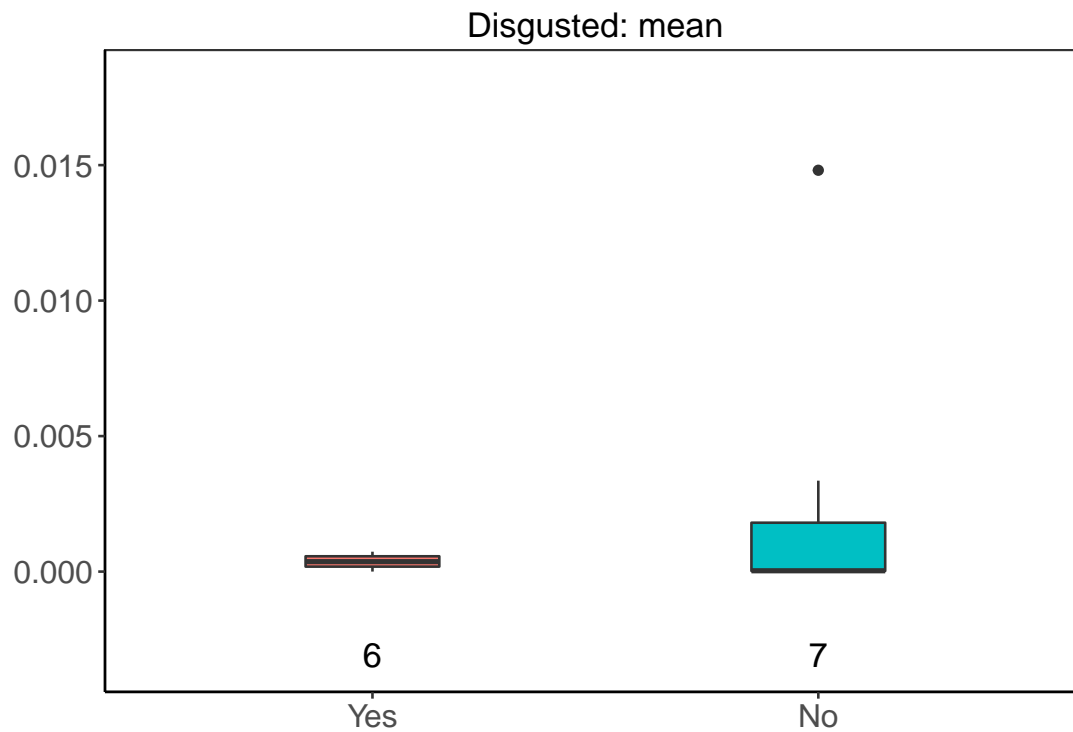



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: batch_data and continual_data
## t = 0.6644, df = 12.759, p-value = 0.5183
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.1923863 0.3628012
## sample estimates:
## mean of x mean of y
## 0.4030569 0.3178494
```

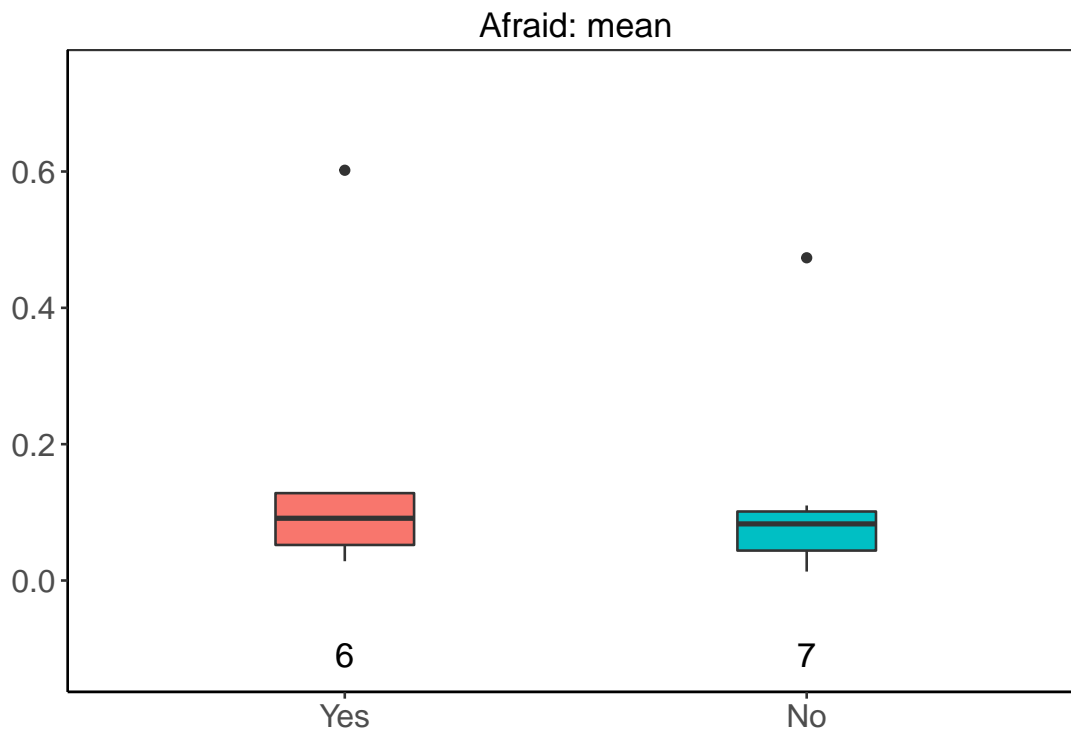
Glass Result - Comparison



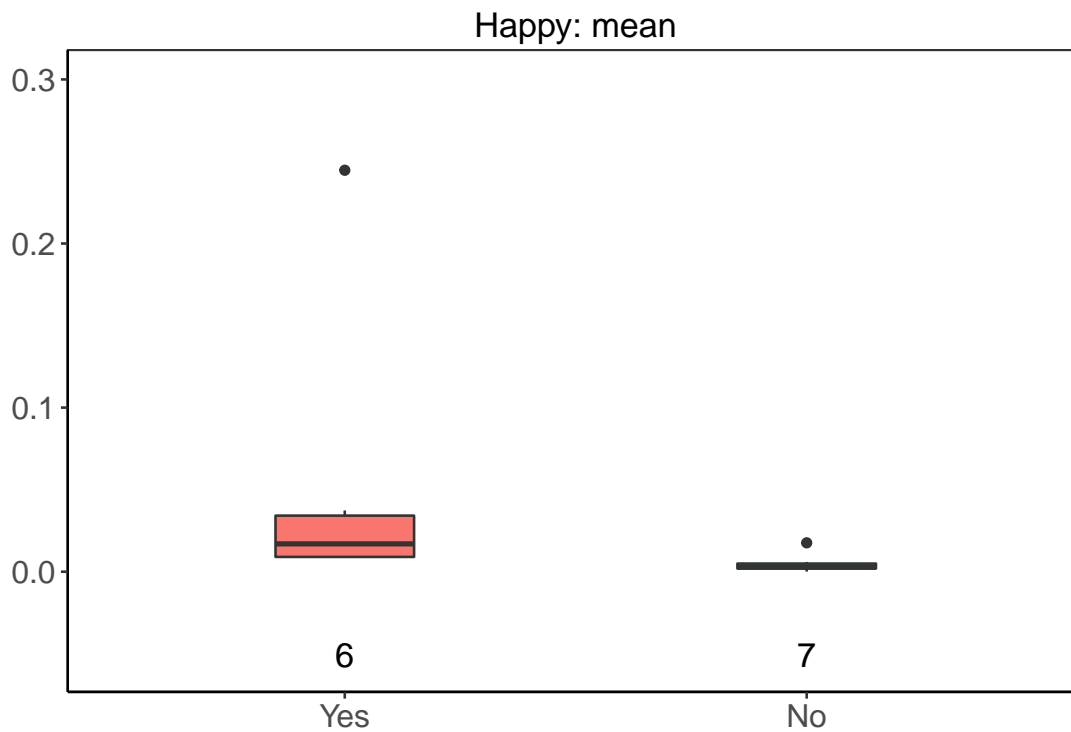
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1944, df = 10.724, p-value = 0.2581
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.5600589 1.8801513
## sample estimates:
## mean of x mean of y
## -1.940247 -2.600293
```



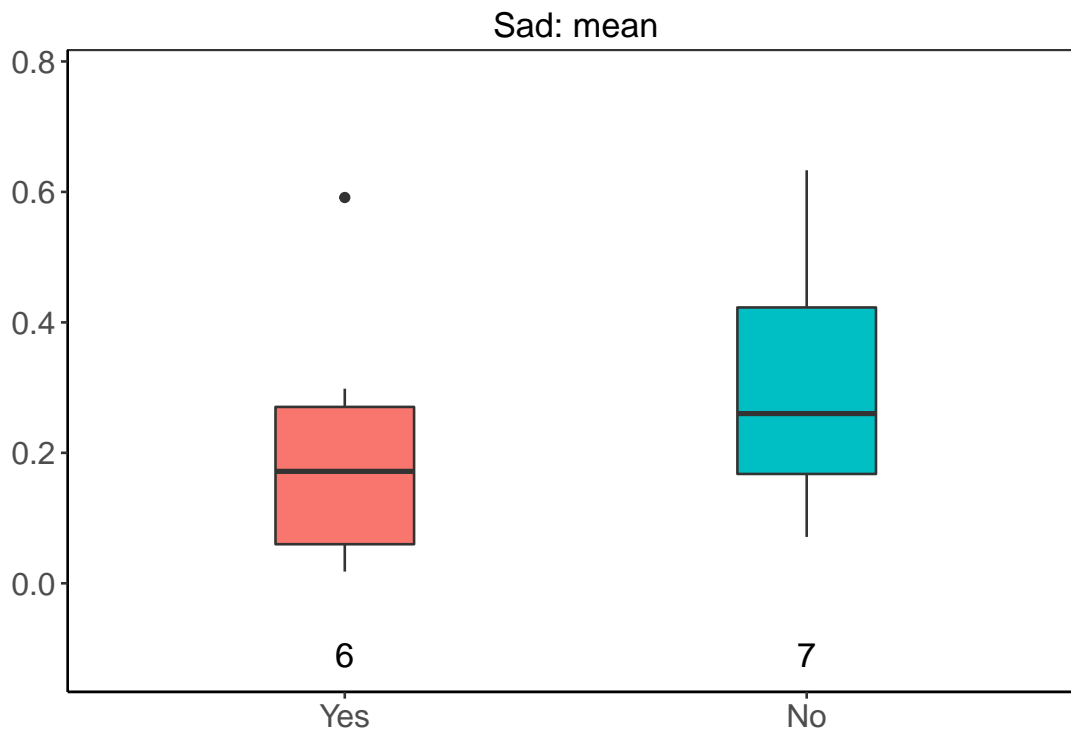
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 23, p-value = 0.8357
## alternative hypothesis: true location shift is not equal to 0
```



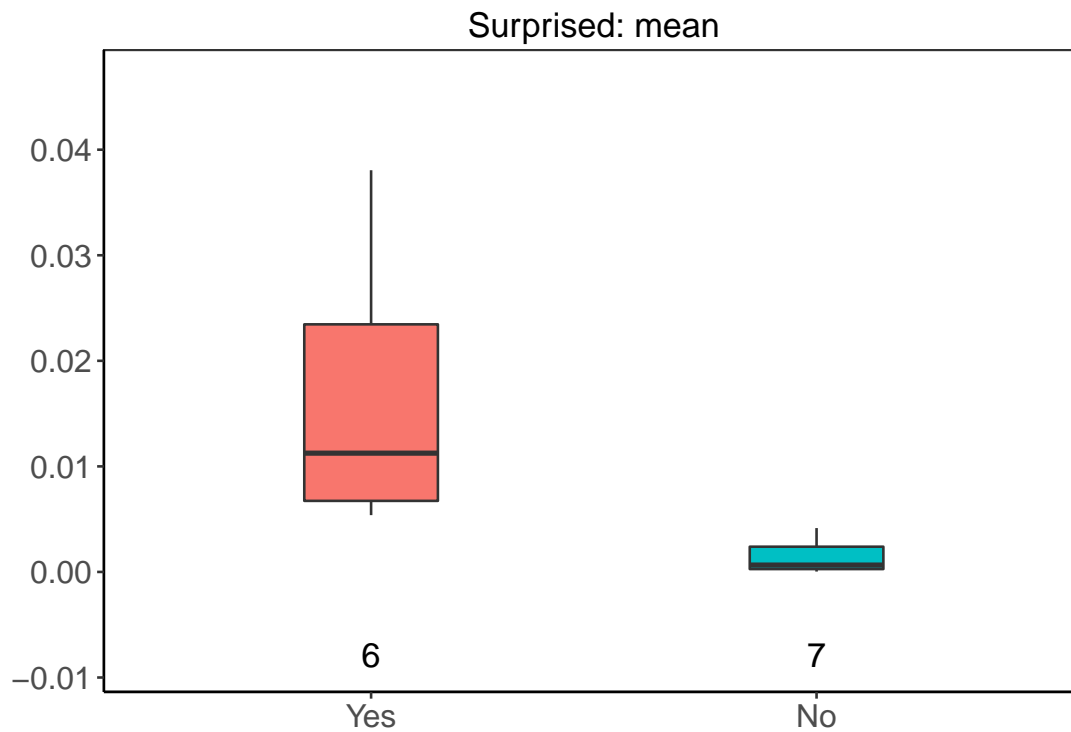
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.48568, df = 10.791, p-value = 0.6369
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.035351 1.619886
## sample estimates:
## mean of x mean of y
## -2.339799 -2.632066
```



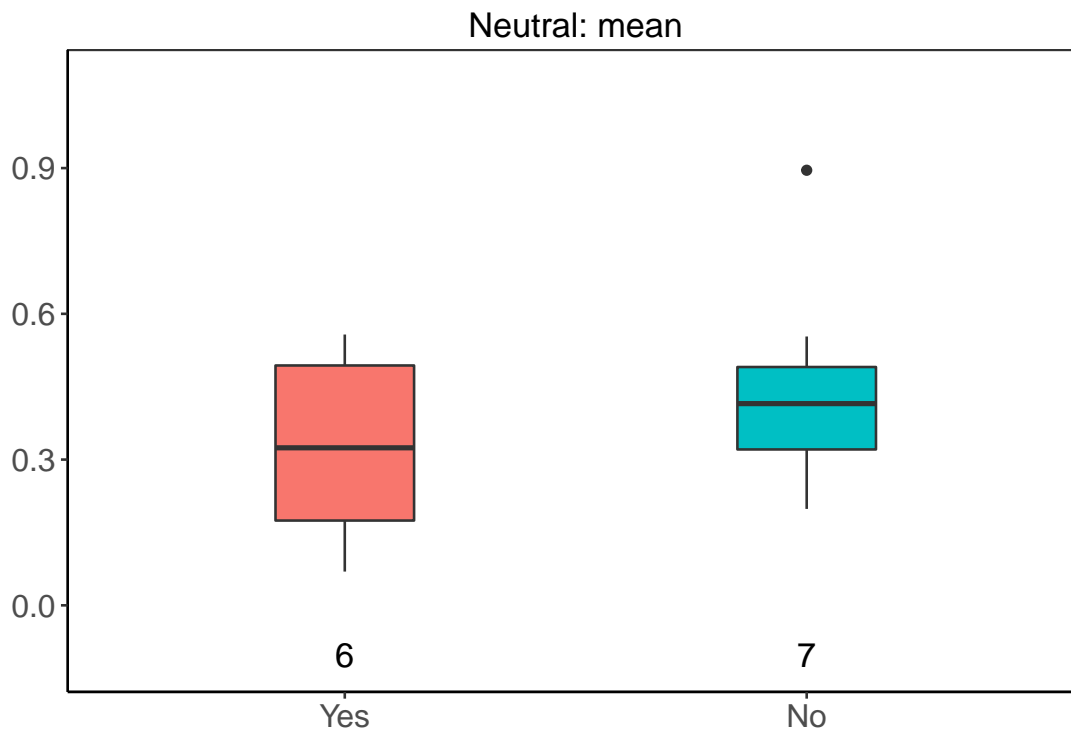
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.8224, df = 10.962, p-value = 0.01665
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.507416 4.108848
## sample estimates:
## mean of x mean of y
## -3.759651 -6.067783
```



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.80667, df = 10.495, p-value = 0.4378
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3497185 0.1629309
## sample estimates:
## mean of x mean of y
## 0.2131178 0.3065116
```



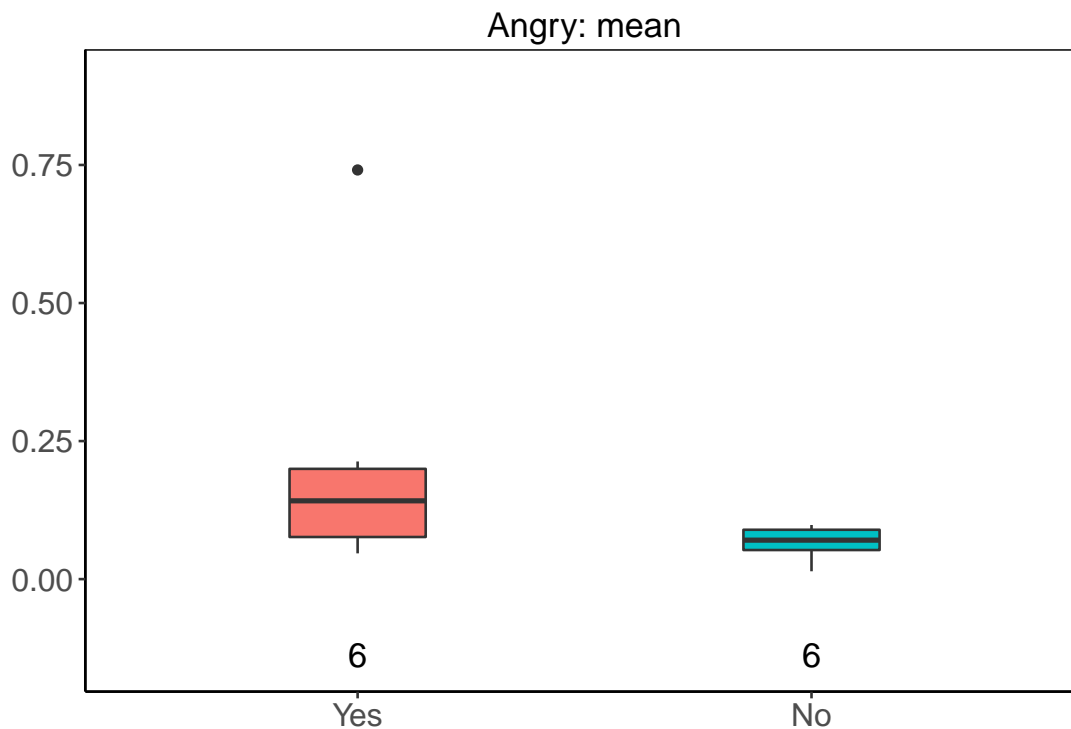
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7525, df = 5.1344, p-value = 0.03907
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.001100523 0.028890545
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001452895
```

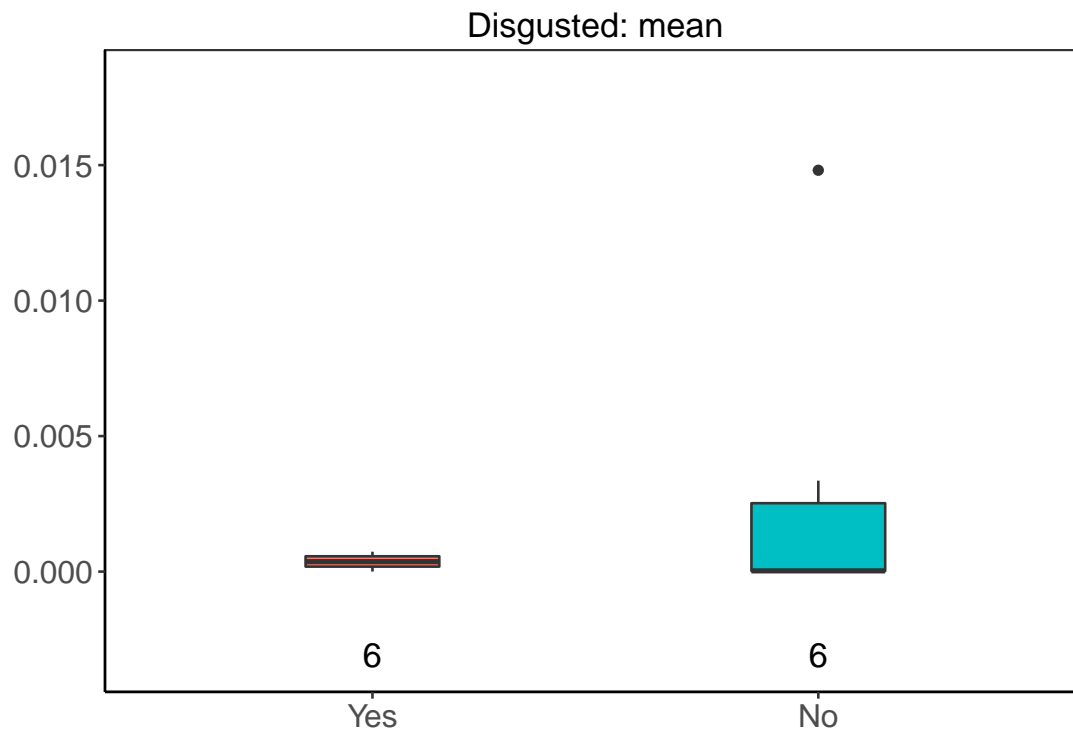
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.0217, df = 10.993, p-value = 0.3289
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3861413 0.1413097
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4474283
```

Glass Result - Removing Subjects

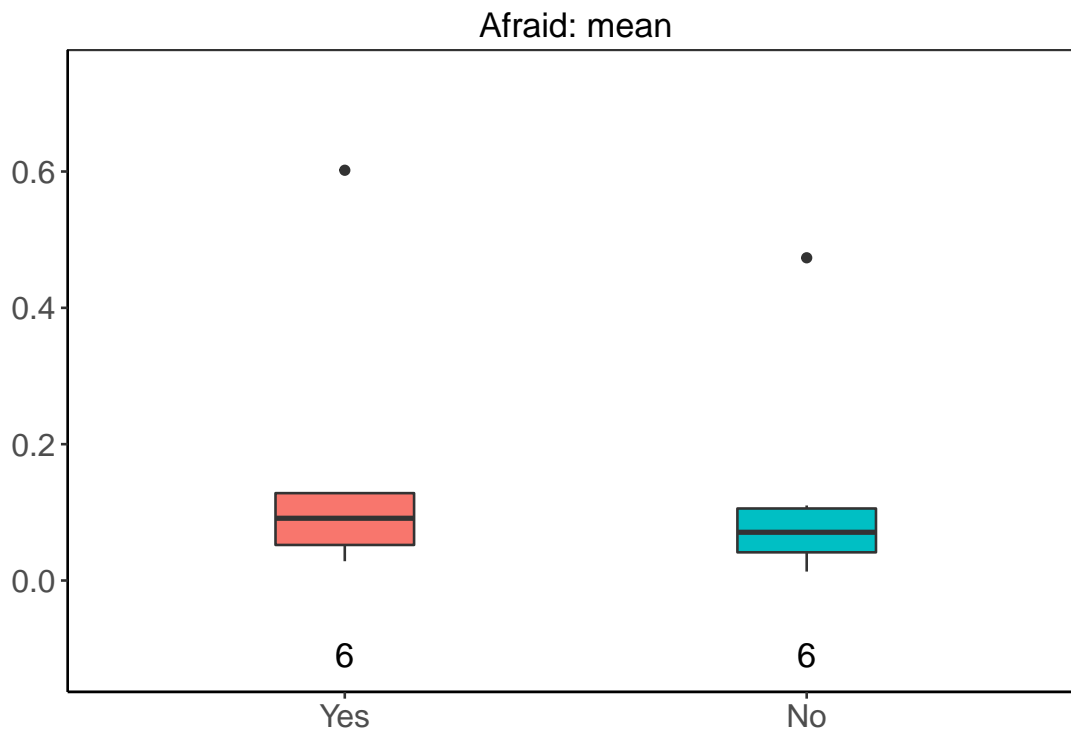
```
## [1] "~~~~~"
## [1] "Removing Participant: T016"
## [1] "~~~~~"
```



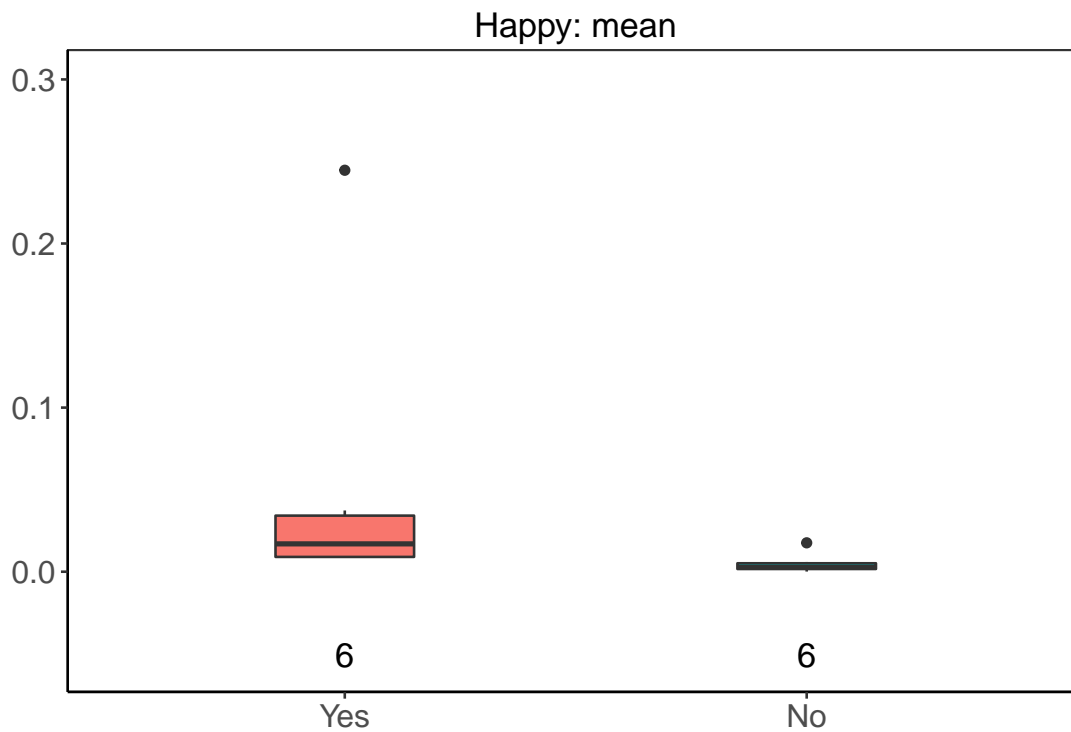
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 28, p-value = 0.132
## alternative hypothesis: true location shift is not equal to 0
```



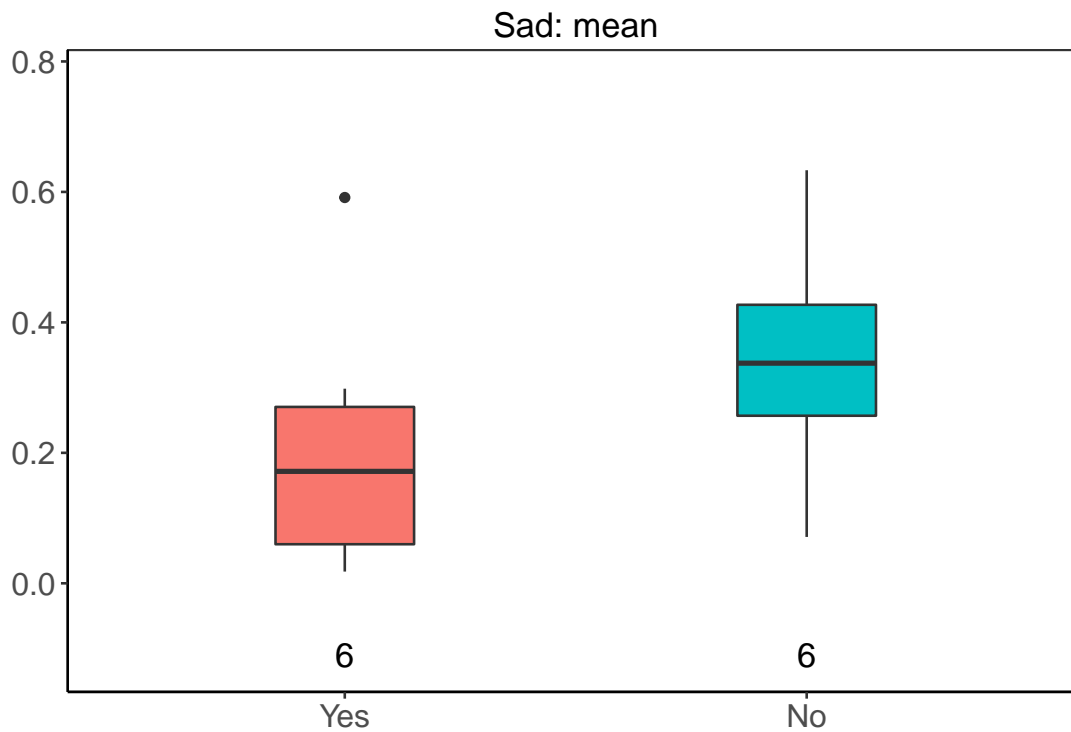
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 20, p-value = 0.8182
## alternative hypothesis: true location shift is not equal to 0
```



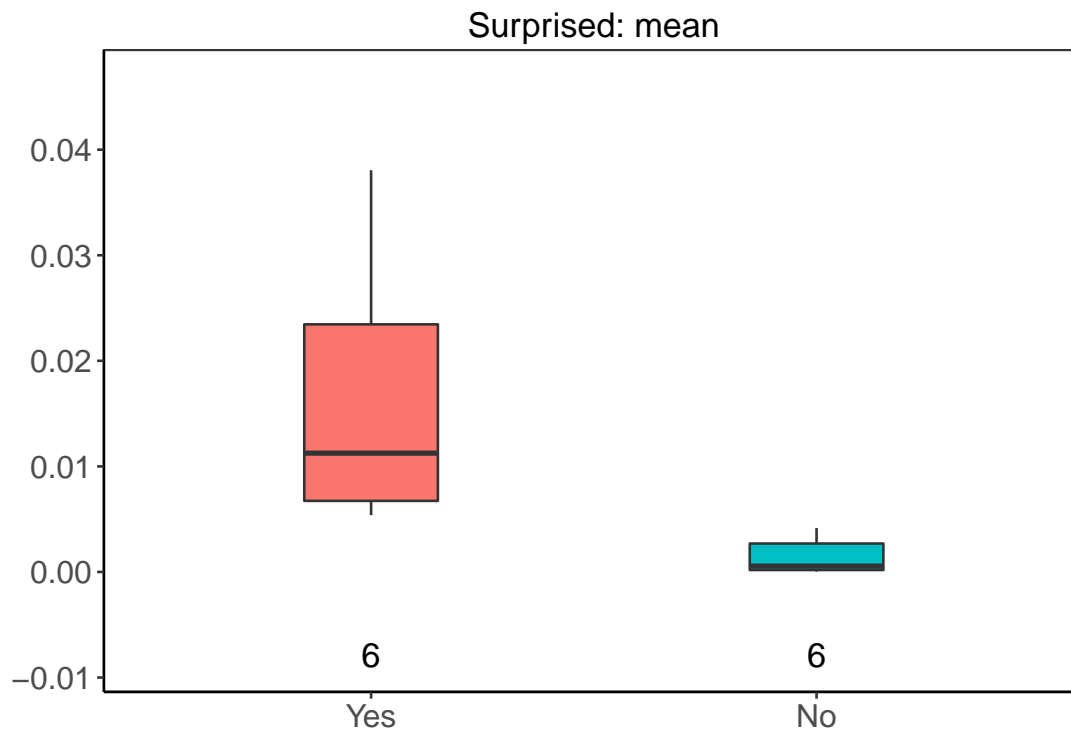
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.48199, df = 9.8619, p-value = 0.6403
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.148205 1.780549
## sample estimates:
## mean of x mean of y
## -2.339799 -2.655971
```



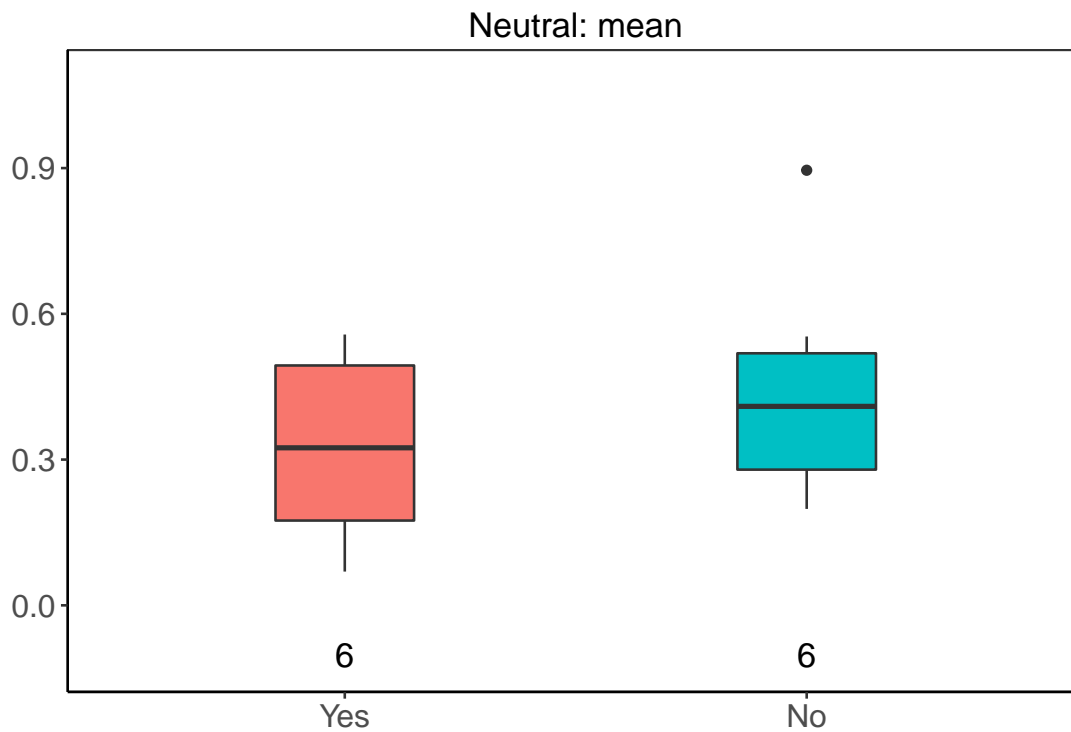
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.664, df = 9.1824, p-value = 0.02545
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.3679819 4.4299825
## sample estimates:
## mean of x mean of y
## -3.759651 -6.158633
```



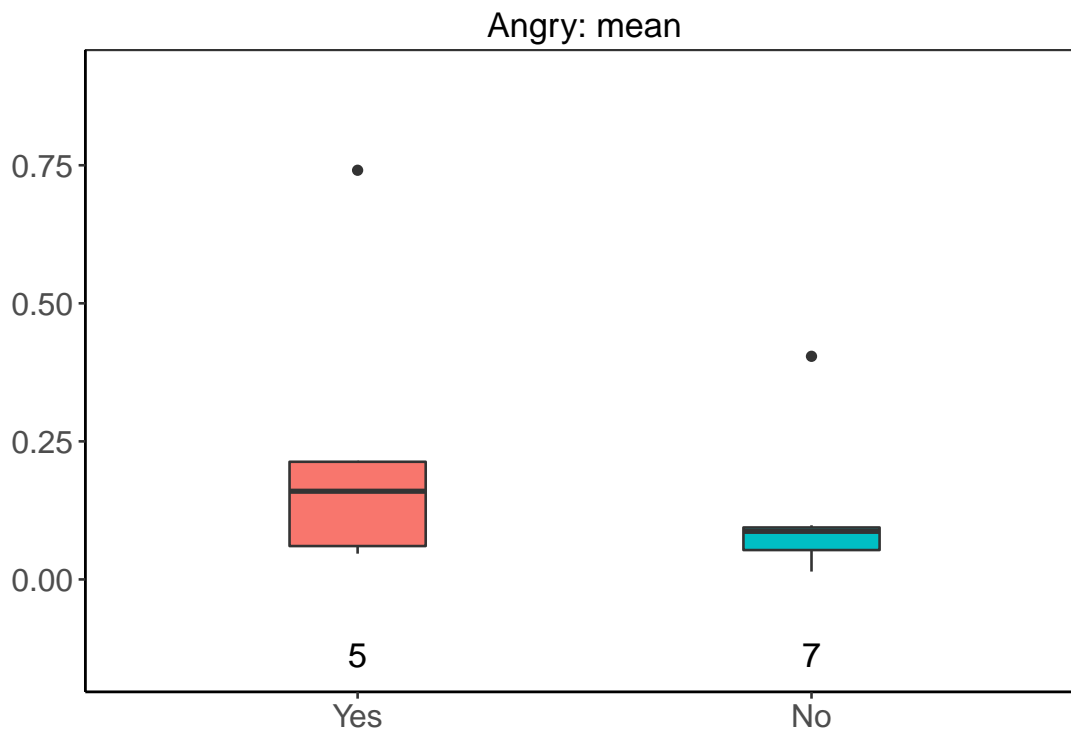
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.1196, df = 9.9011, p-value = 0.2893
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3927530 0.1302947
## sample estimates:
## mean of x mean of y
## 0.2131178 0.3443470
```



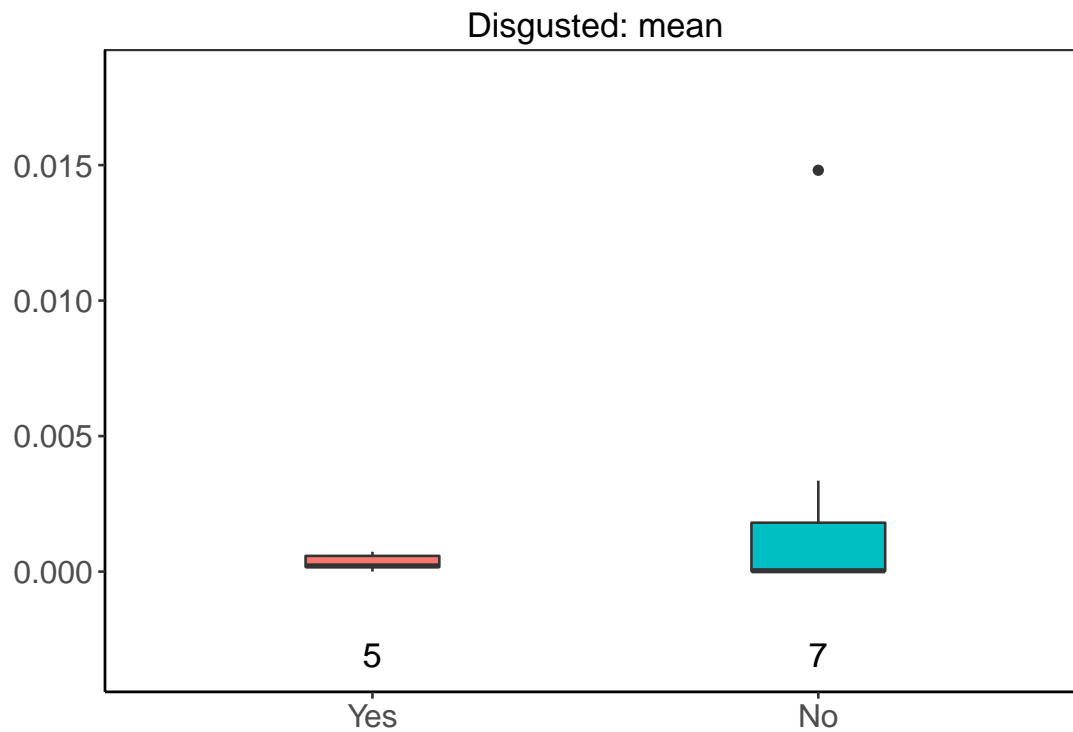
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 3.8566, df = 6.7449, p-value = 0.006701
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  1.240645 5.252696
## sample estimates:
## mean of x mean of y
## -4.378547 -7.625218
```

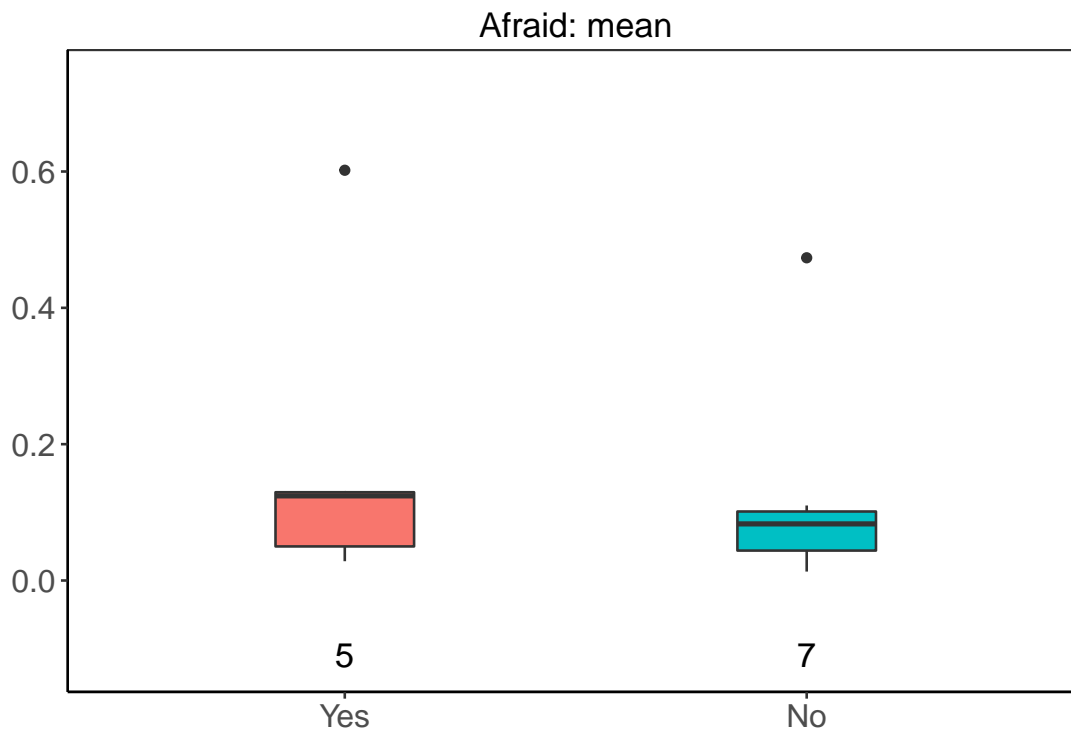
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.95285, df = 9.5008, p-value = 0.3643
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4217037 0.1703272
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4507008
##
## [1] "-----"
## [1] "Removing Participant: T021"
## [1] "-----"
```



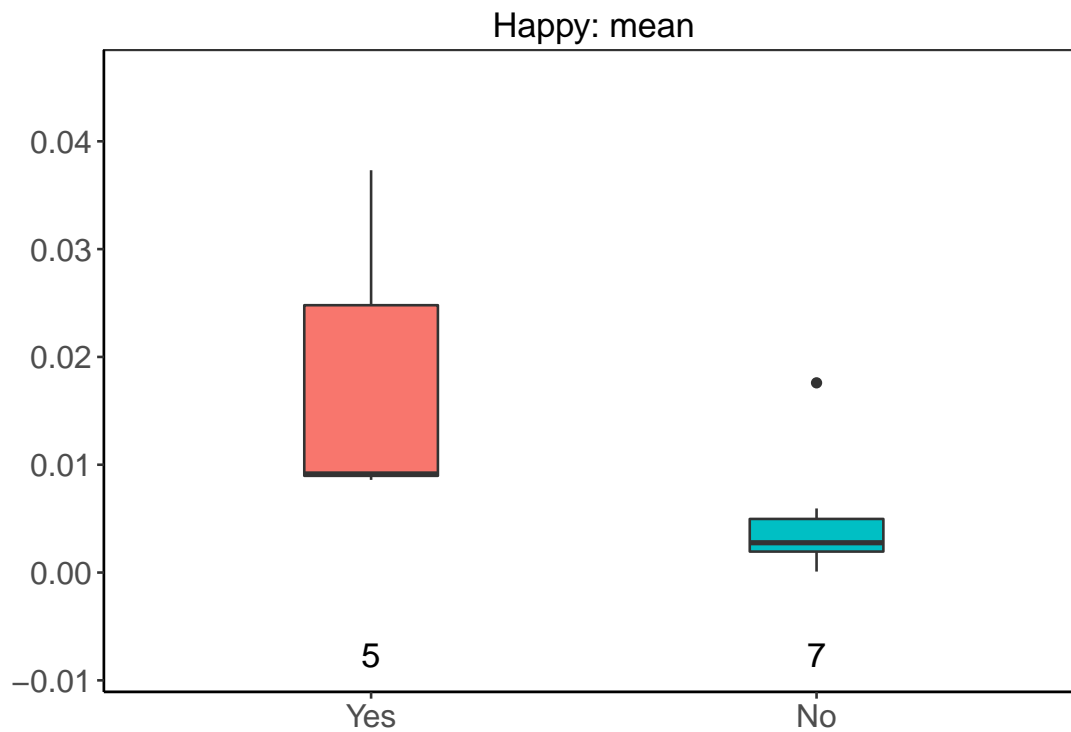
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1106, df = 8.176, p-value = 0.2983
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7370333 2.1163960
## sample estimates:
## mean of x mean of y
## -1.910612 -2.600293
```



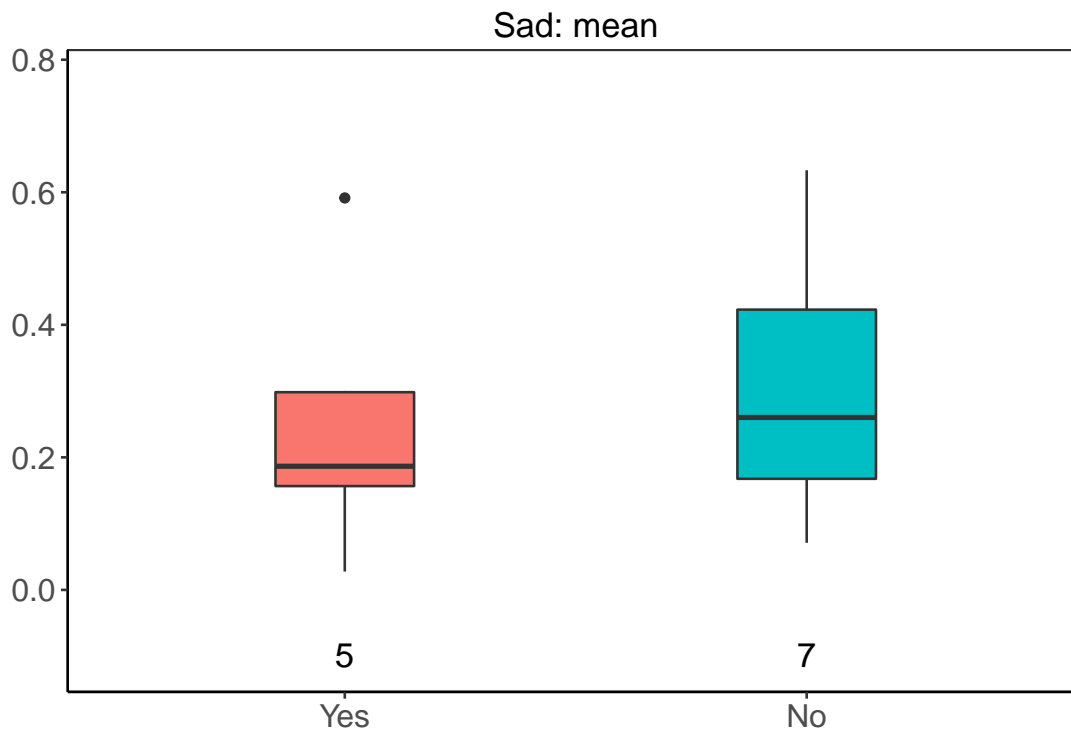
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```



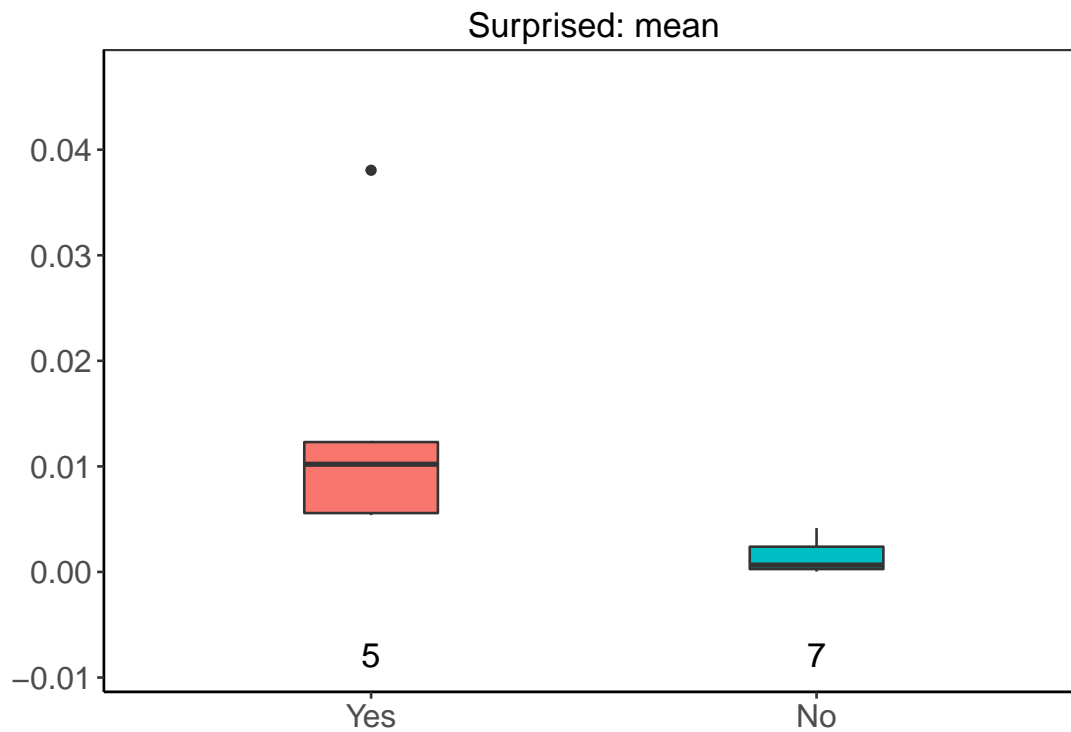
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.58988, df = 8.4493, p-value = 0.5707
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.126856 1.911195
## sample estimates:
## mean of x mean of y
## -2.239897 -2.632066
```



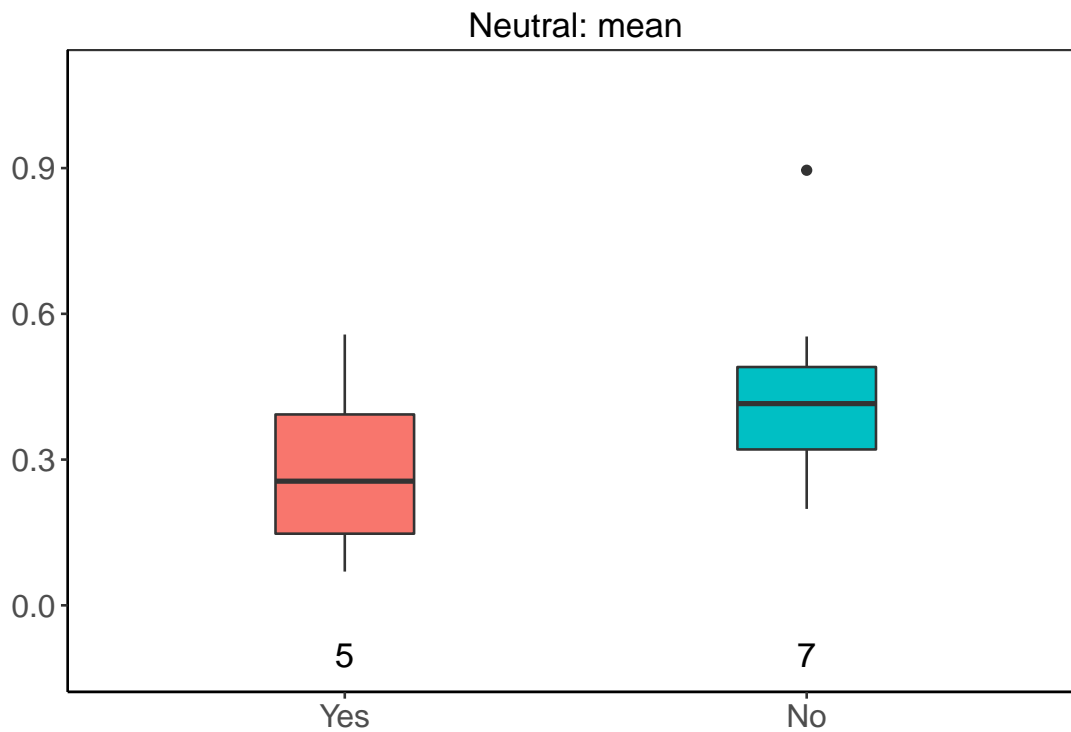
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.6548, df = 8.5471, p-value = 0.02743
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.2590856 3.4164883
## sample estimates:
## mean of x mean of y
## -4.229996 -6.067783
```



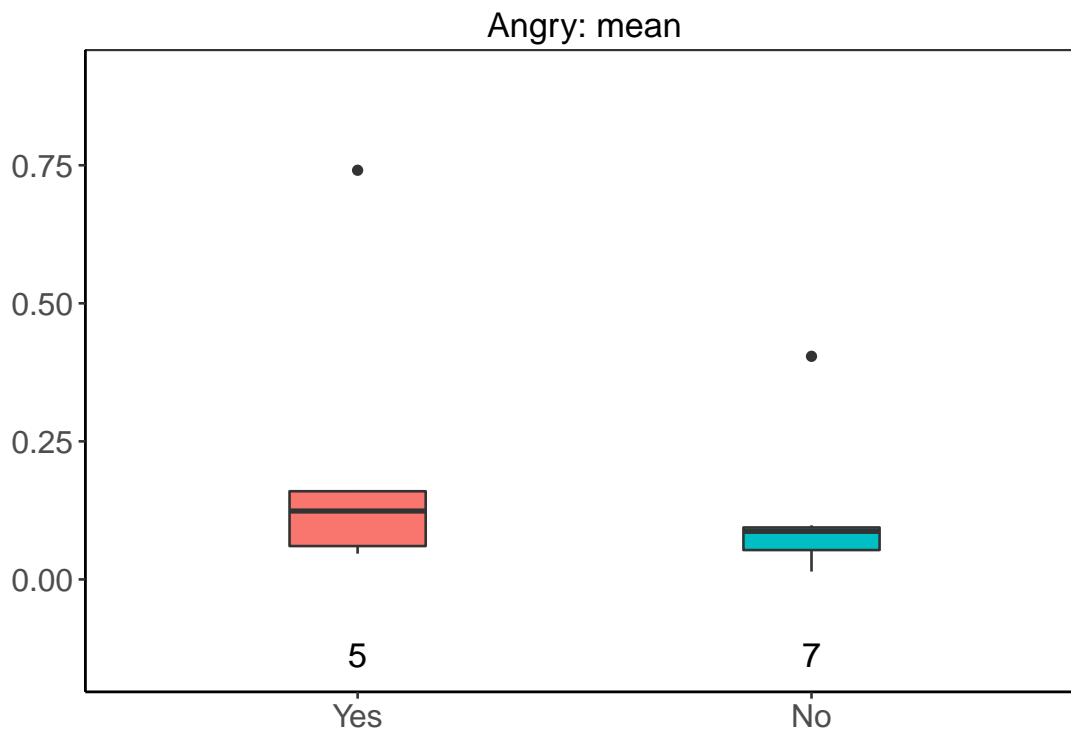
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.44548, df = 8.479, p-value = 0.6671
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3331017 0.2243512
## sample estimates:
## mean of x mean of y
## 0.2521363 0.3065116
```



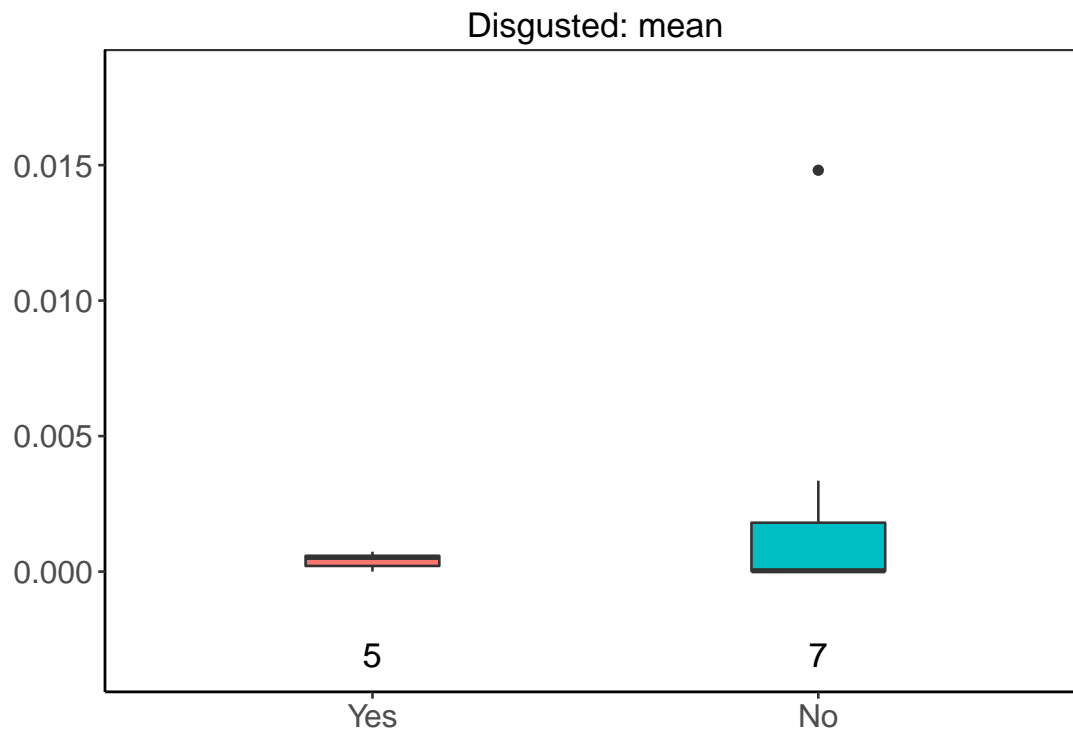
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 3.8662, df = 8.7941, p-value = 0.003981
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  1.213771 4.666932
## sample estimates:
## mean of x mean of y
## -4.533151 -7.473502
```



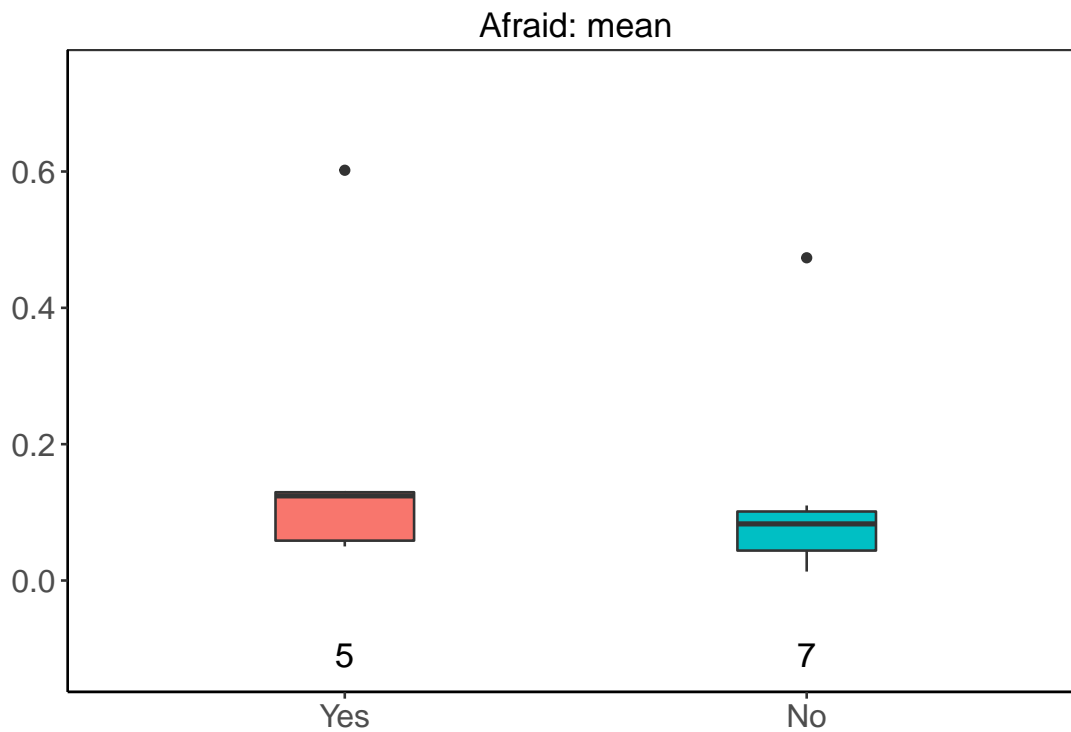
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.3187, df = 9.6113, p-value = 0.2178
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4395680 0.1138303
## sample estimates:
## mean of x mean of y
## 0.2845594 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T051"
## [1] "-----"
```

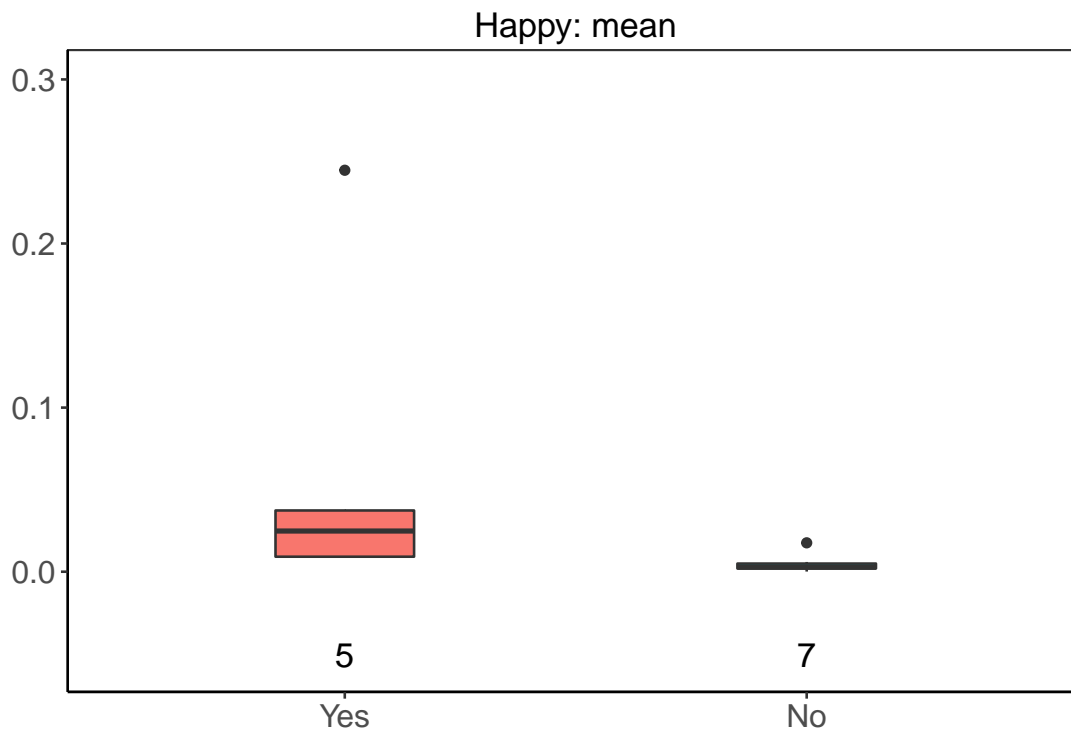
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.94585, df = 8.276, p-value = 0.371
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.8276939 1.9902282
## sample estimates:
## mean of x mean of y
## -2.019026 -2.600293
```



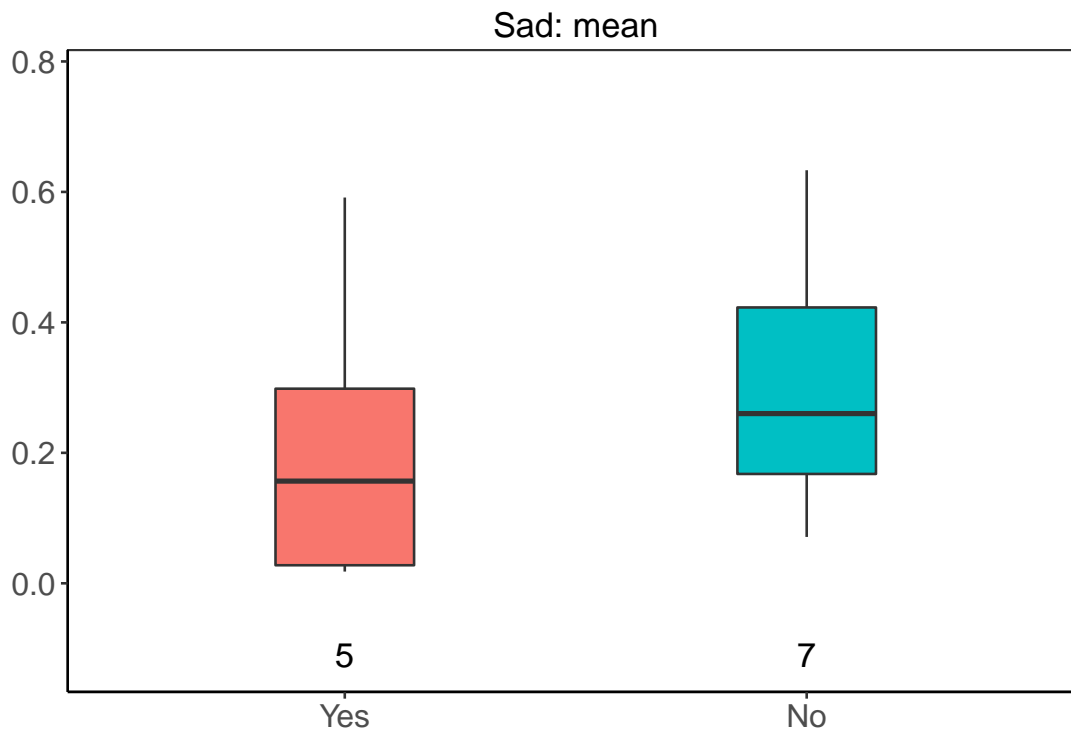
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 19, p-value = 0.8763
## alternative hypothesis: true location shift is not equal to 0
```



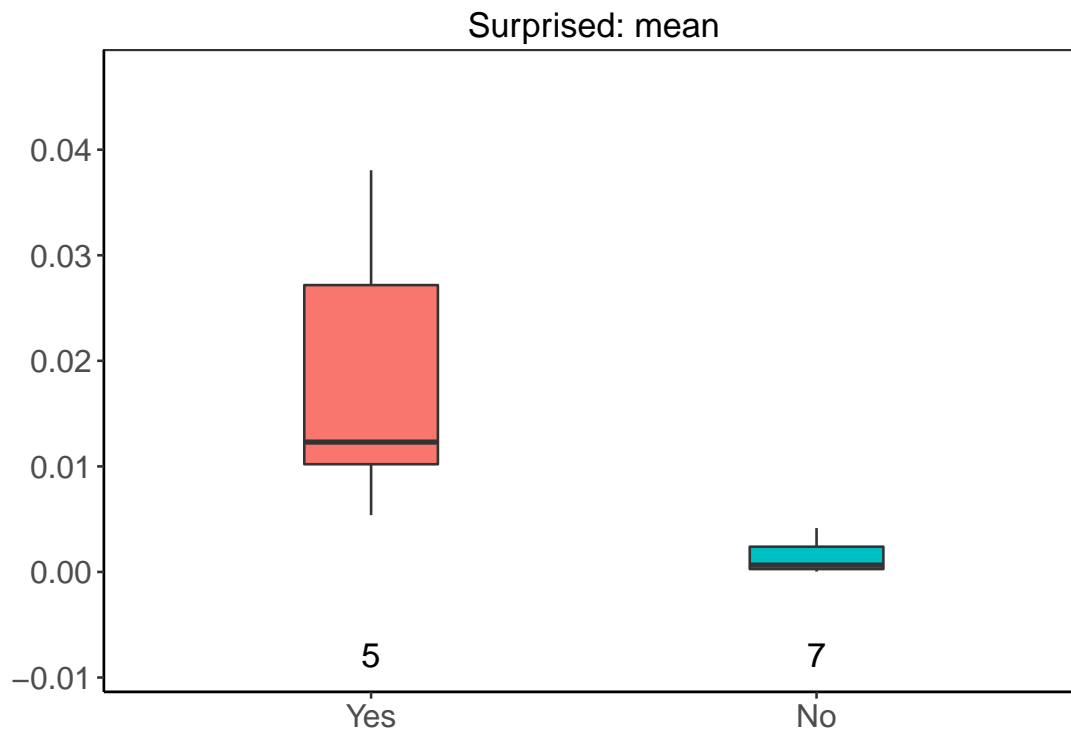
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.88738, df = 9.3431, p-value = 0.3971
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.824995 1.899872
## sample estimates:
## mean of x mean of y
## -2.094628 -2.632066
```



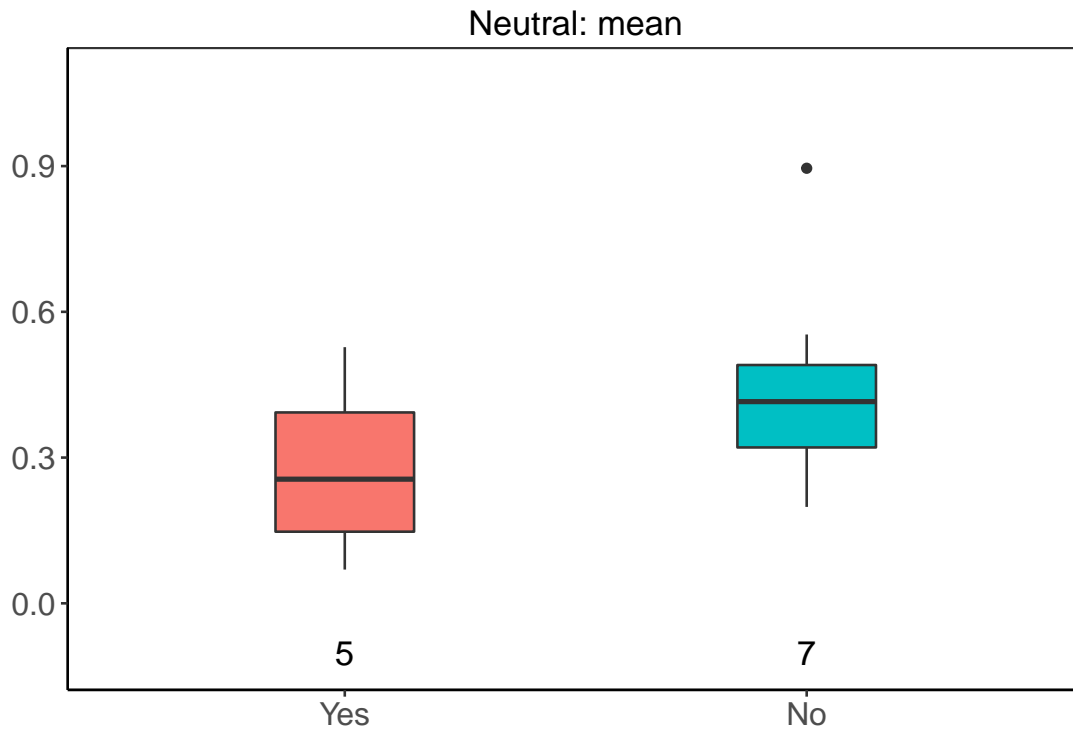
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.8734, df = 9.6599, p-value = 0.01714
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.5518635 4.4461124
## sample estimates:
## mean of x mean of y
## -3.568795 -6.067783
```



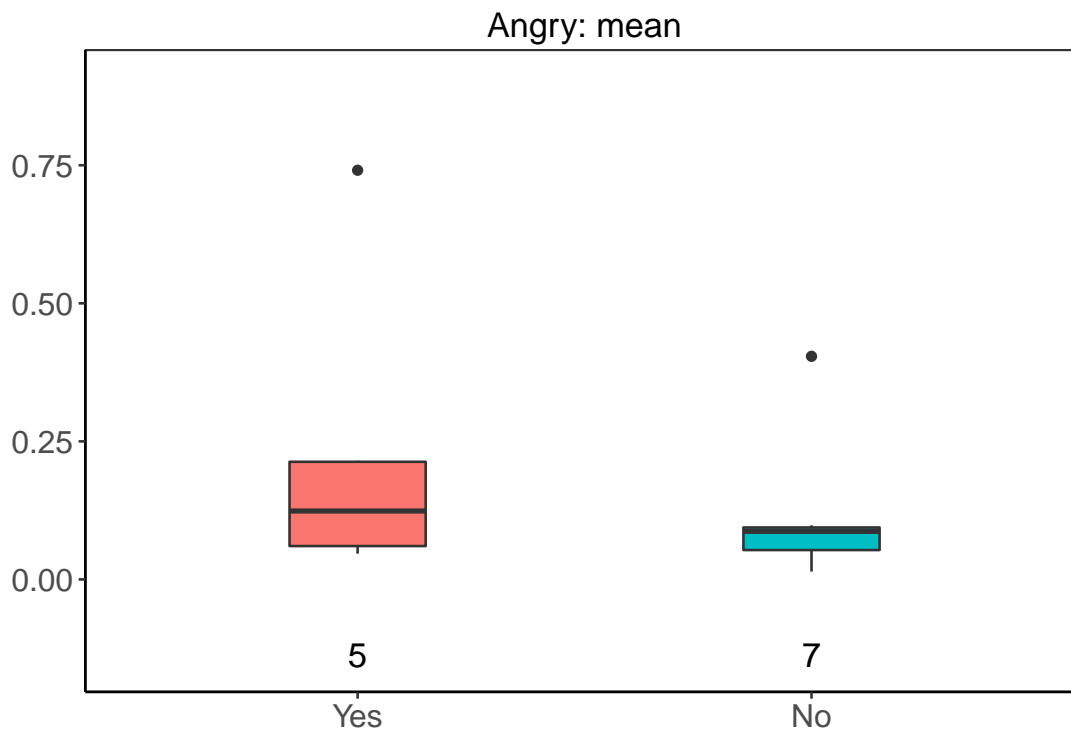
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.67282, df = 7.818, p-value = 0.5205
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3912148 0.2150447
## sample estimates:
## mean of x mean of y
## 0.2184266 0.3065116
```



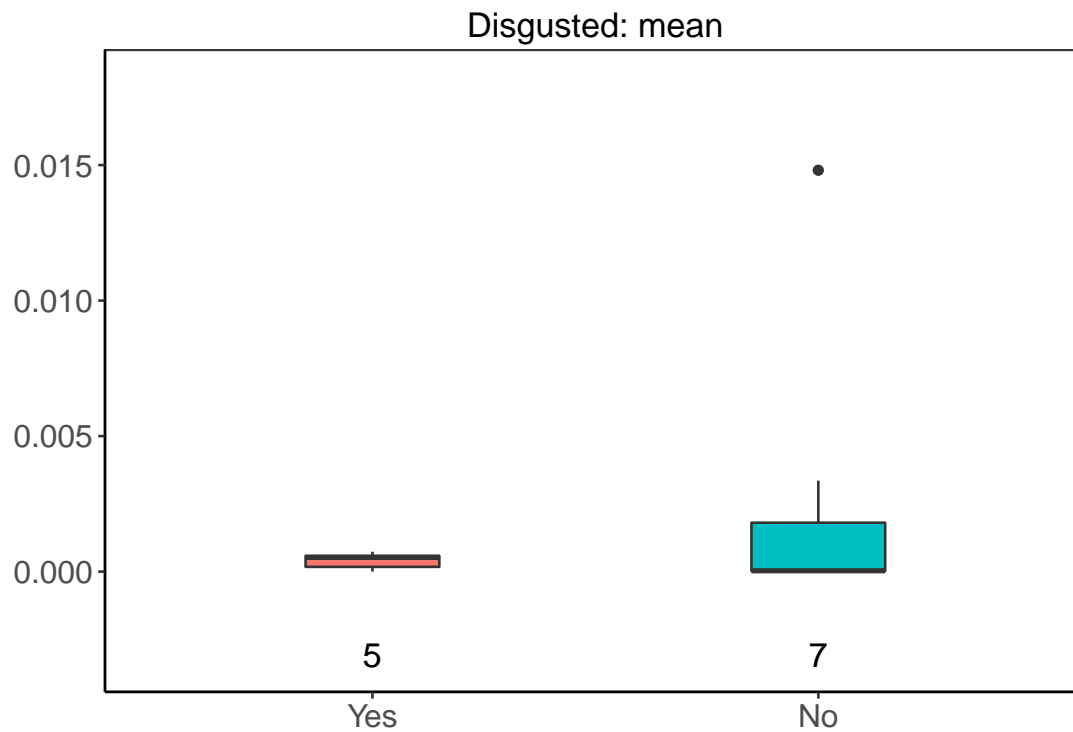
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.814, df = 4.0855, p-value = 0.04697
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0003681726 0.0339722738
## sample estimates:
##  mean of x   mean of y
## 0.018623119 0.001452895
```



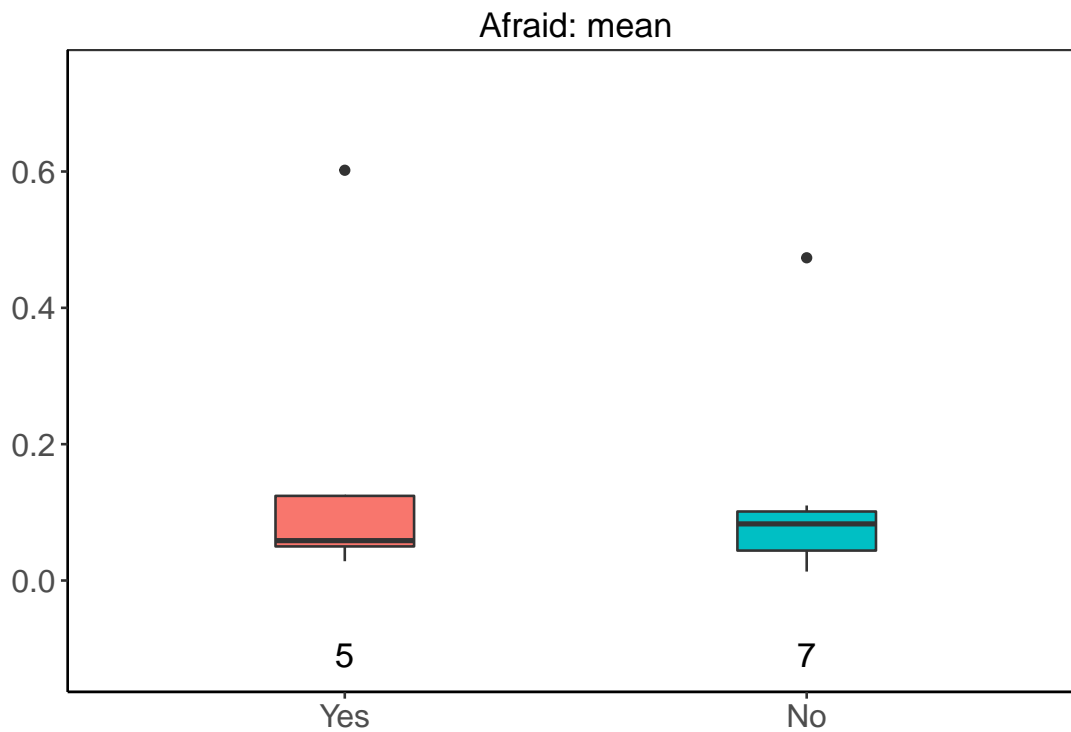
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.4042, df = 9.7927, p-value = 0.1912
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.43766750 0.09987887
## sample estimates:
## mean of x mean of y
## 0.2785340 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T077"
## [1] "-----"
```



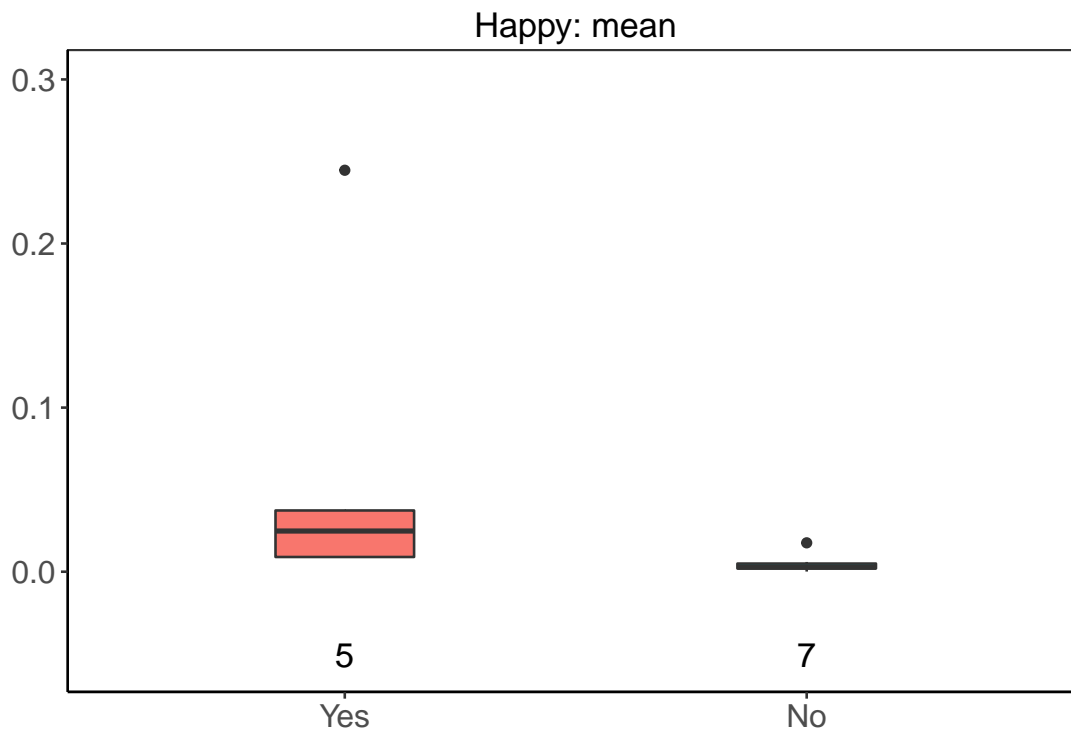
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.028, df = 8.168, p-value = 0.3334
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7892324 2.0670650
## sample estimates:
## mean of x mean of y
## -1.961377 -2.600293
```

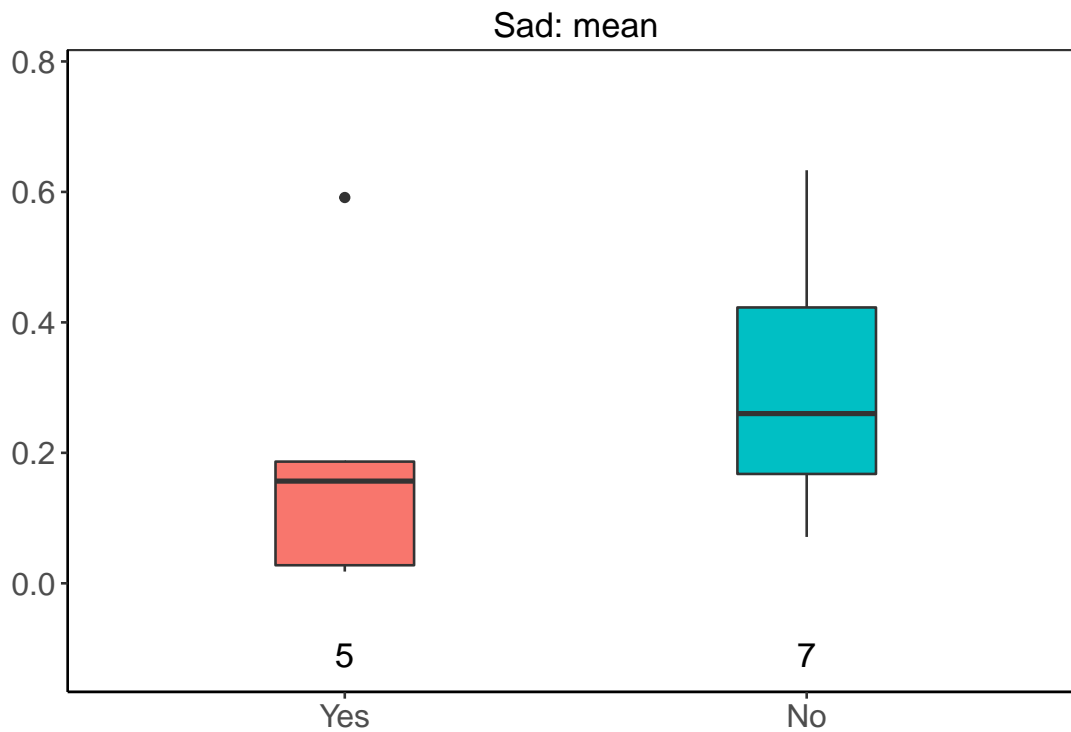
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 19, p-value = 0.8763
## alternative hypothesis: true location shift is not equal to 0
```



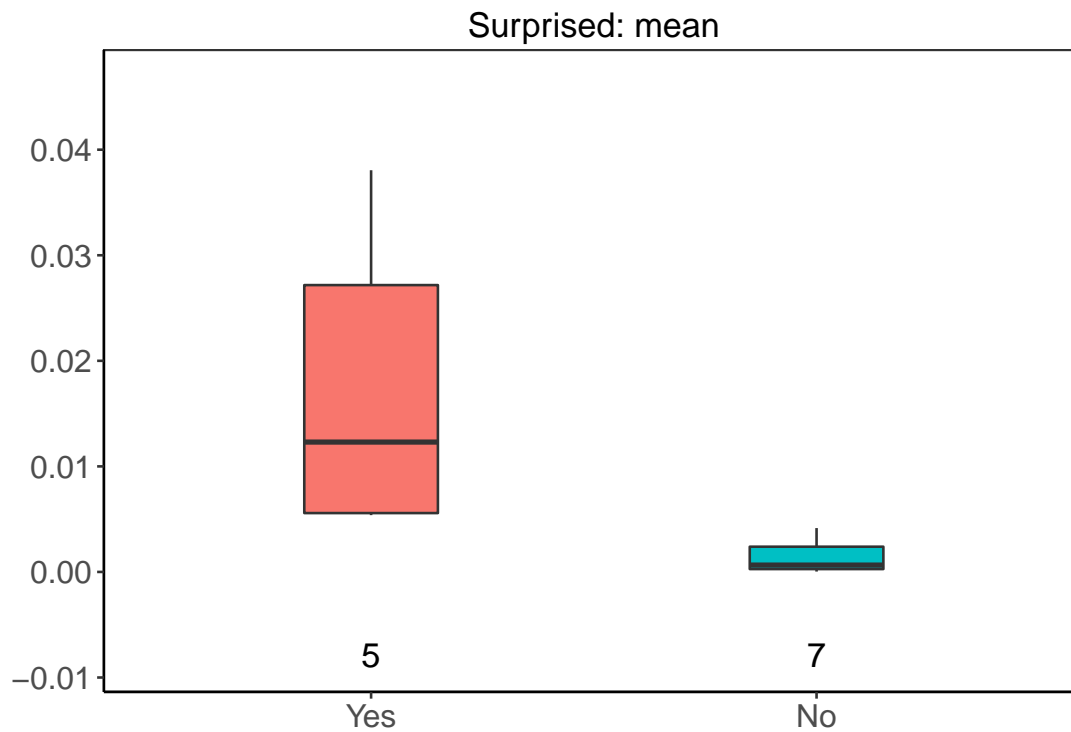
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.34687, df = 8.3437, p-value = 0.7373
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.305700 1.771966
## sample estimates:
## mean of x mean of y
## -2.398933 -2.632066
```



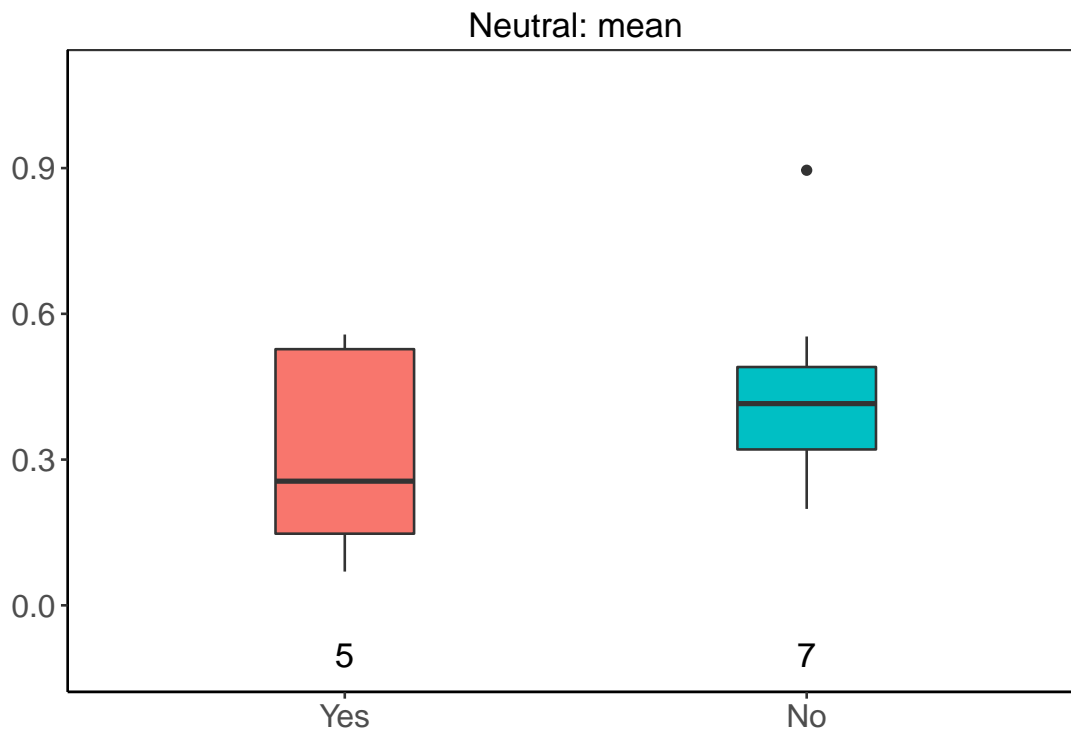
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.8646, df = 9.6492, p-value = 0.01741
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.5447559 4.4453515
## sample estimates:
## mean of x mean of y
## -3.572729 -6.067783
```



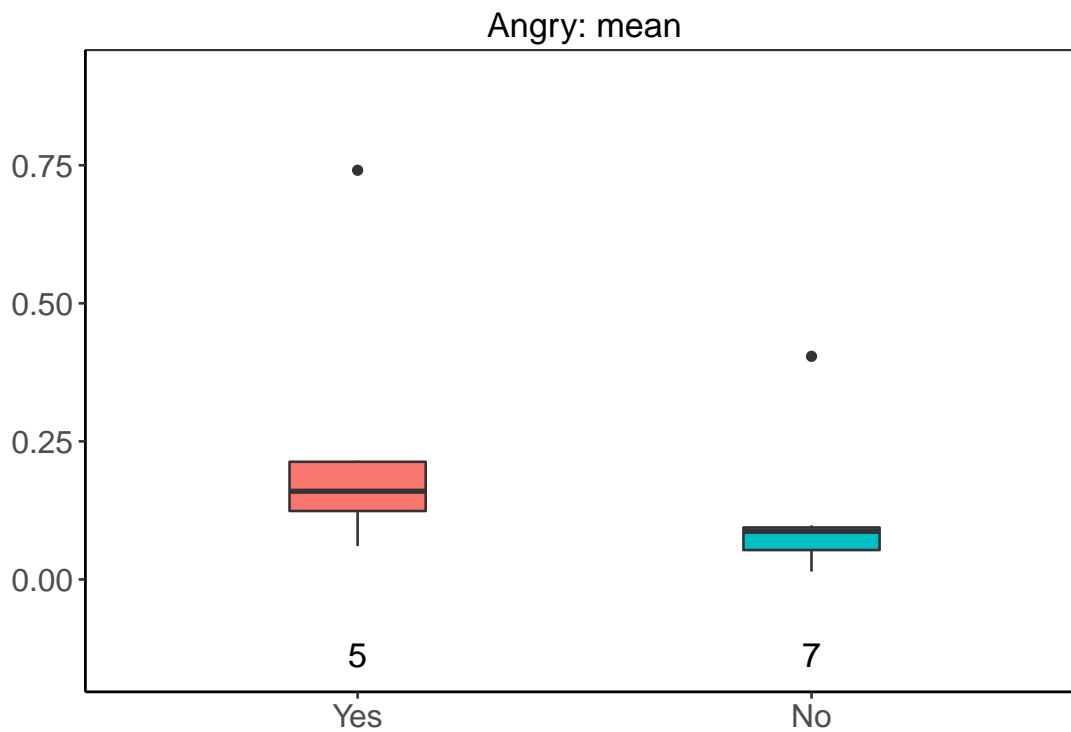
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.85345, df = 7.9235, p-value = 0.4185
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4093593 0.1884737
## sample estimates:
## mean of x mean of y
## 0.1960688 0.3065116
```



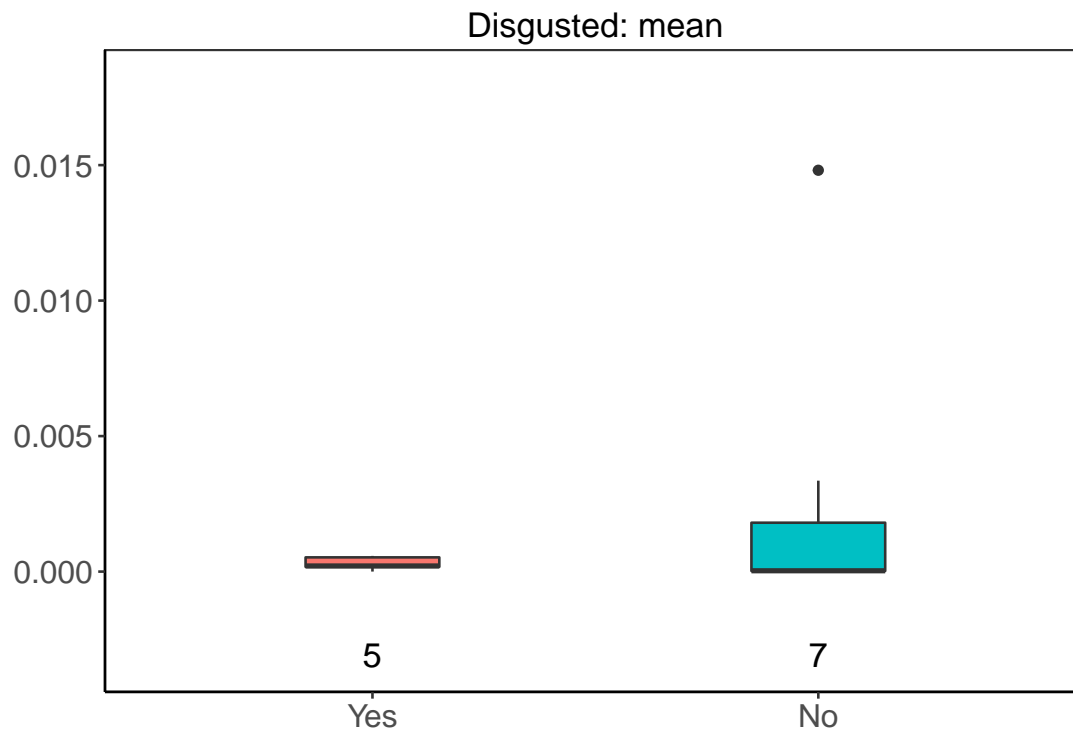
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.507, df = 4.0757, p-value = 0.06512
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.001614741 0.034103533
## sample estimates:
## mean of x mean of y
## 0.017697291 0.001452895
```



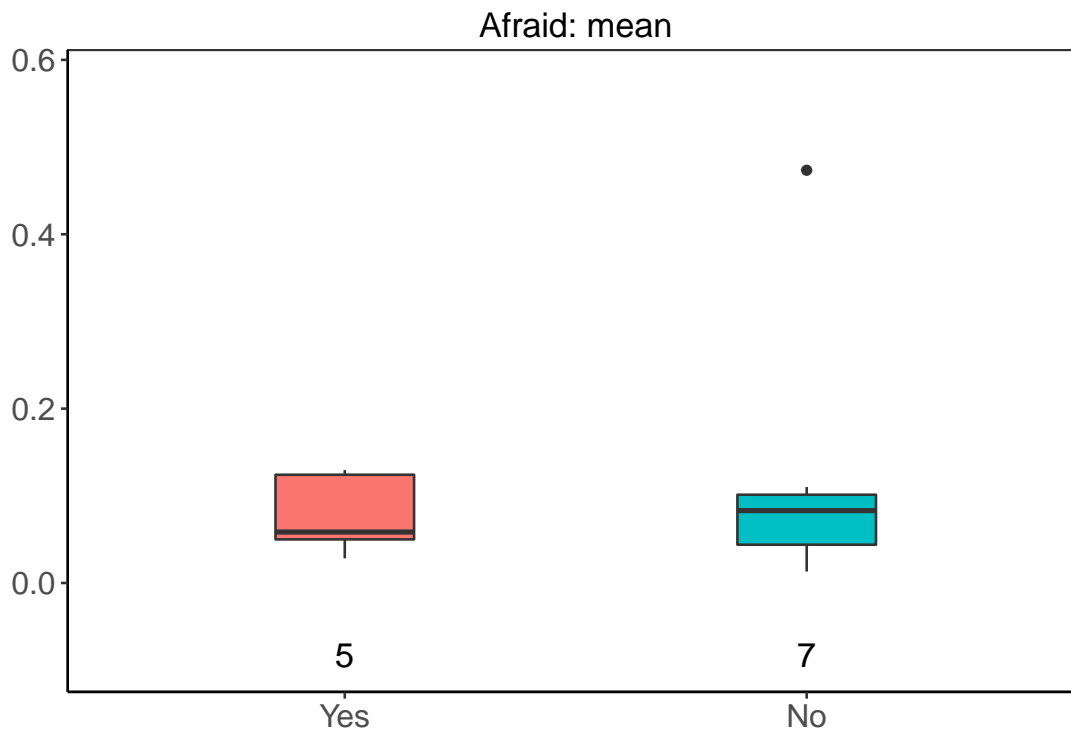
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.03, df = 9.0233, p-value = 0.3298
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4345440 0.1625549
## sample estimates:
## mean of x mean of y
## 0.3114337 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T079"
## [1] "-----"
```



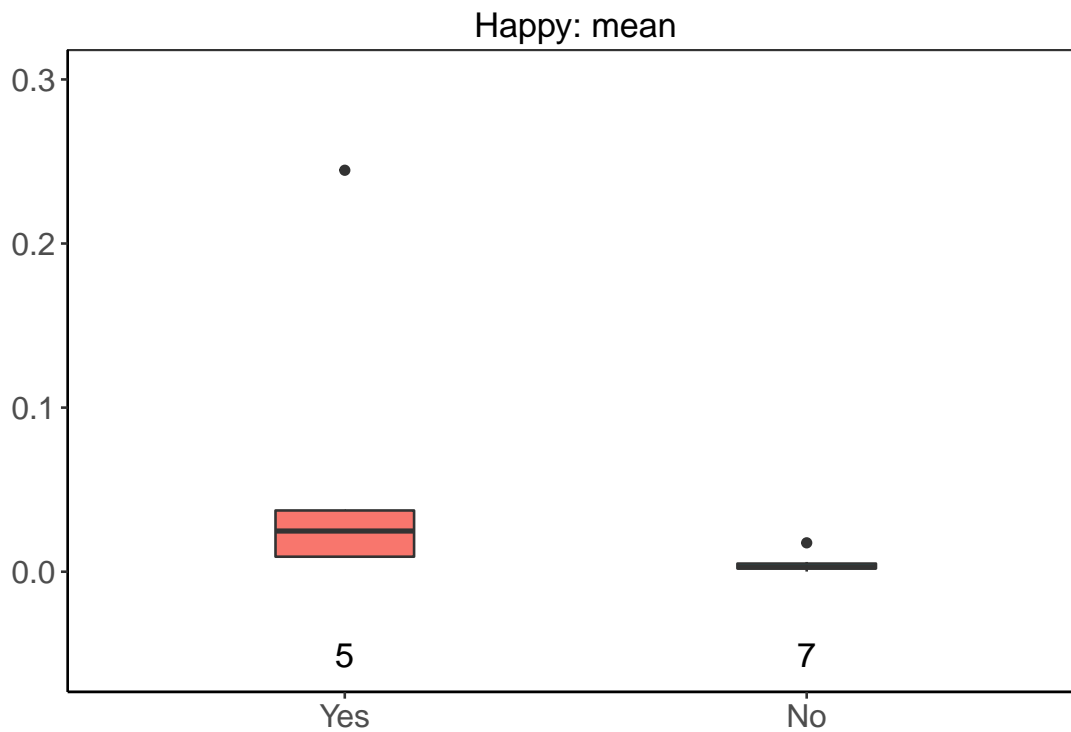
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.5869, df = 9.2152, p-value = 0.1462
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3721189 2.1421972
## sample estimates:
## mean of x mean of y
## -1.715254 -2.600293
```



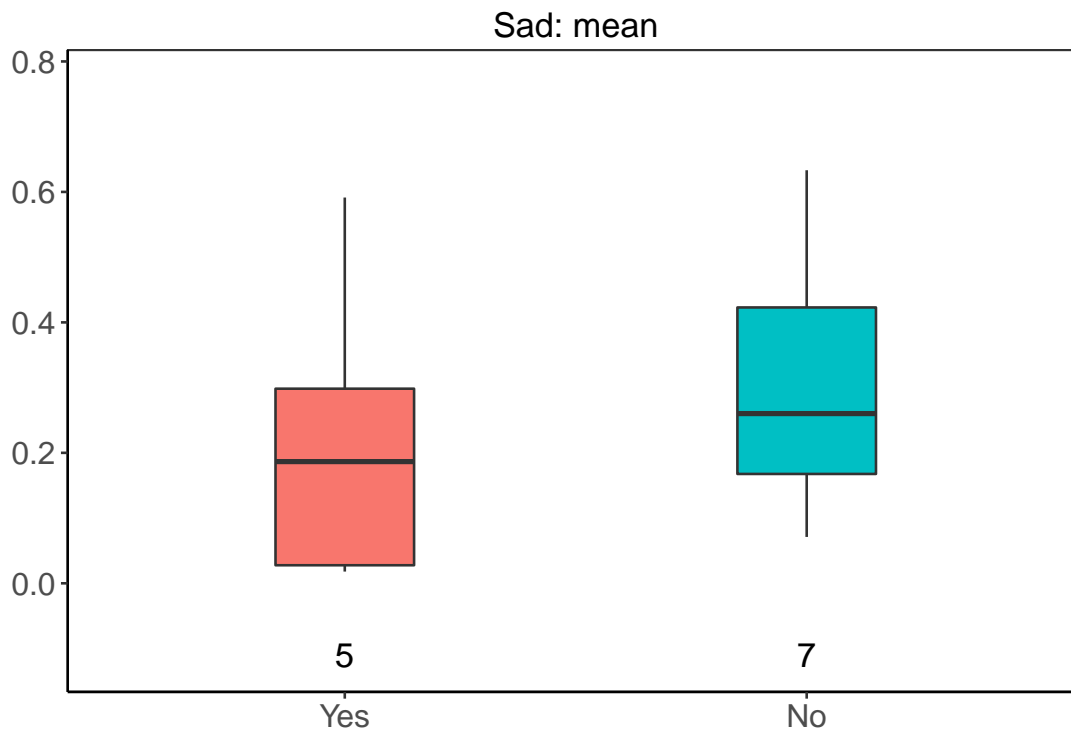
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```

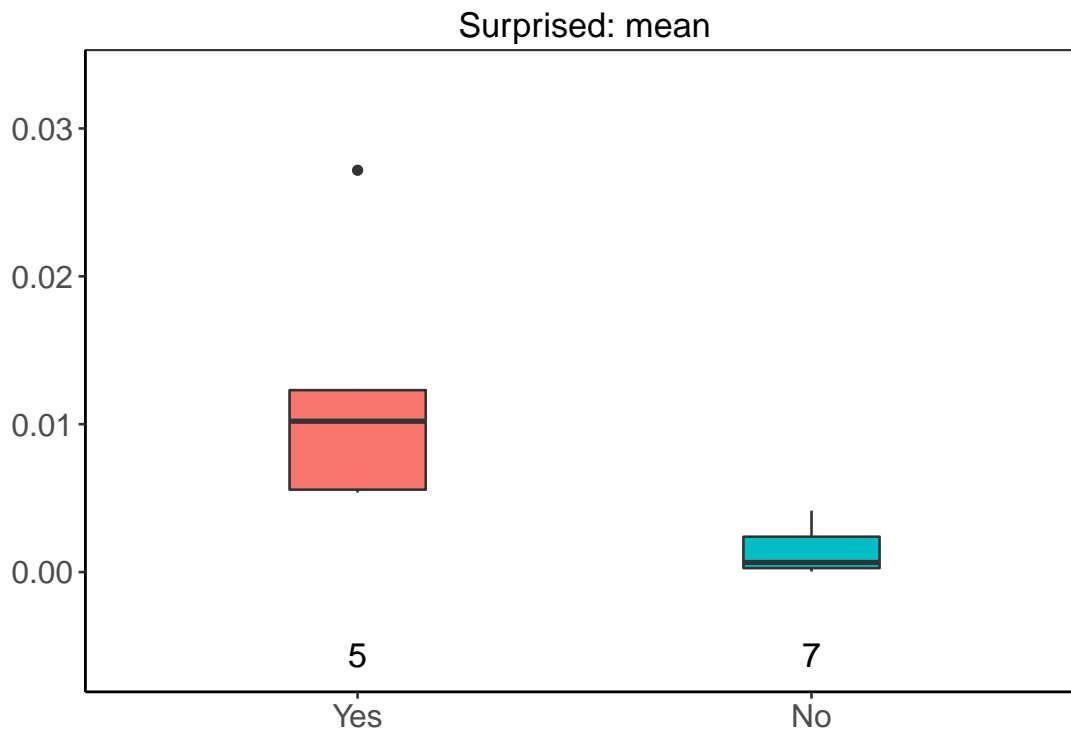
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.14665, df = 9.773, p-value = 0.8864
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.204146 1.055863
## sample estimates:
## mean of x mean of y
## -2.706208 -2.632066
```



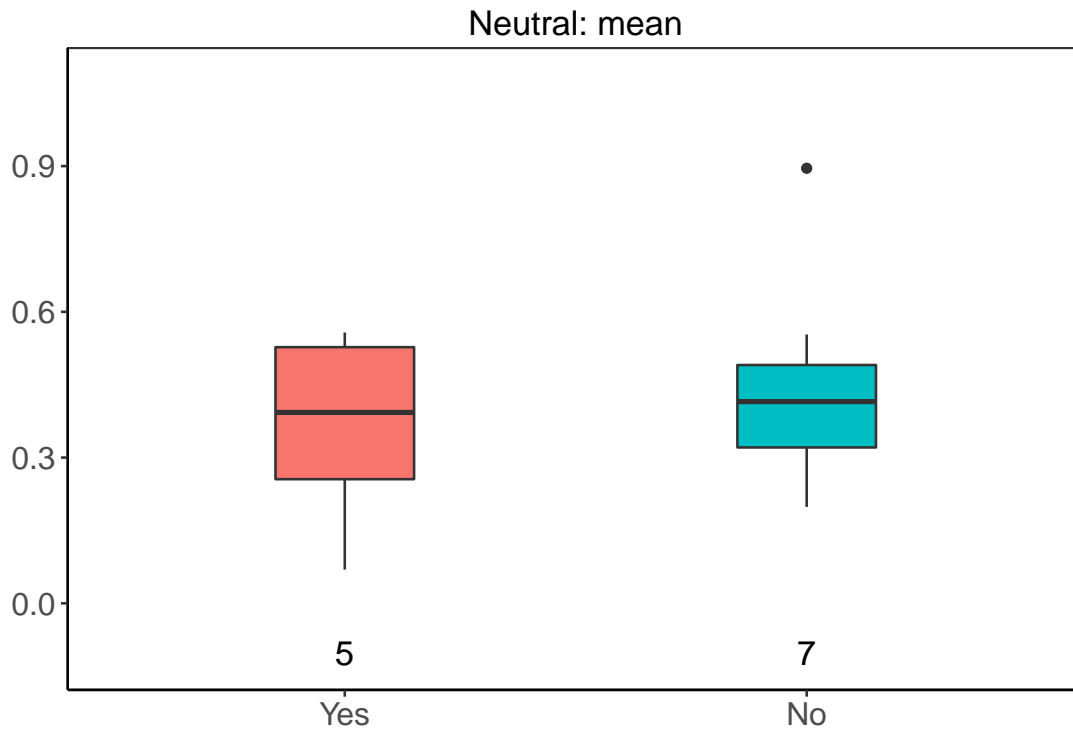
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.8927, df = 9.6836, p-value = 0.01655
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.5674709 4.4475325
## sample estimates:
## mean of x mean of y
## -3.560281 -6.067783
```



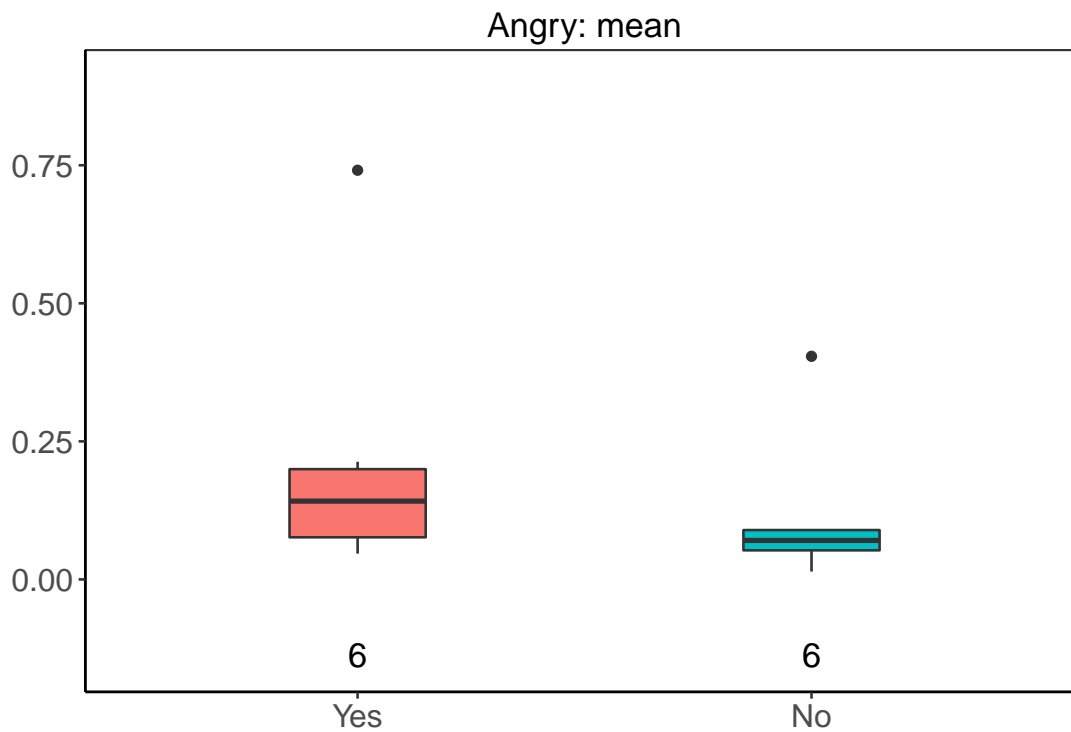
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.62988, df = 7.8573, p-value = 0.5466
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3836451 0.2194354
## sample estimates:
## mean of x mean of y
## 0.2244068 0.3065116
```



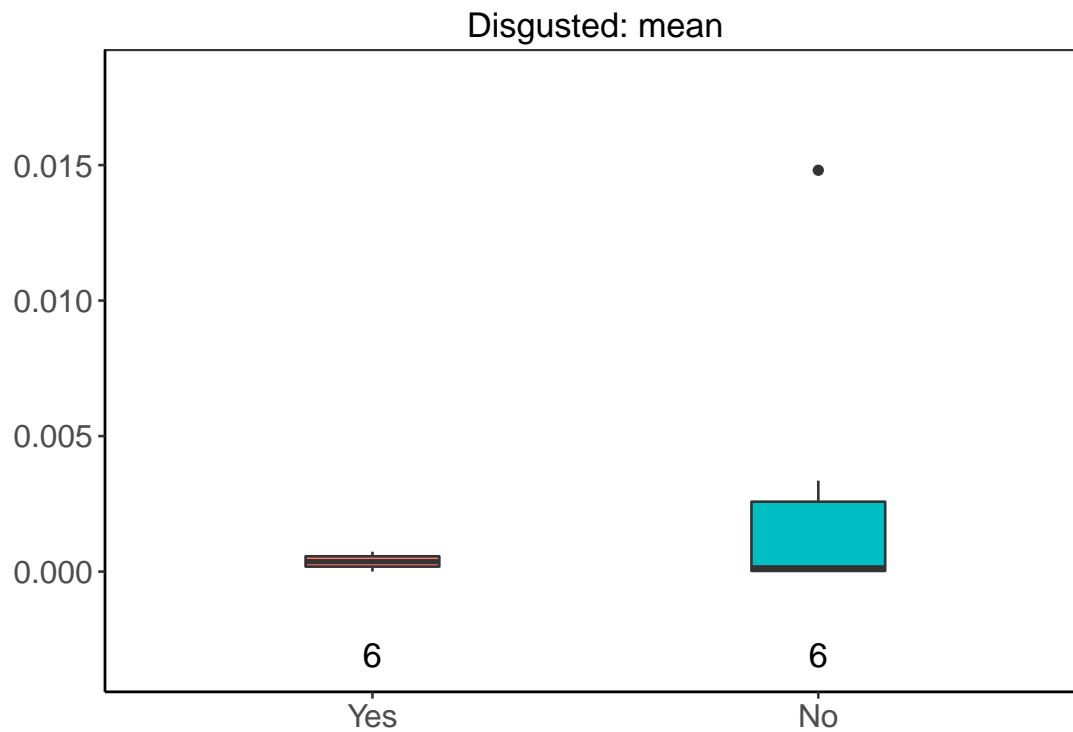
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.6424, df = 4.1982, p-value = 0.05466
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.0003358139 0.0216852057
## sample estimates:
## mean of x mean of y
## 0.012127591 0.001452895
```



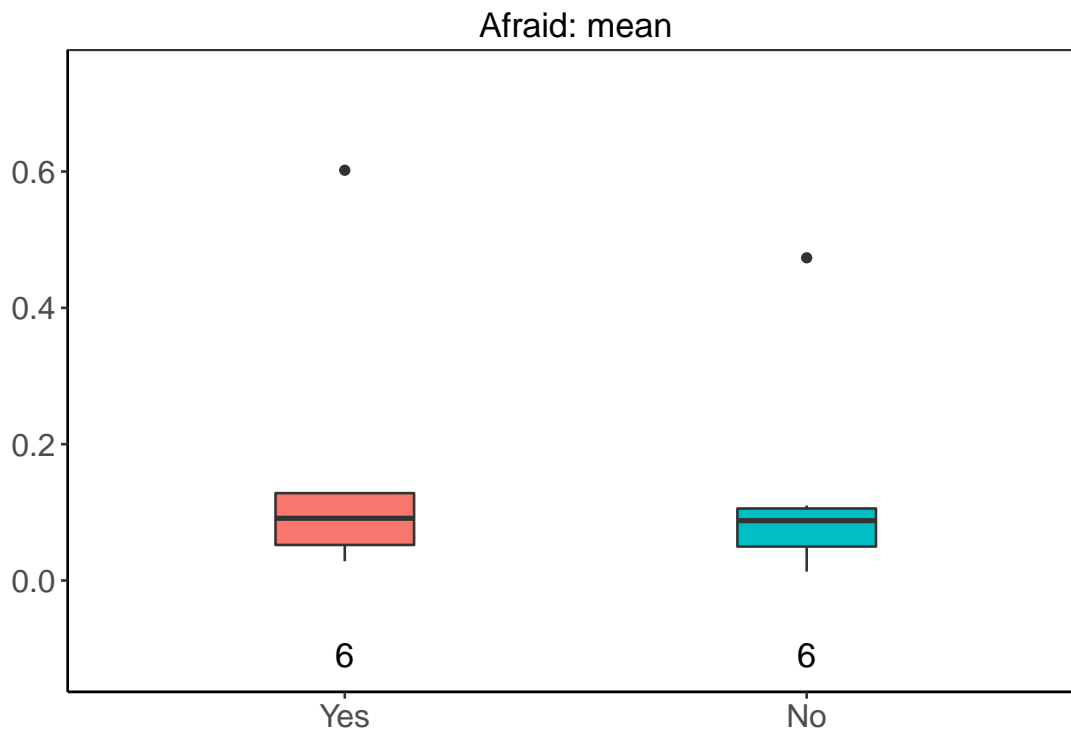
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.69102, df = 9.4659, p-value = 0.5061
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3692784 0.1954702
## sample estimates:
## mean of x mean of y
## 0.3605242 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T083"
## [1] "-----"
```



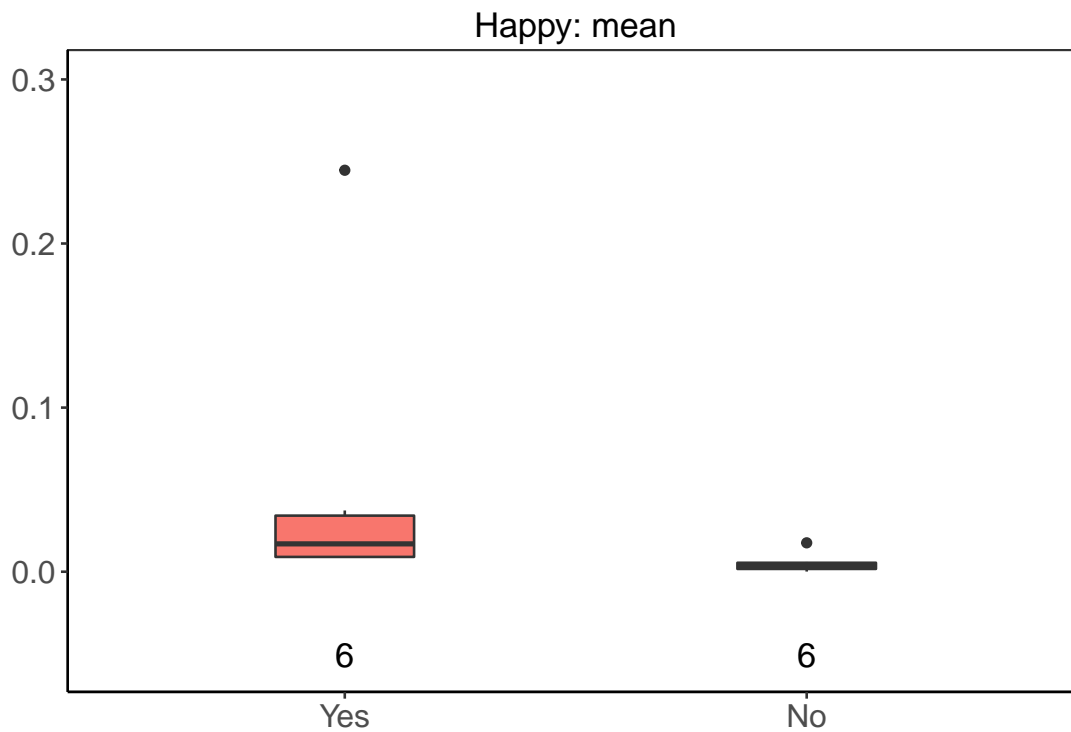
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1784, df = 9.9173, p-value = 0.2661
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.6306906 2.0432694
## sample estimates:
## mean of x mean of y
## -1.940247 -2.646536
```



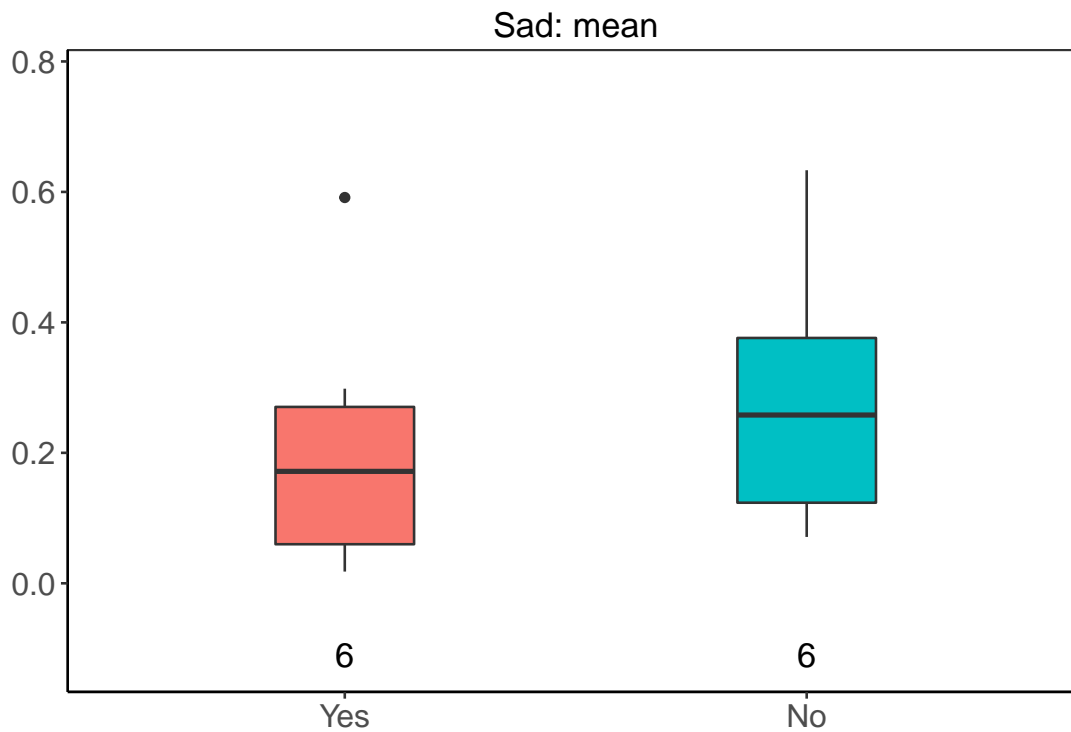
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```



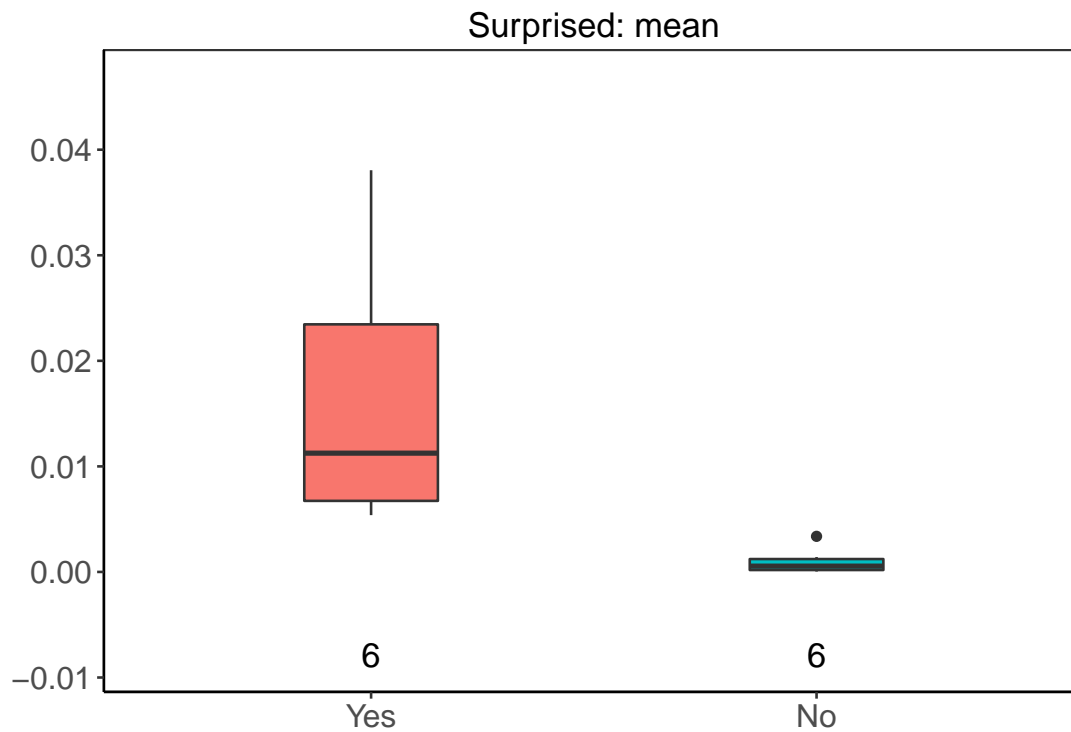
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.3504, df = 9.8842, p-value = 0.7334
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.227043 1.684133
## sample estimates:
## mean of x mean of y
## -2.339799 -2.568344
```

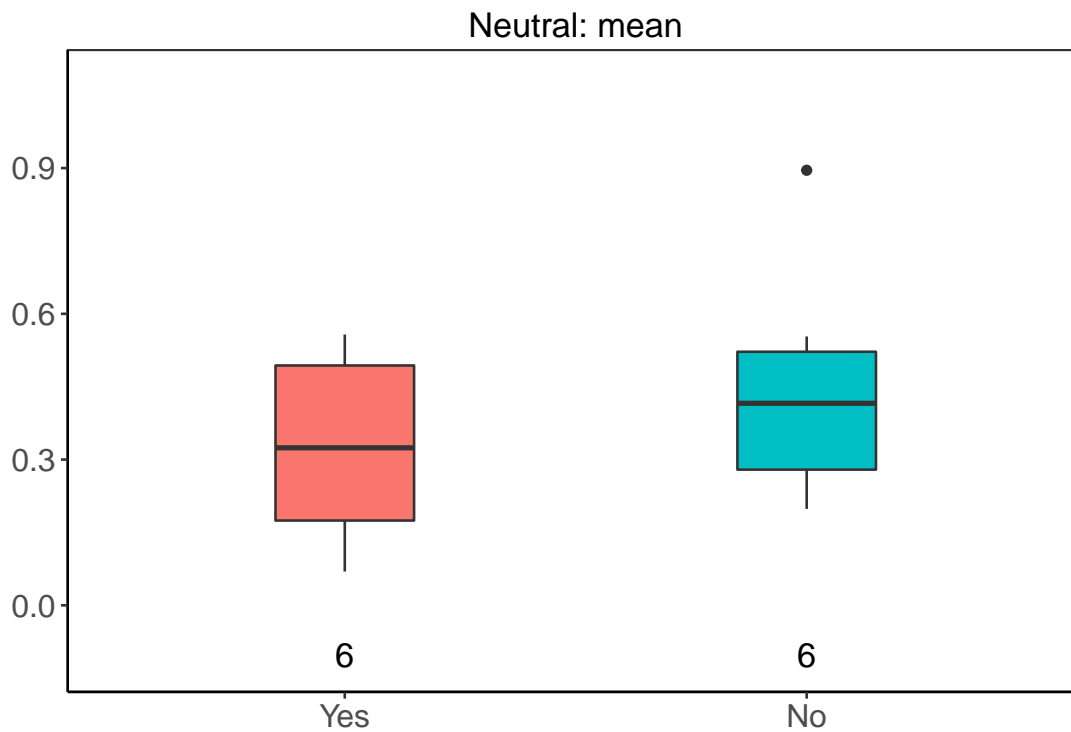
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.5632, df = 9.1338, p-value = 0.03018
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.2775719 4.3707594
## sample estimates:
## mean of x mean of y
## -3.759651 -6.083816
```



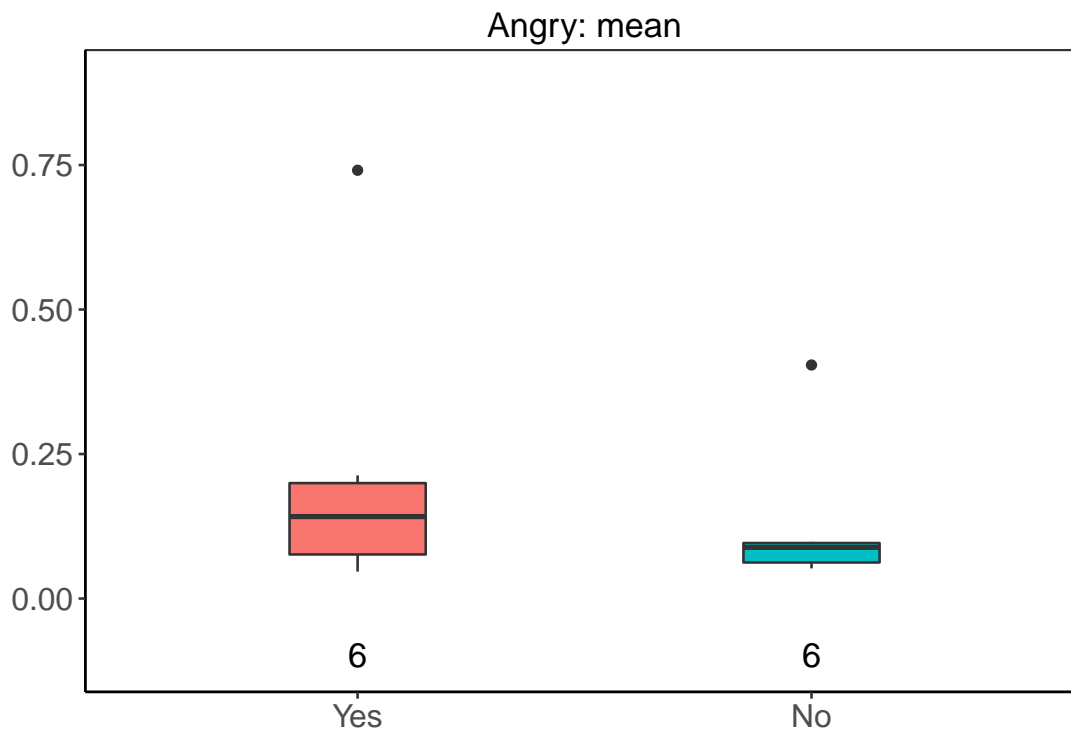
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.59036, df = 10, p-value = 0.568
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3468062 0.2015228
## sample estimates:
## mean of x mean of y
## 0.2131178 0.2857595
```



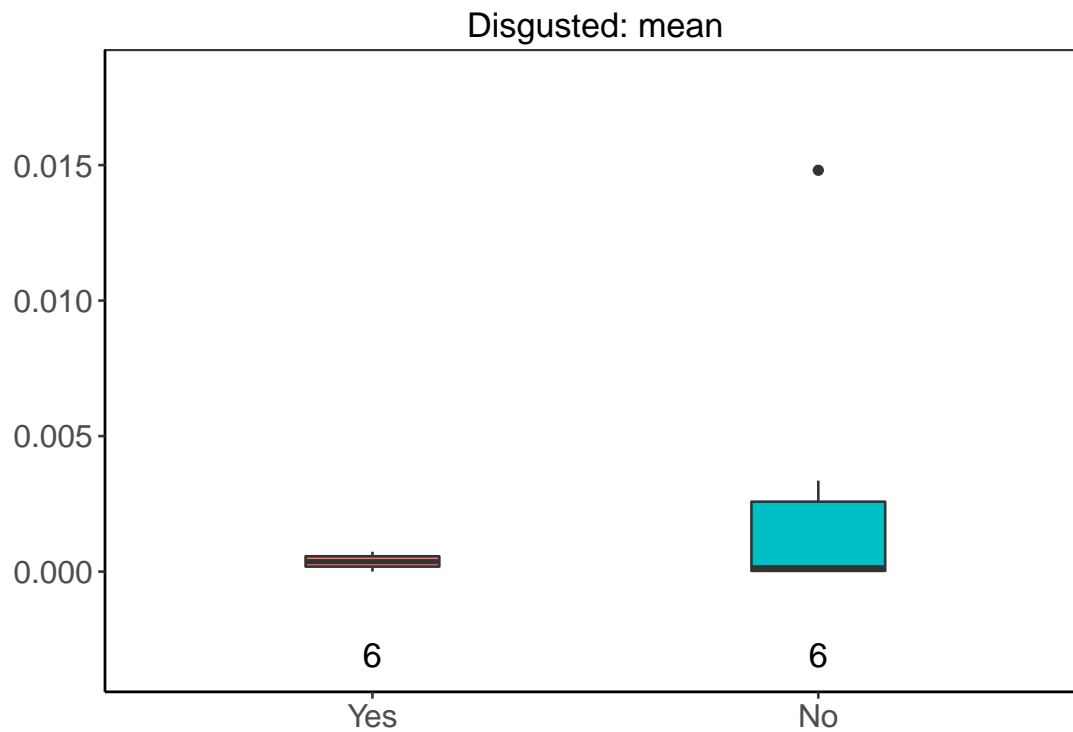
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.8413, df = 5.0909, p-value = 0.03546
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.001546265 0.029345957
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001002318
```



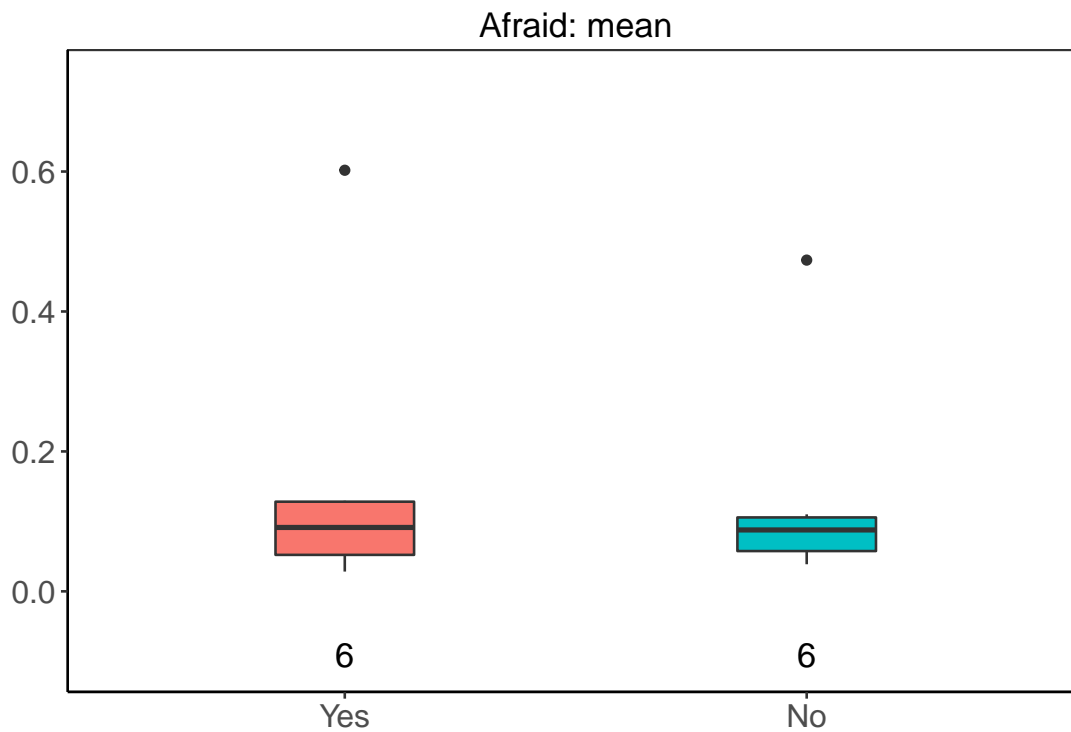
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.9695, df = 9.5055, p-value = 0.3563
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4235693 0.1679866
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4528039
##
## [1] "-----"
## [1] "Removing Participant: T085"
## [1] "-----"
```



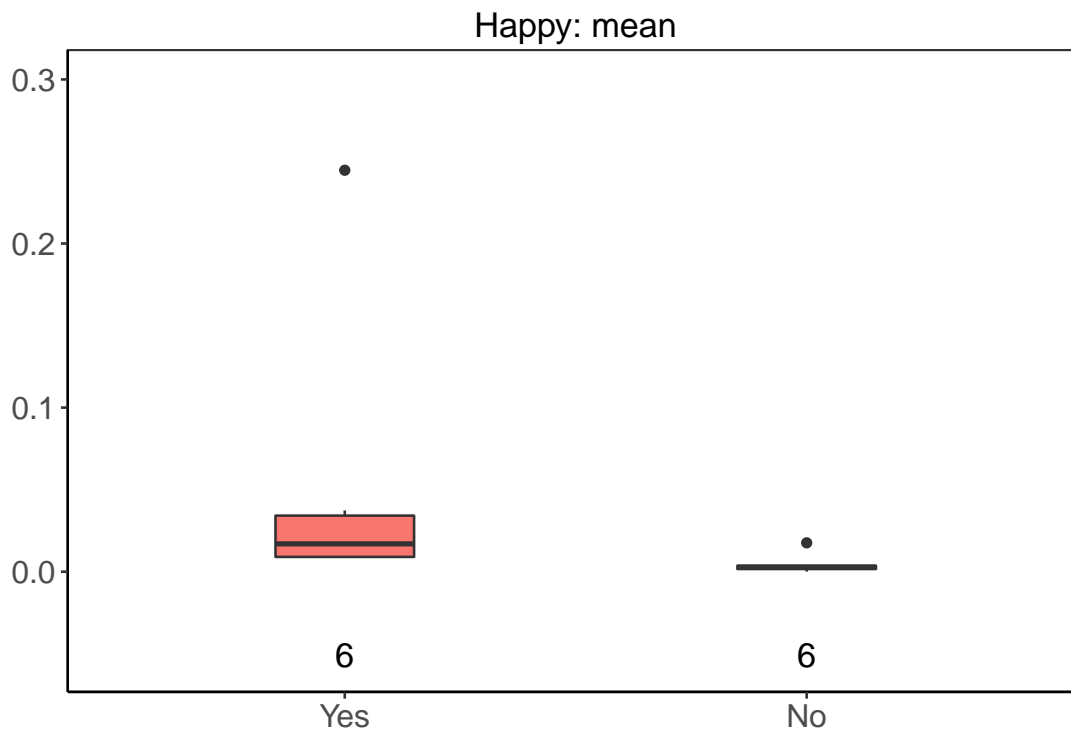
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.75993, df = 9.2927, p-value = 0.4661
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7543694 1.5231231
## sample estimates:
## mean of x mean of y
## -1.940247 -2.324623
```



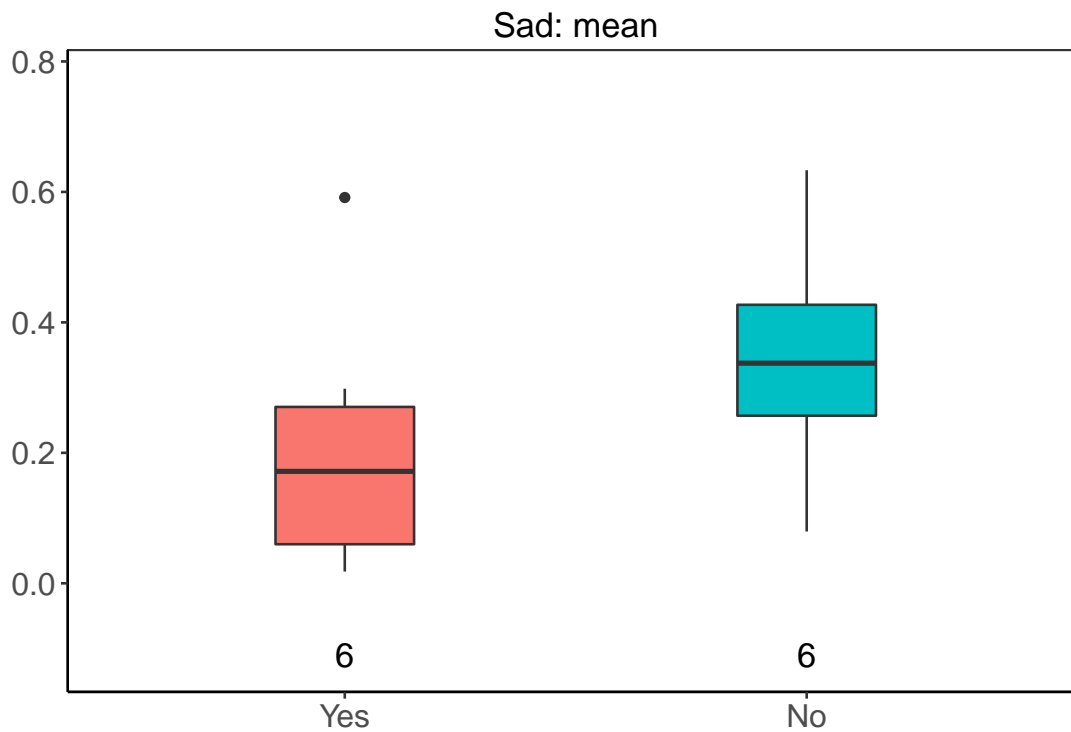
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```



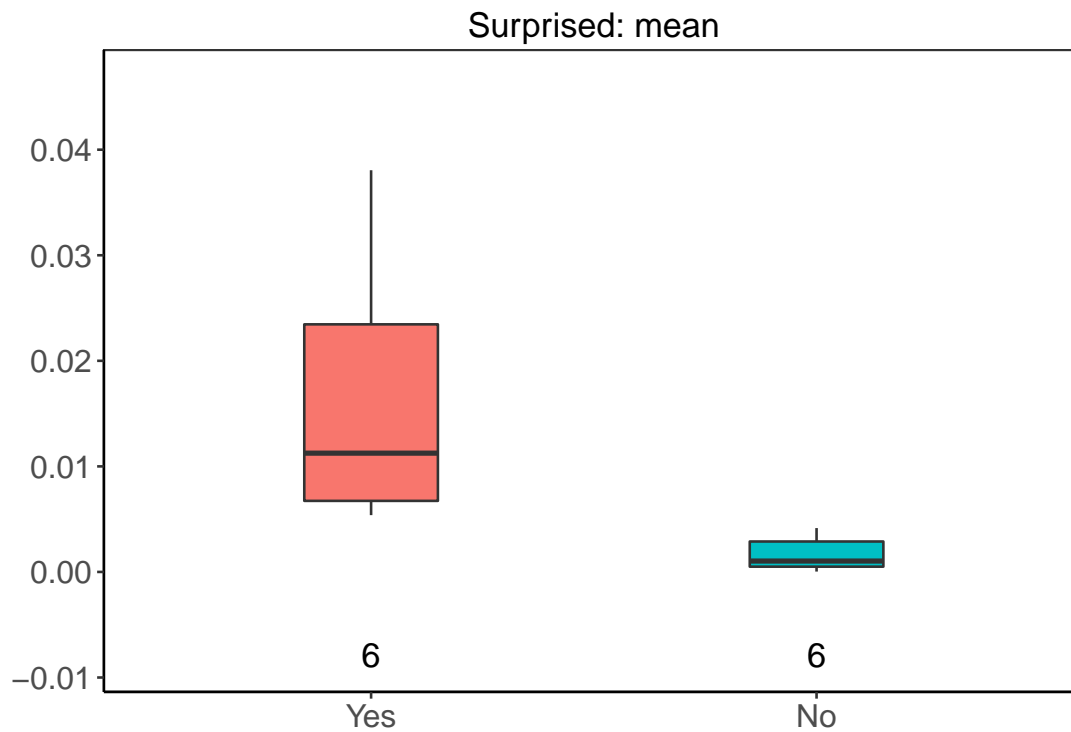
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.015134, df = 9.6462, p-value = 0.9882
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.255006 1.272085
## sample estimates:
## mean of x mean of y
## -2.339799 -2.348338
```



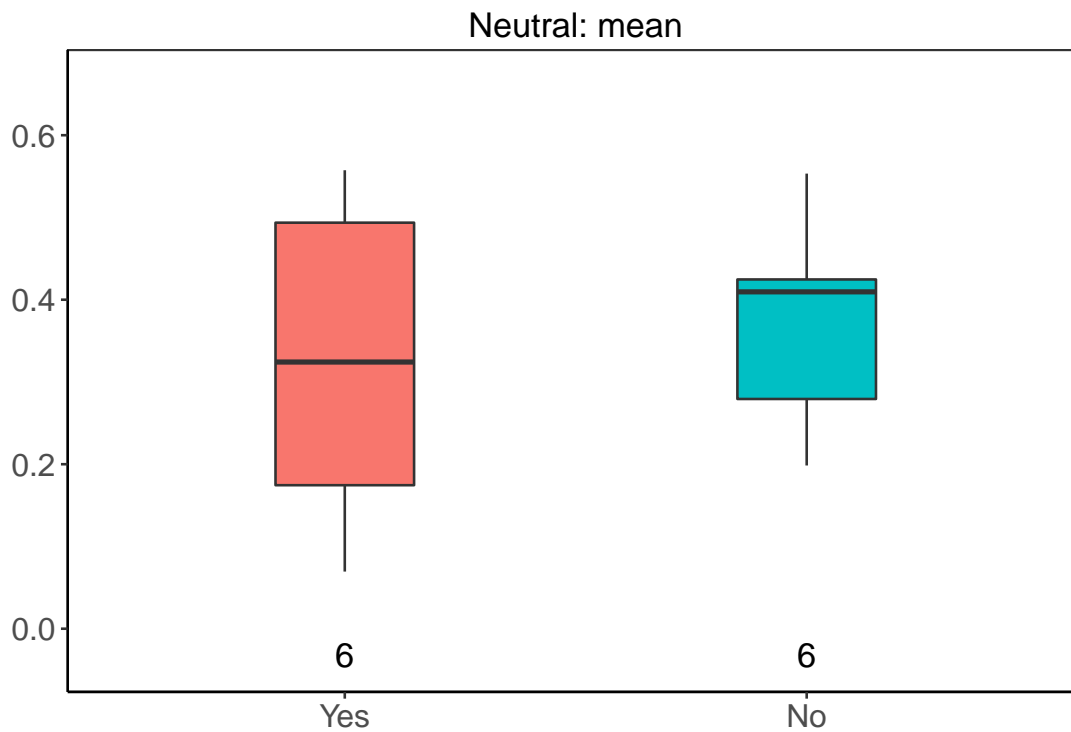
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7772, df = 9.283, p-value = 0.0209
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.4665068 4.4640085
## sample estimates:
## mean of x mean of y
## -3.759651 -6.224908
```

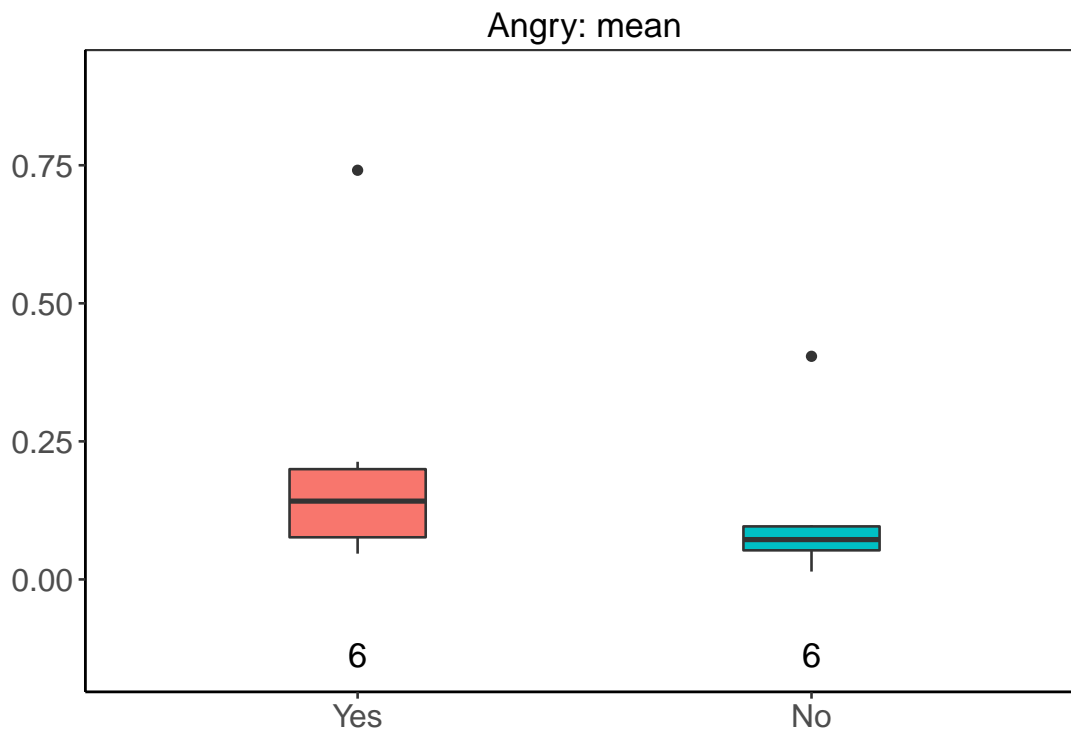
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.1378, df = 9.8758, p-value = 0.2821
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3928029 0.1275488
## sample estimates:
## mean of x mean of y
## 0.2131178 0.3457448
```



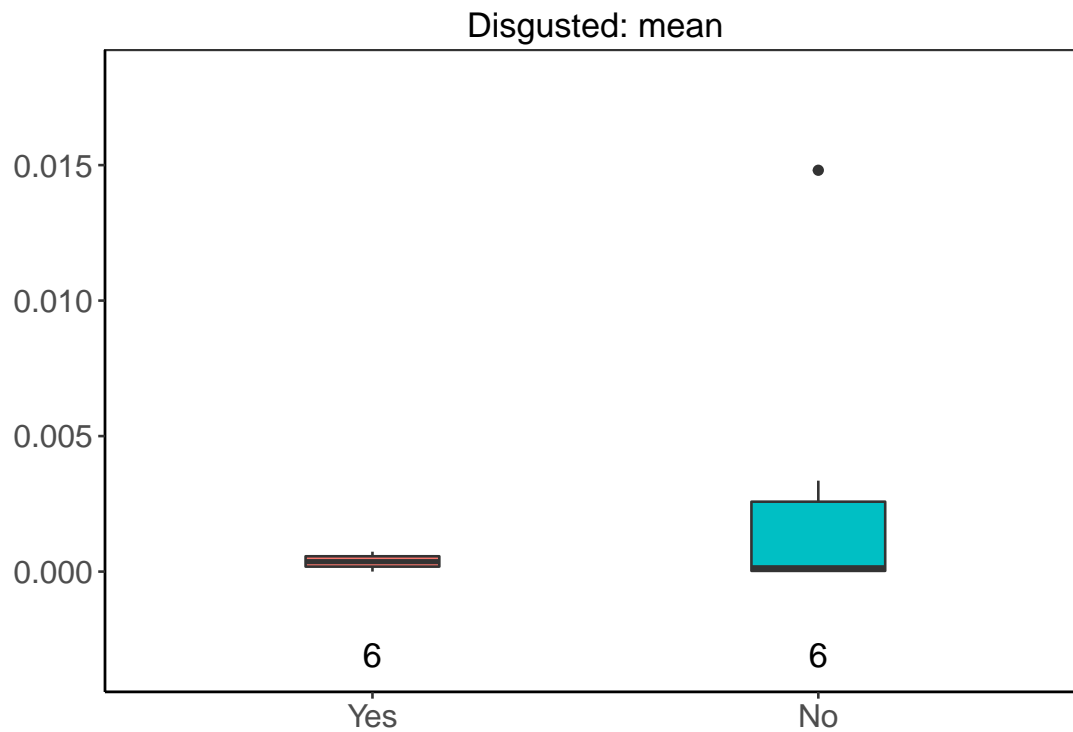
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7069, df = 5.1632, p-value = 0.04105
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0008762226 0.0286607537
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001679942
```



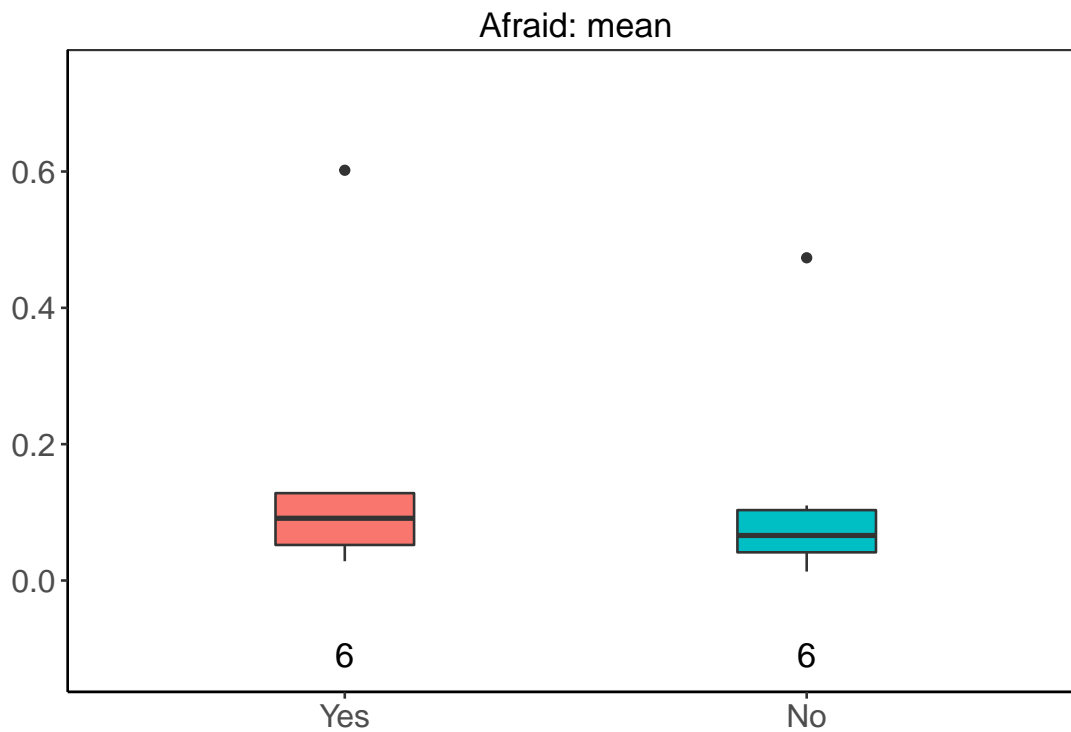
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.48701, df = 8.6432, p-value = 0.6384
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.2708449 0.1753830
## sample estimates:
## mean of x mean of y
## 0.3250125 0.3727434
##
## [1] "-----"
## [1] "Removing Participant: T106"
## [1] "-----"
```



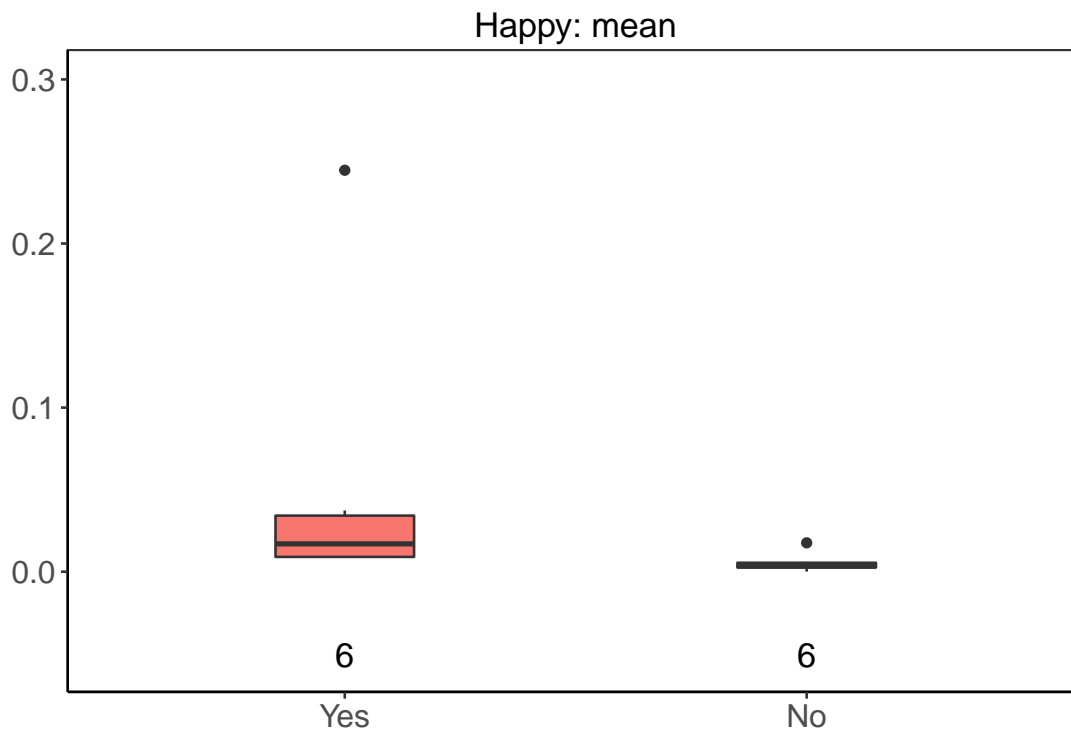
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1422, df = 9.9079, p-value = 0.2802
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.6543855 2.0274033
## sample estimates:
## mean of x mean of y
## -1.940247 -2.626756
```



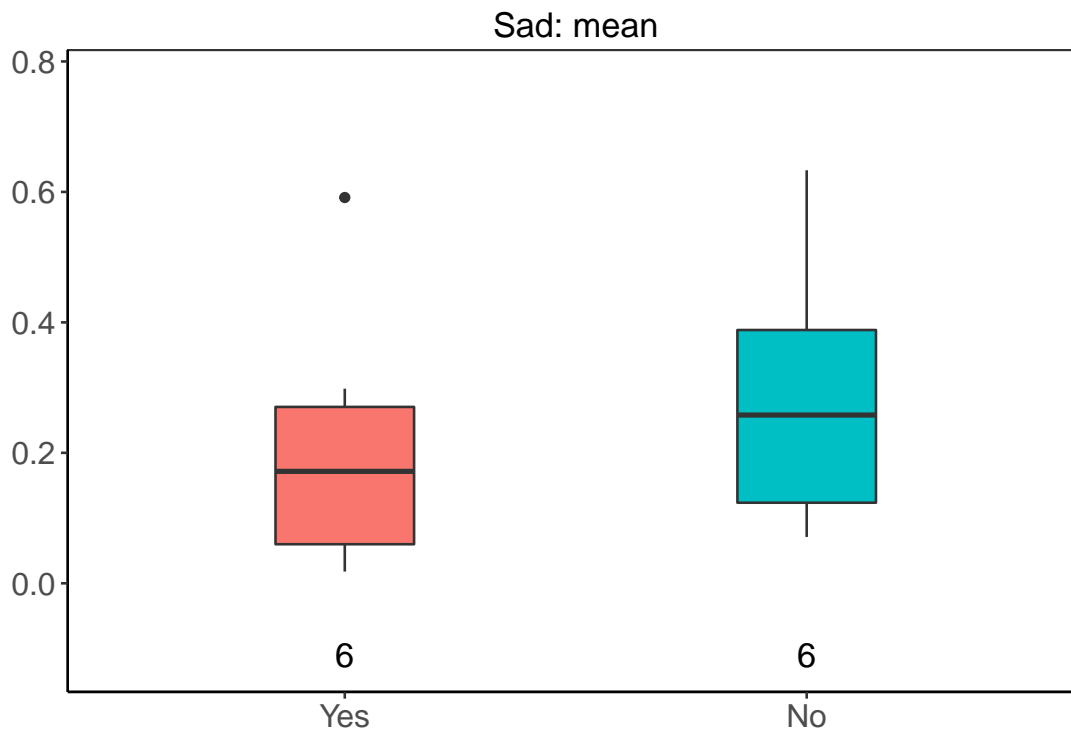
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```



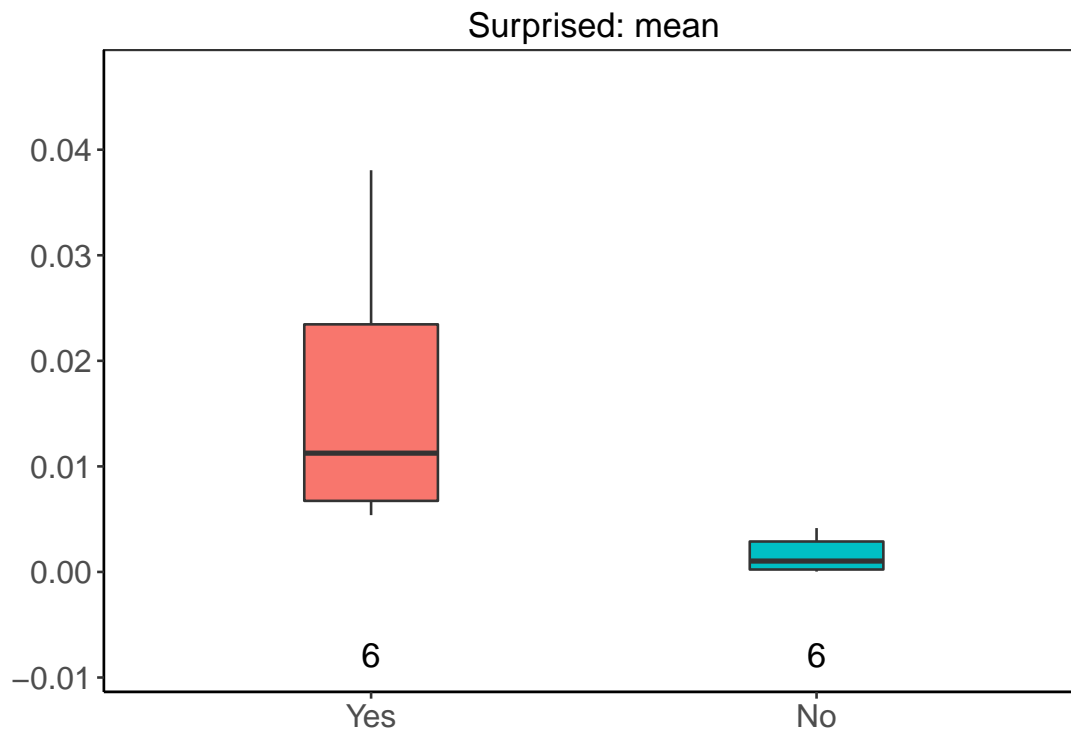
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.51031, df = 9.8696, p-value = 0.6211
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.127303 1.795513
## sample estimates:
## mean of x mean of y
## -2.339799 -2.673904
```



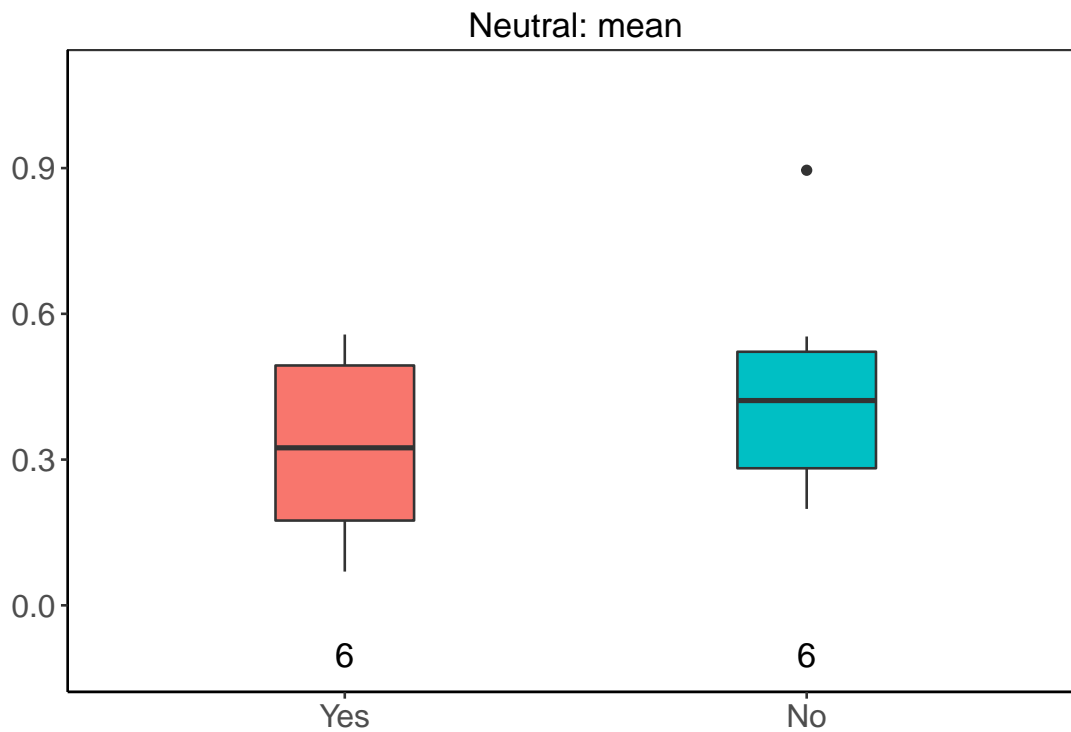
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.4619, df = 9.1827, p-value = 0.03555
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.1860654 4.2478272
## sample estimates:
## mean of x mean of y
## -3.759651 -5.976597
```



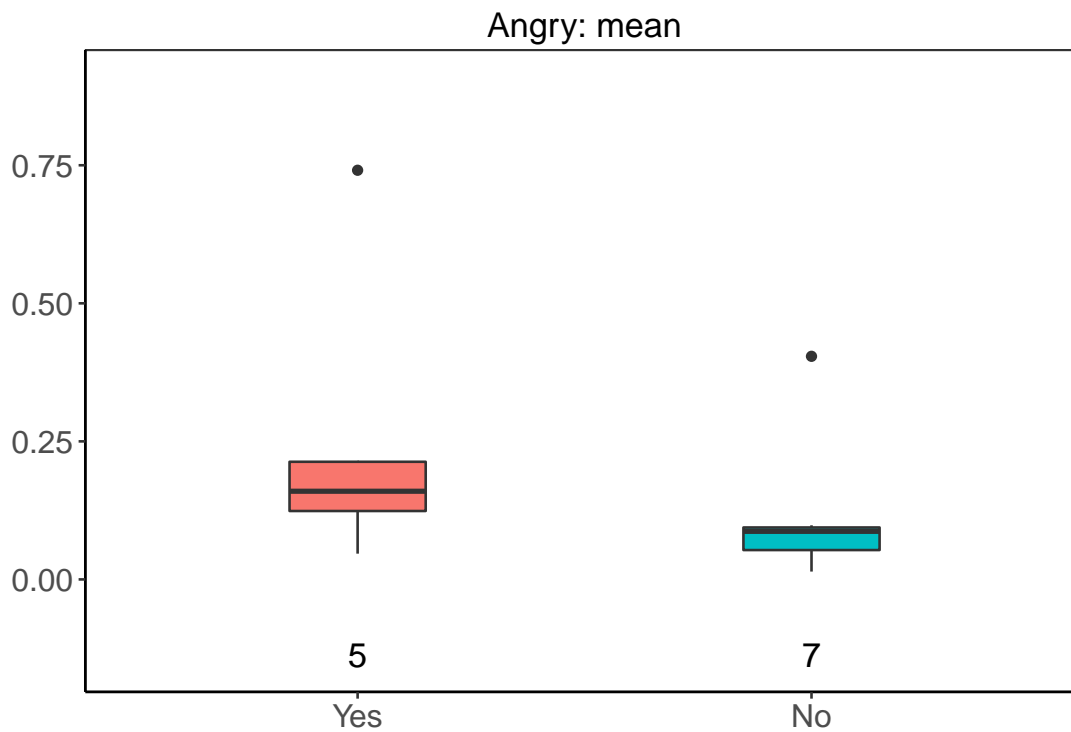
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.60943, df = 9.9987, p-value = 0.5558
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3508504 0.2001469
## sample estimates:
## mean of x mean of y
## 0.2131178 0.2884695
```

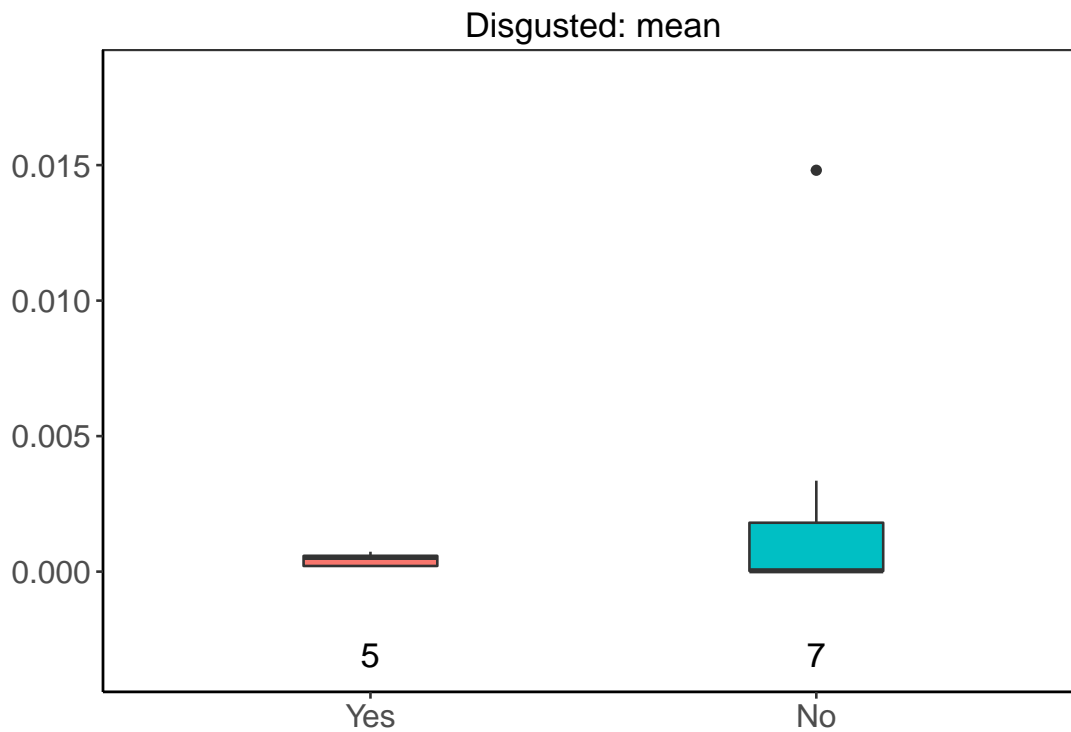
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7164, df = 5.1745, p-value = 0.04048
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0009373047 0.0287197281
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001619913
```



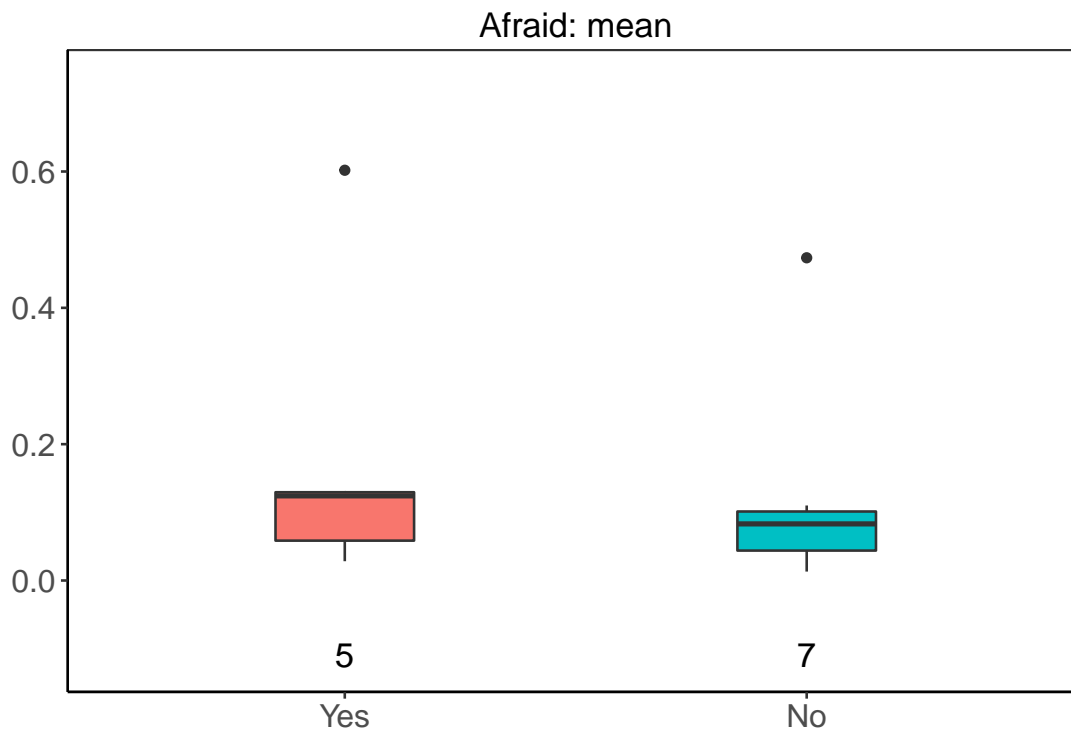
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.98465, df = 9.5116, p-value = 0.3492
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4251328 0.1658055
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4546762
##
## [1] "-----"
## [1] "Removing Participant: T139"
## [1] "-----"
```



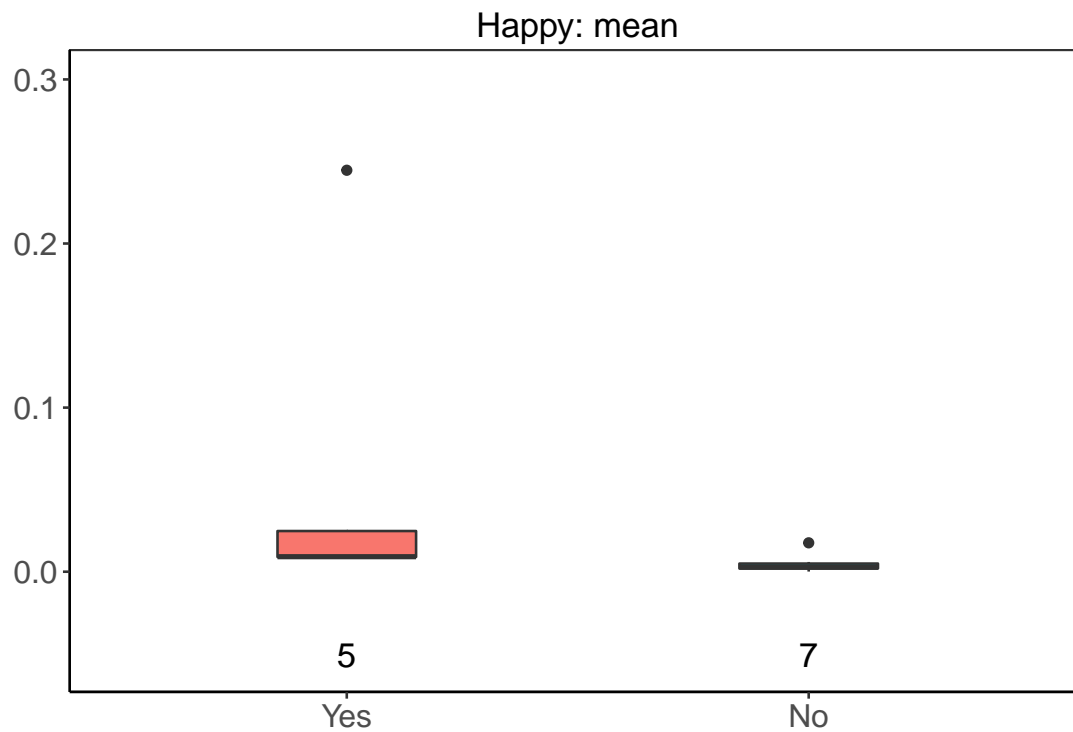
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.4254, df = 8.7613, p-value = 0.1887
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4948043 2.1616443
## sample estimates:
## mean of x mean of y
## -1.766873 -2.600293
```



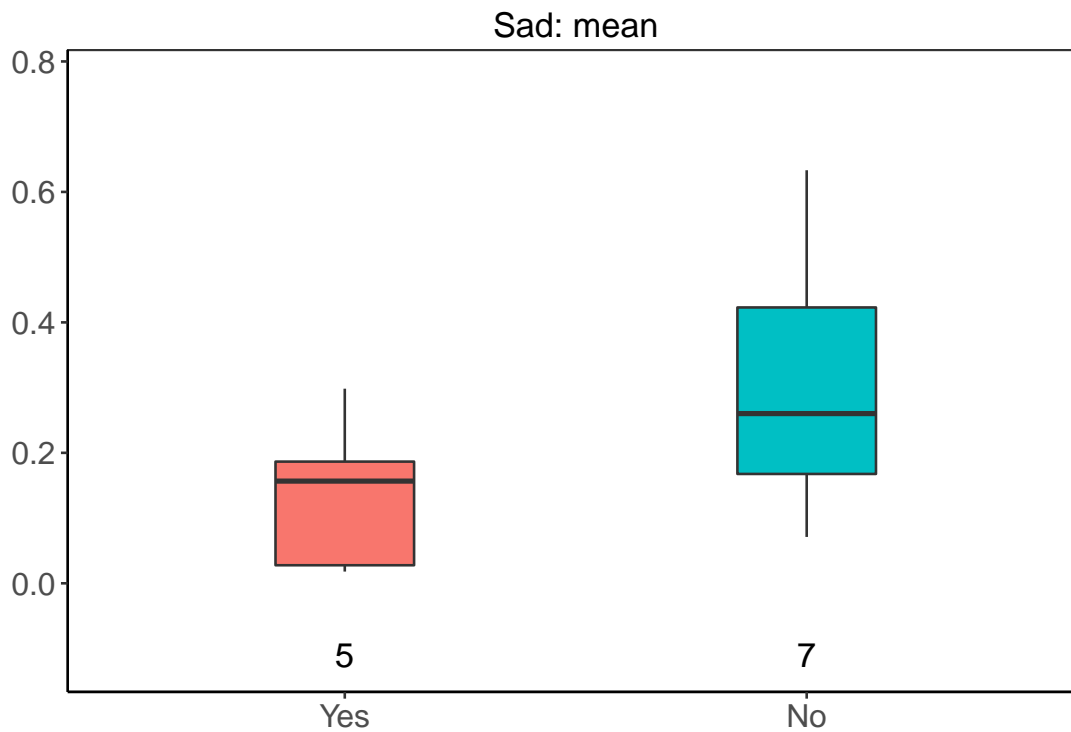
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.94554, df = 6.6944, p-value = 0.3773
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.773537 4.100781
## sample estimates:
## mean of x mean of y
## -7.872137 -9.035760
```



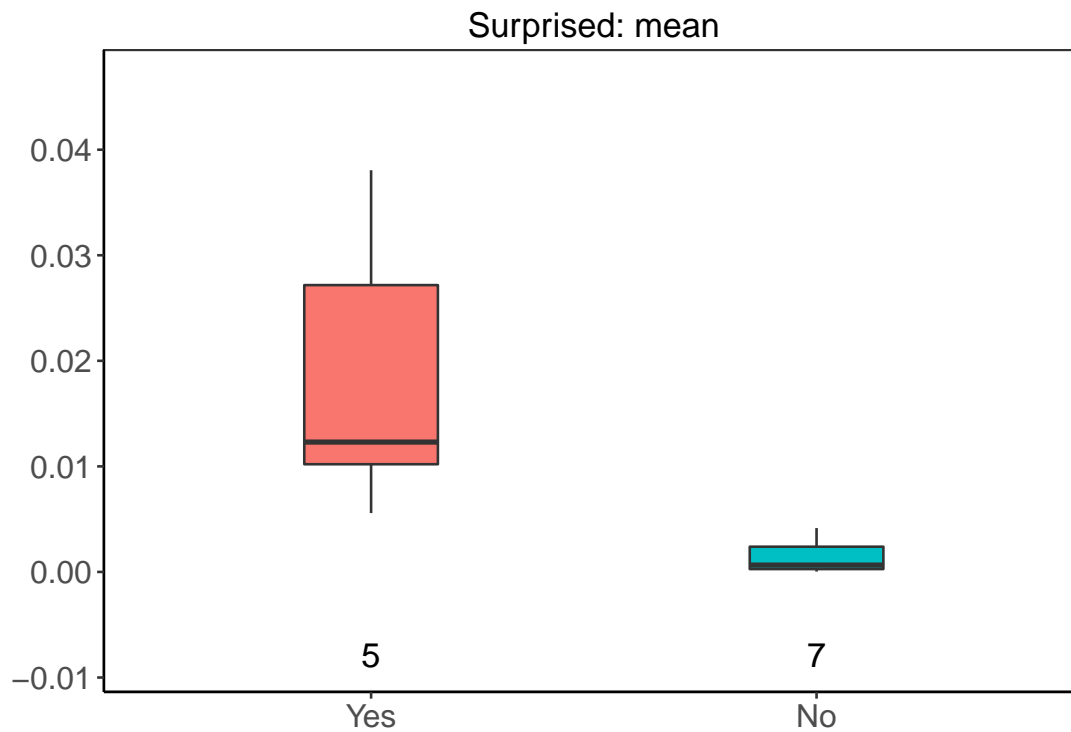
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.64491, df = 8.5707, p-value = 0.5359
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.073337 1.920261
## sample estimates:
## mean of x mean of y
## -2.208604 -2.632066
```



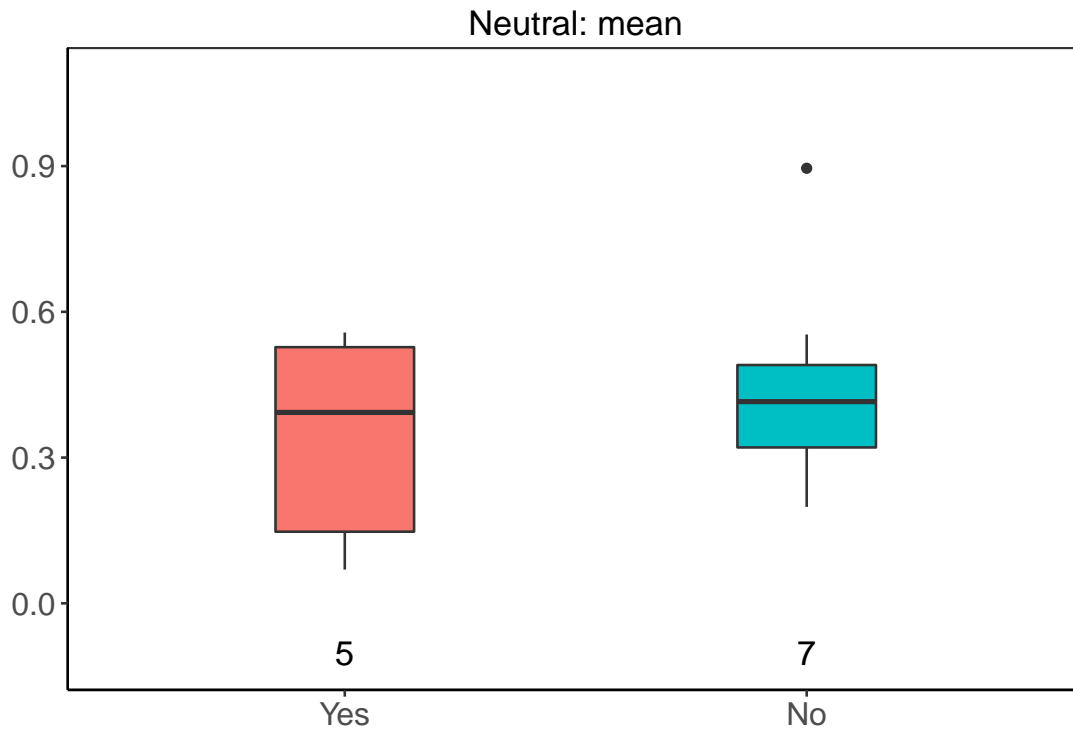
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 32, p-value = 0.01768
## alternative hypothesis: true location shift is not equal to 0
```



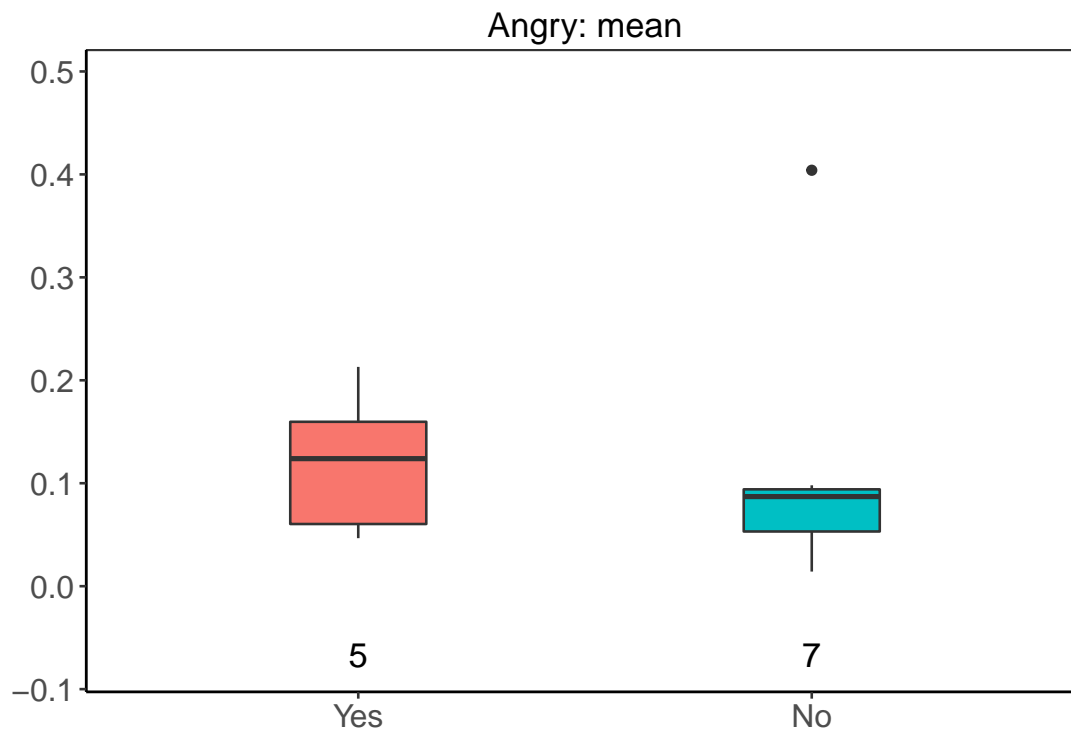
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.8232, df = 9.7389, p-value = 0.09907
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.37639534 0.03830146
## sample estimates:
## mean of x mean of y
## 0.1374647 0.3065116
```



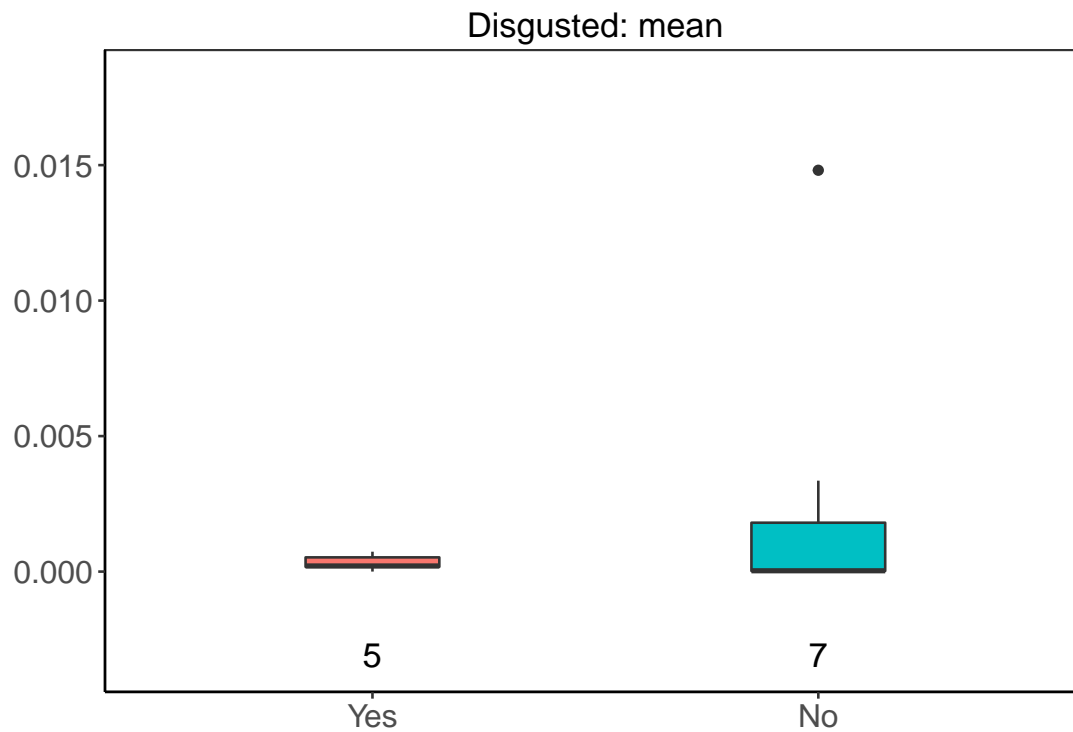
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.83, df = 4.0861, p-value = 0.04619
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0004650931 0.0339525189
## sample estimates:
##  mean of x   mean of y
## 0.018661701 0.001452895
```

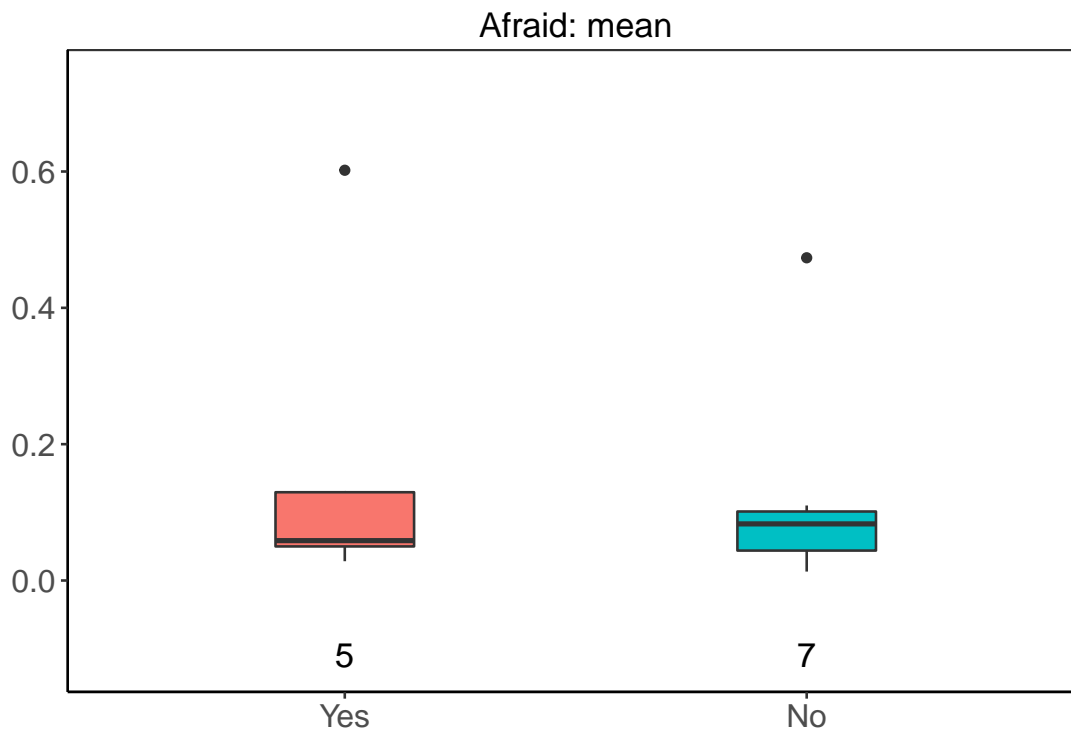
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.82227, df = 9.0269, p-value = 0.4321
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4069414 0.1898986
## sample estimates:
## mean of x mean of y
## 0.3389069 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T144"
## [1] "-----"
```



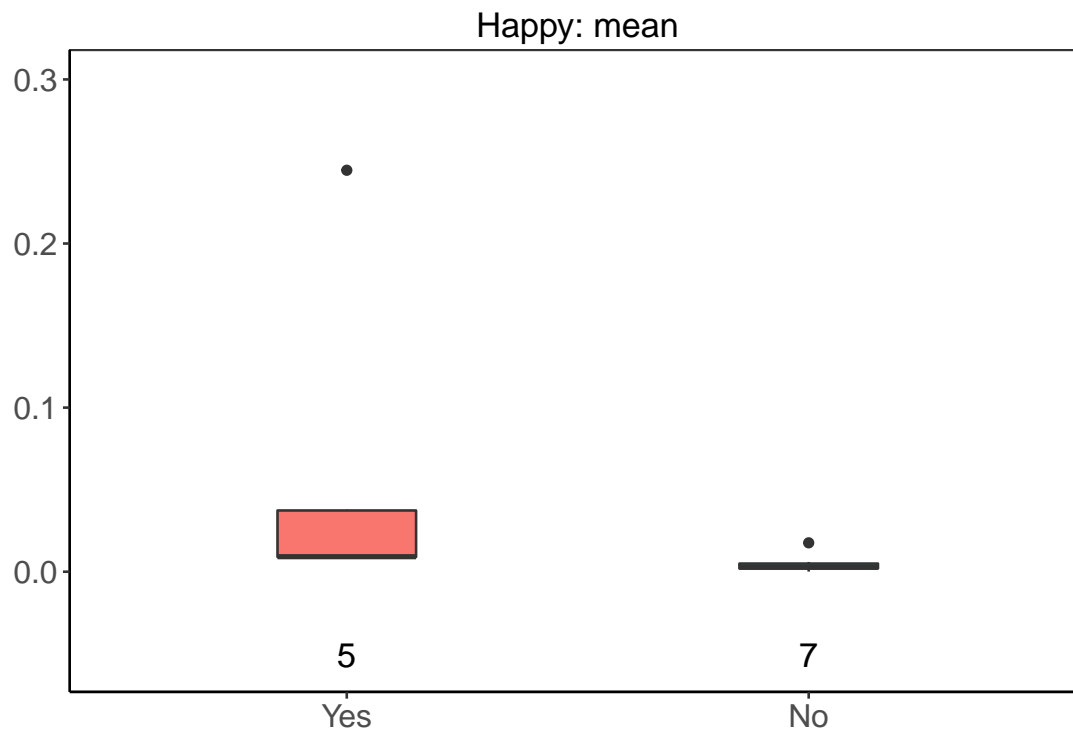
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.69903, df = 9.9617, p-value = 0.5005
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7266921 1.3905987
## sample estimates:
## mean of x mean of y
## -2.268340 -2.600293
```



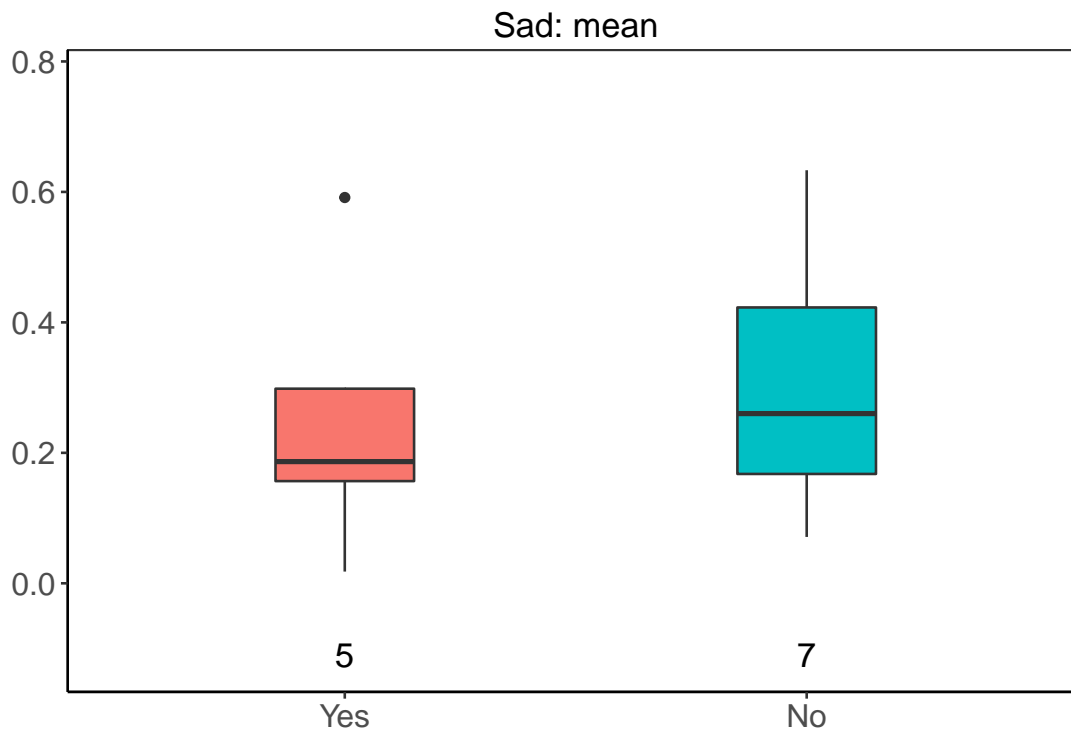
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```



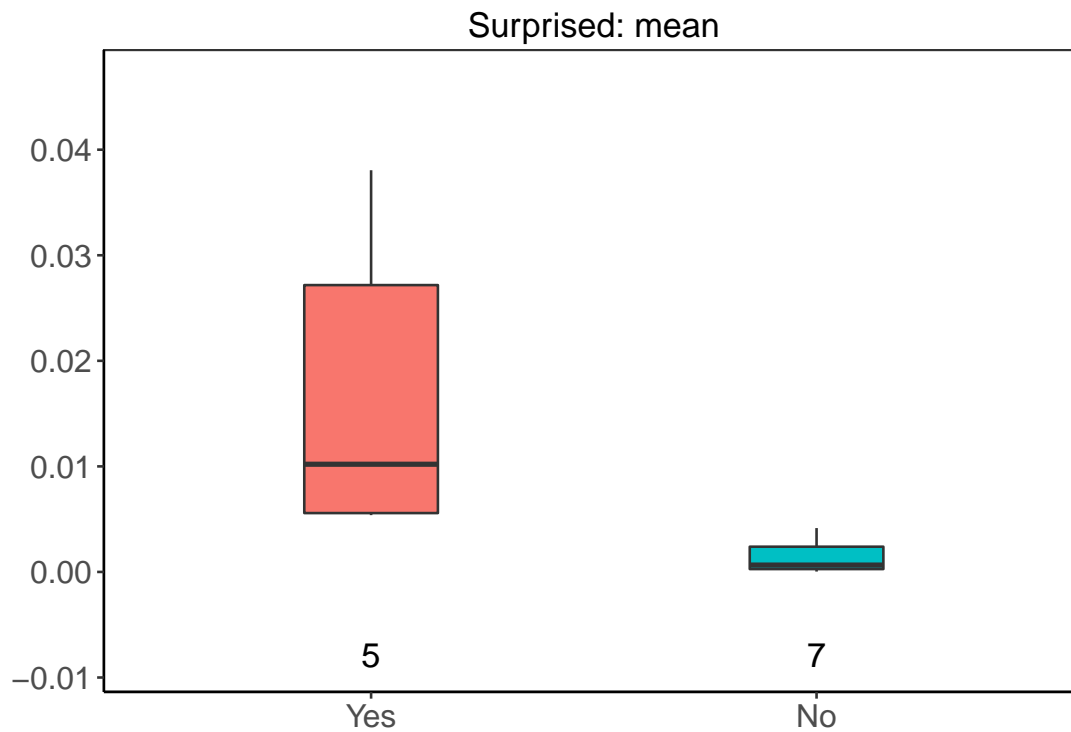
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.35883, df = 8.3289, p-value = 0.7286
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.300103 1.783191
## sample estimates:
## mean of x mean of y
## -2.390522 -2.632066
```



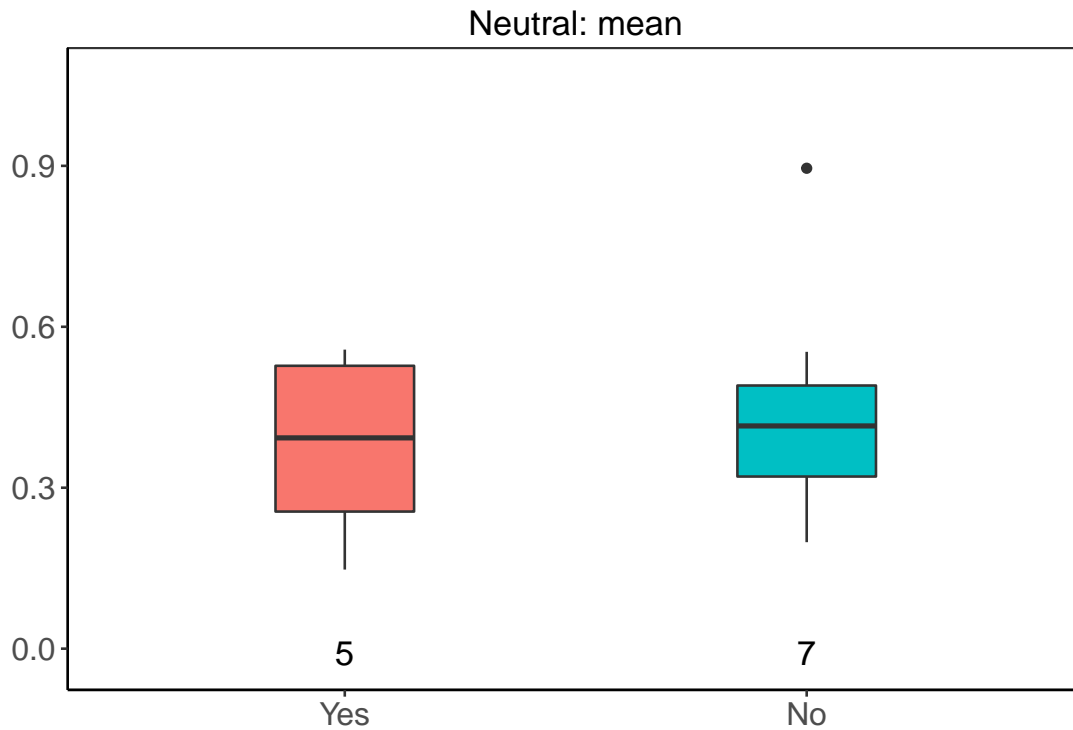
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 32, p-value = 0.01768
## alternative hypothesis: true location shift is not equal to 0
```



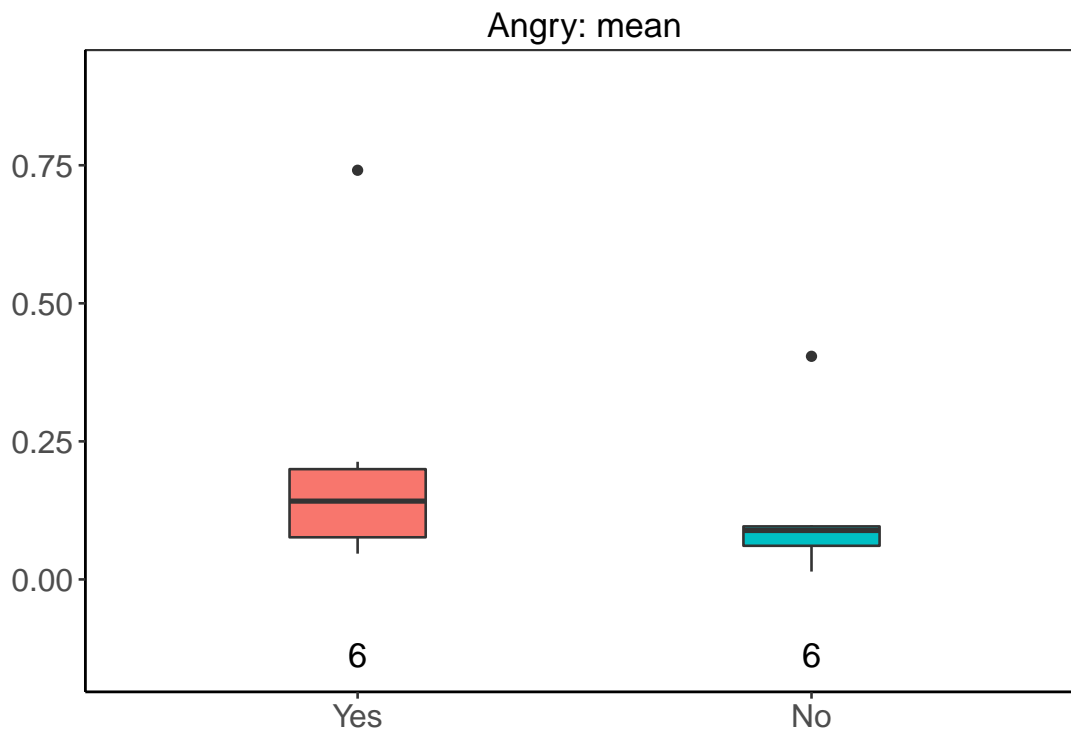
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.45794, df = 8.4075, p-value = 0.6586
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3374804 0.2248648
## sample estimates:
## mean of x mean of y
## 0.2502038 0.3065116
```



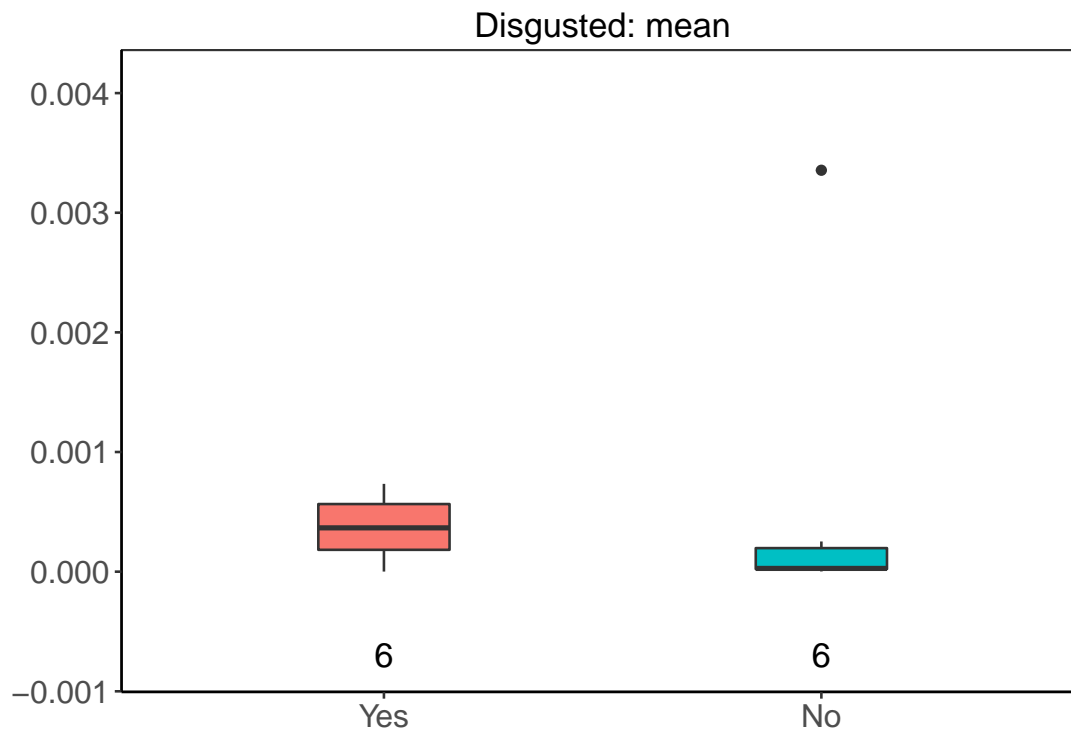
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.405, df = 4.0734, p-value = 0.0728
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.002314829 0.033963808
## sample estimates:
## mean of x mean of y
## 0.017277385 0.001452895
```



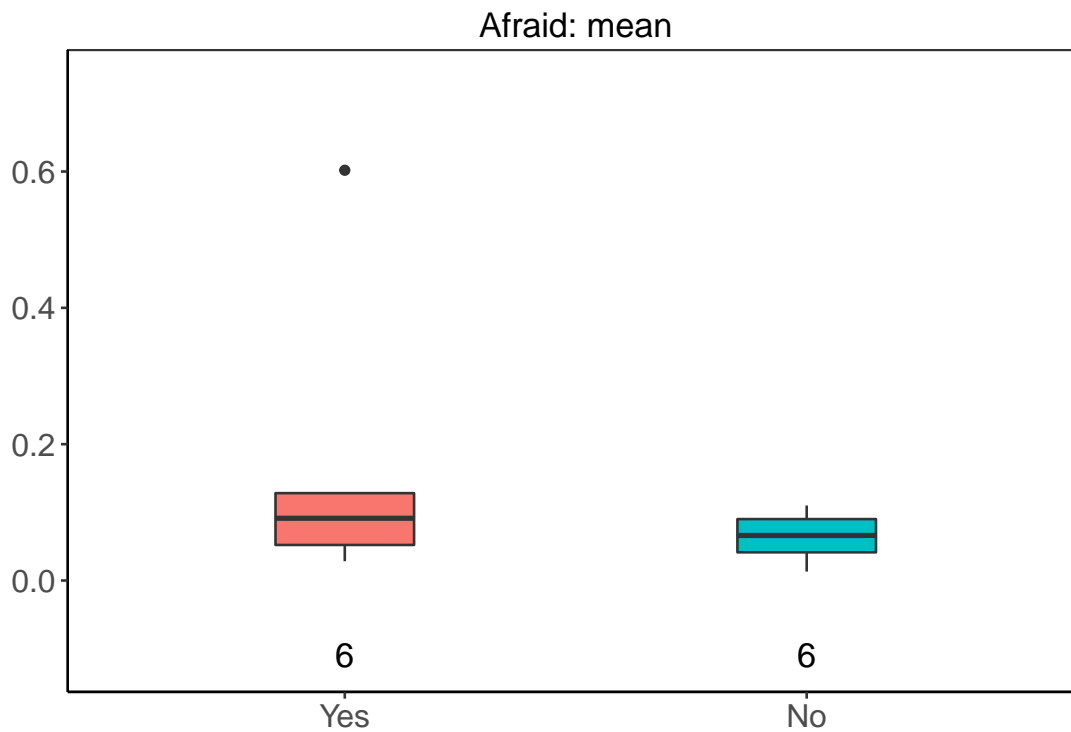
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.60726, df = 9.9151, p-value = 0.5573
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3332708 0.1906479
## sample estimates:
## mean of x mean of y
## 0.3761168 0.4474283
##
## [1] "-----"
## [1] "Removing Participant: T166"
## [1] "-----"
```

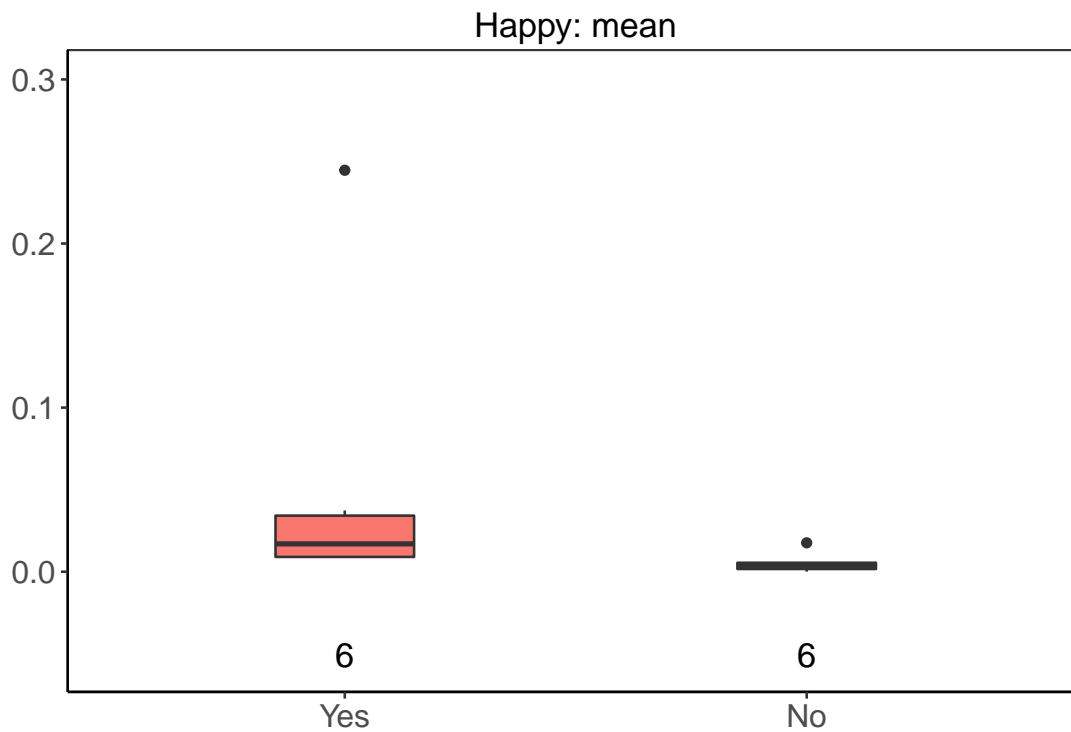
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.0144, df = 9.9214, p-value = 0.3345
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7279743 1.9424421
## sample estimates:
## mean of x mean of y
## -1.940247 -2.547481
```



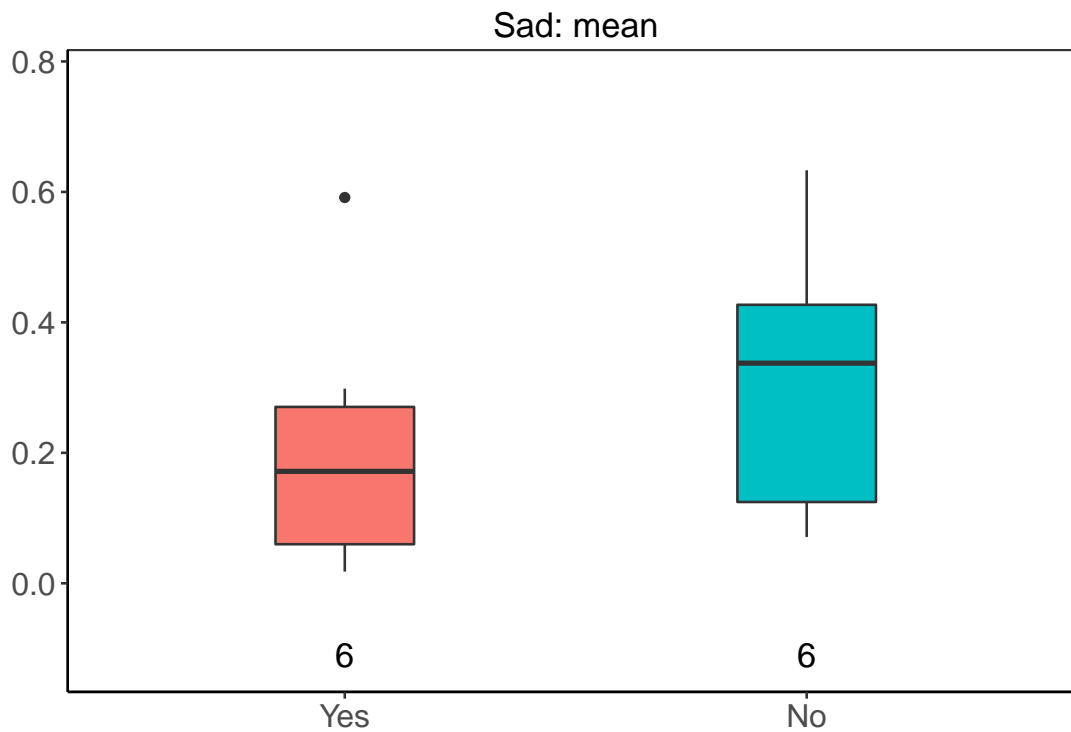
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 23, p-value = 0.4848
## alternative hypothesis: true location shift is not equal to 0
```



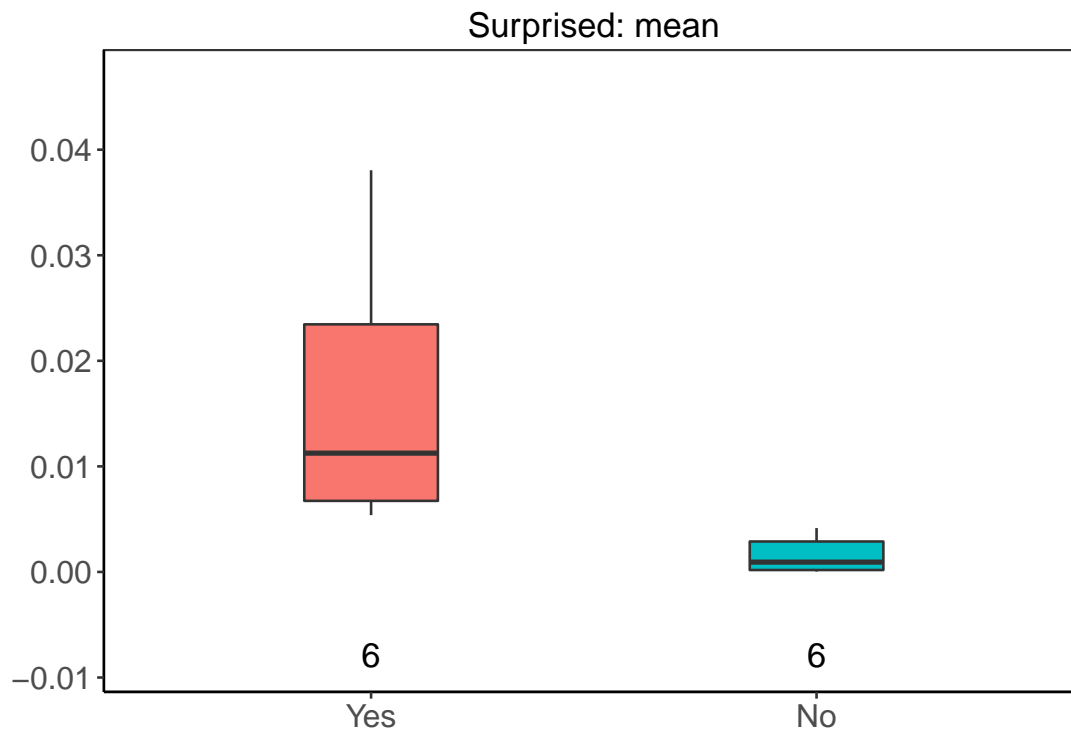
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1201, df = 9.2009, p-value = 0.2911
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.6141624 1.8267938
## sample estimates:
## mean of x mean of y
## -2.339799 -2.946114
```



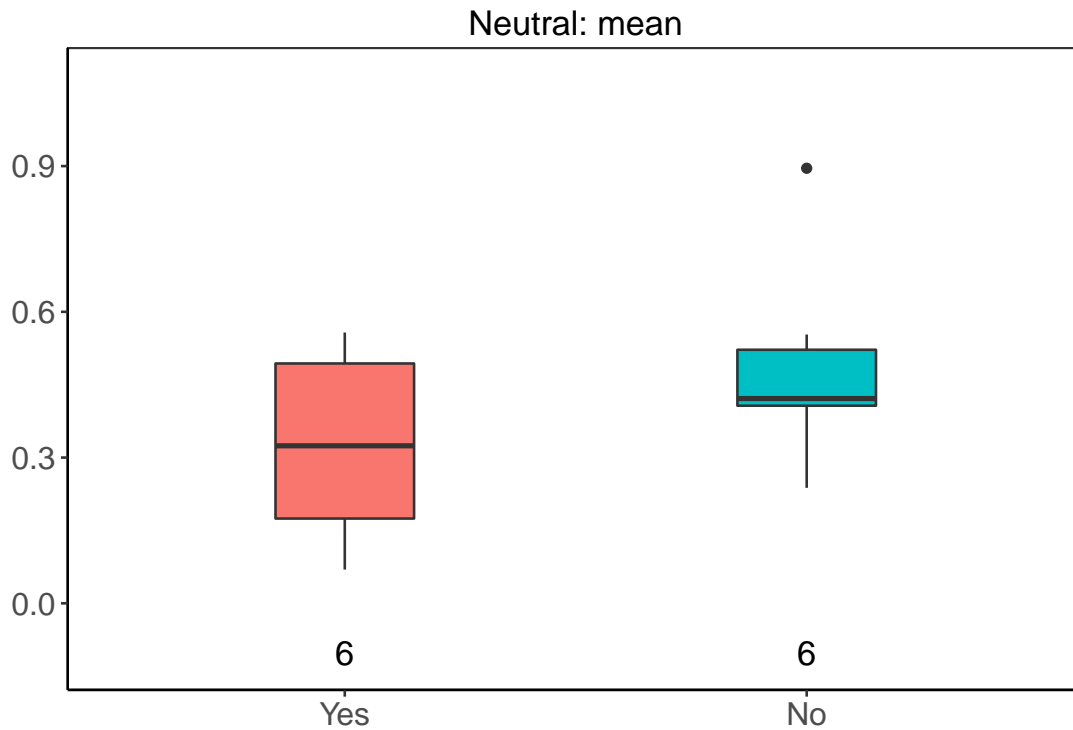
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.5793, df = 9.1375, p-value = 0.02938
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.2921078 4.3829340
## sample estimates:
## mean of x mean of y
## -3.759651 -6.097172
```



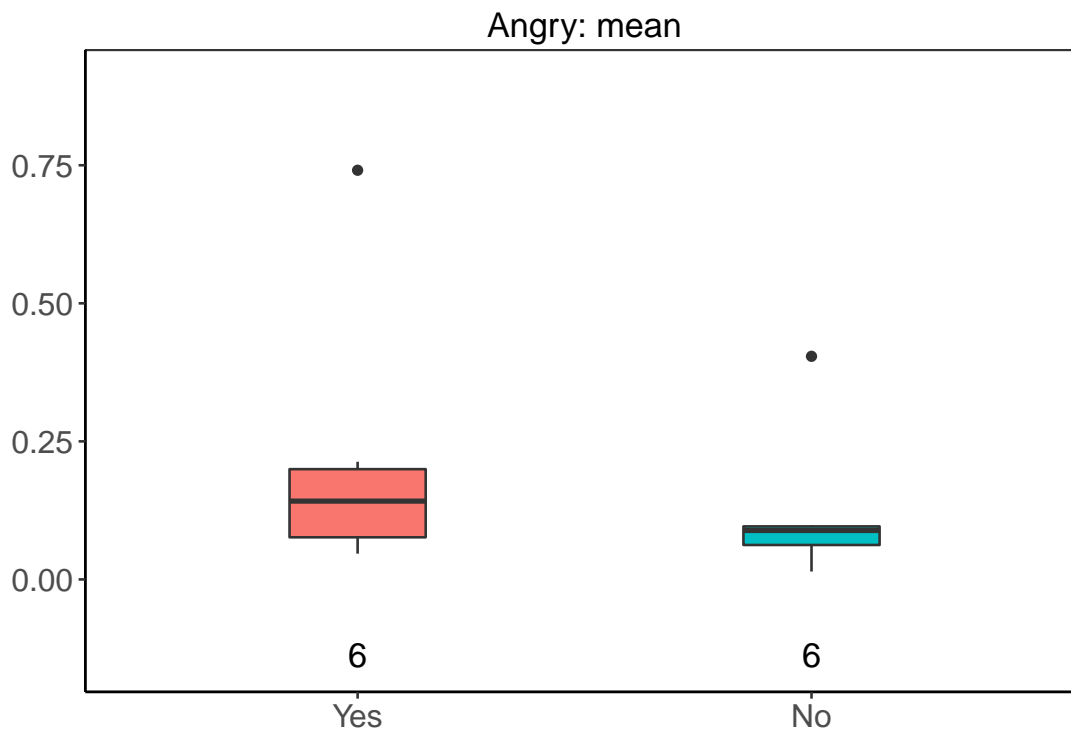
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.81429, df = 9.9885, p-value = 0.4345
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3805697 0.1768782
## sample estimates:
## mean of x mean of y
## 0.2131178 0.3149636
```



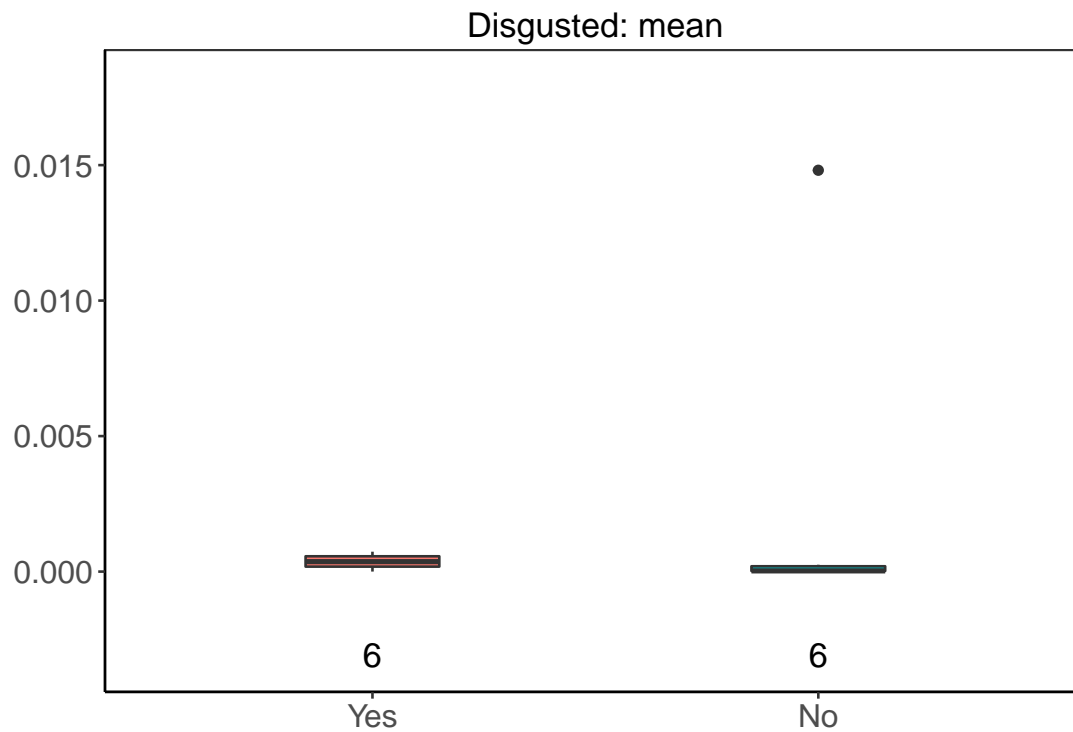
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7219, df = 5.1793, p-value = 0.04017
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0009711032 0.0287526536
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001586551
```



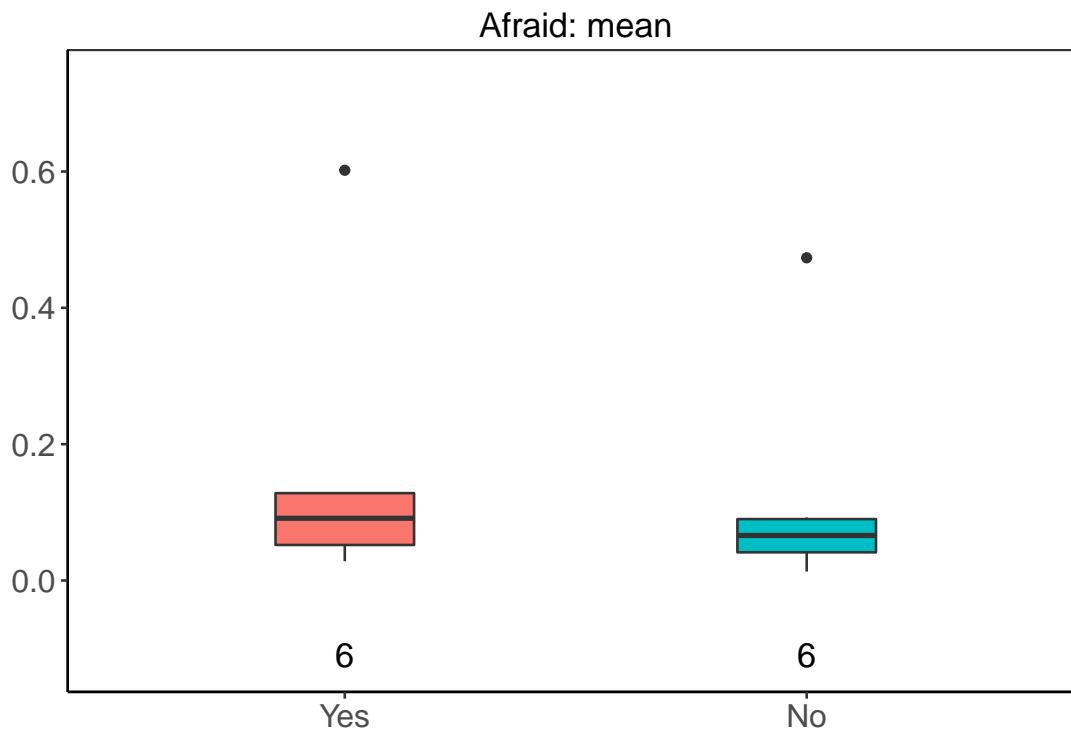
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.3381, df = 9.8886, p-value = 0.2108
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4372558 0.1094387
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4889211
##
## [1] "-----"
## [1] "Removing Participant: T175"
## [1] "-----"
```



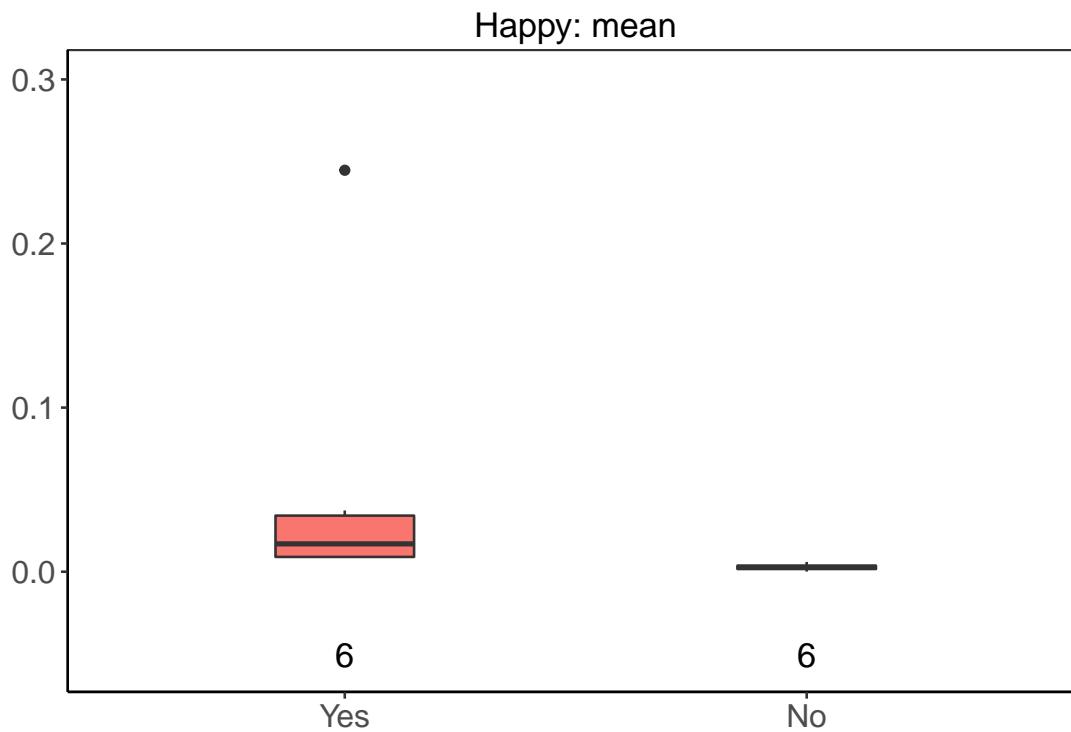
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.0056, df = 9.9256, p-value = 0.3385
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.7322053 1.9345110
## sample estimates:
## mean of x mean of y
## -1.940247 -2.541399
```

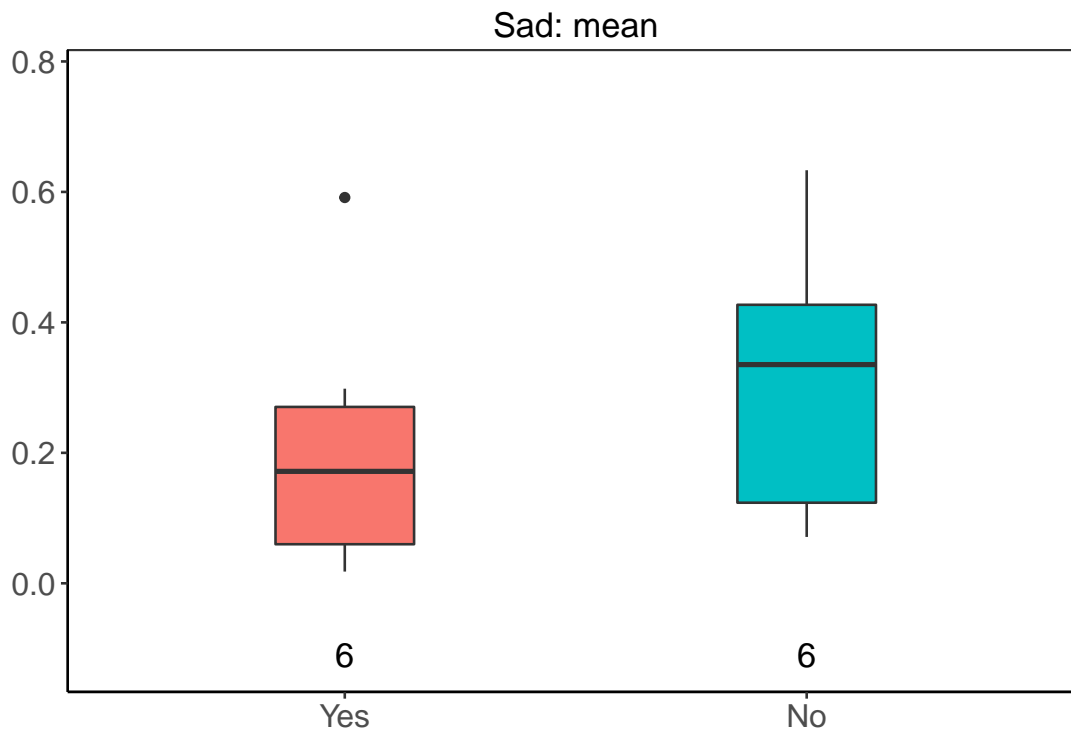
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 23, p-value = 0.4848
## alternative hypothesis: true location shift is not equal to 0
```



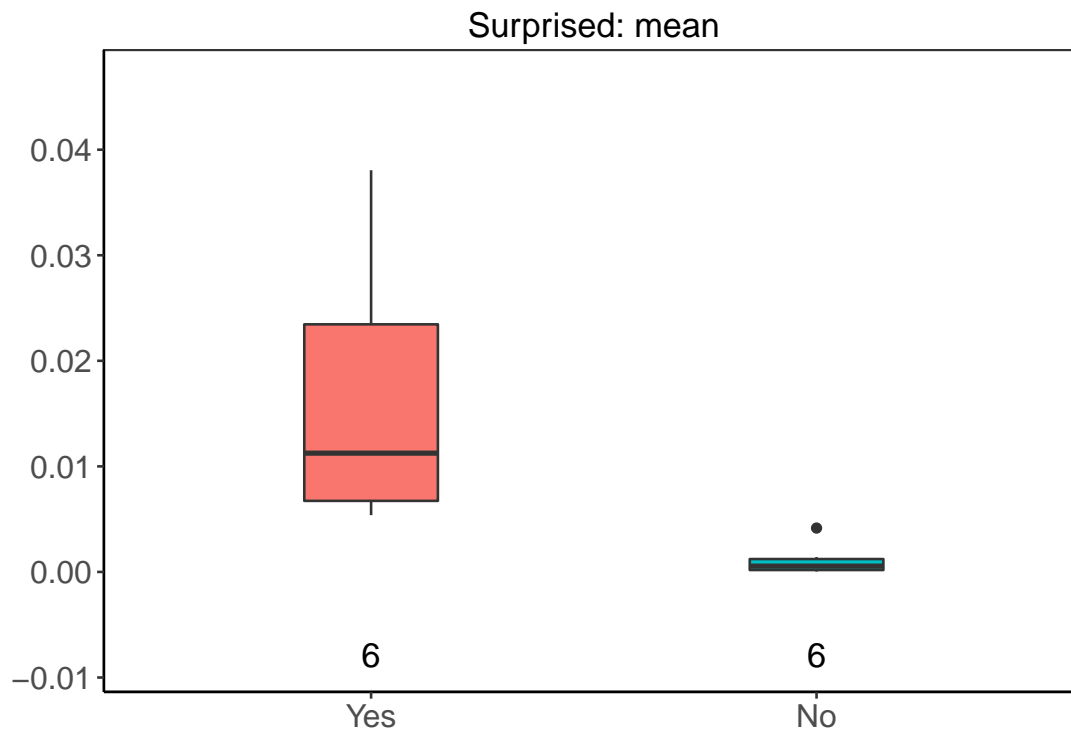
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.55759, df = 9.8901, p-value = 0.5895
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.090062 1.816283
## sample estimates:
## mean of x mean of y
## -2.339799 -2.702909
```



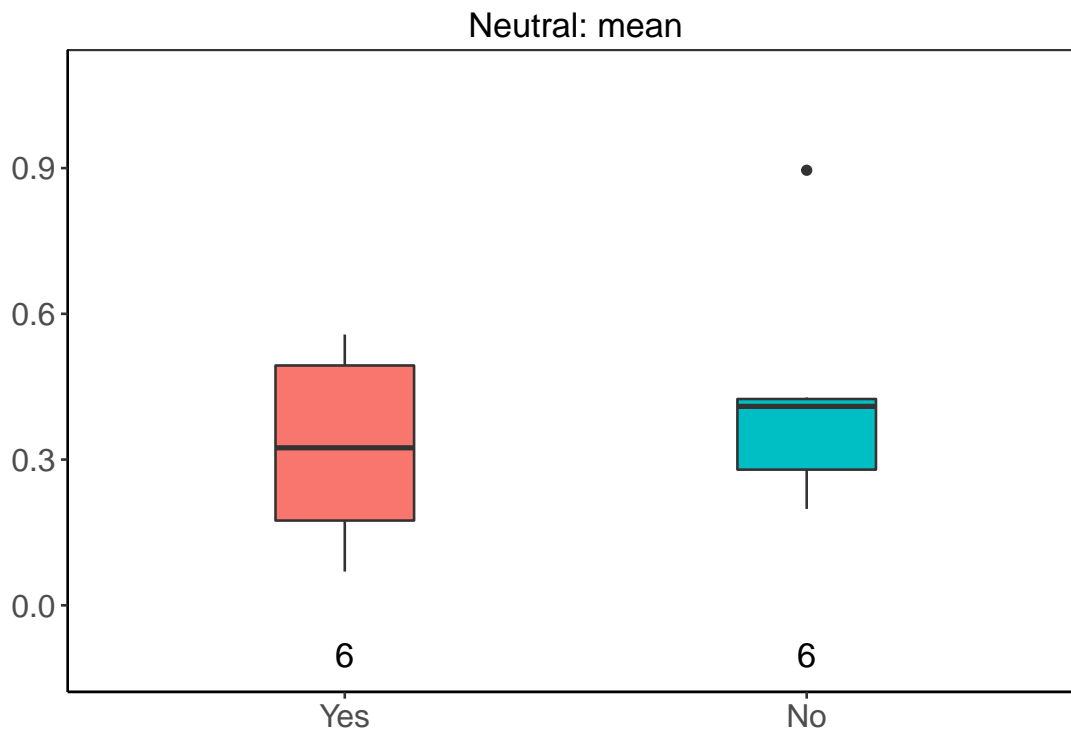
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 3.2506, df = 9.8041, p-value = 0.008935
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.8274135 4.4647486
## sample estimates:
## mean of x mean of y
## -3.759651 -6.405732
```



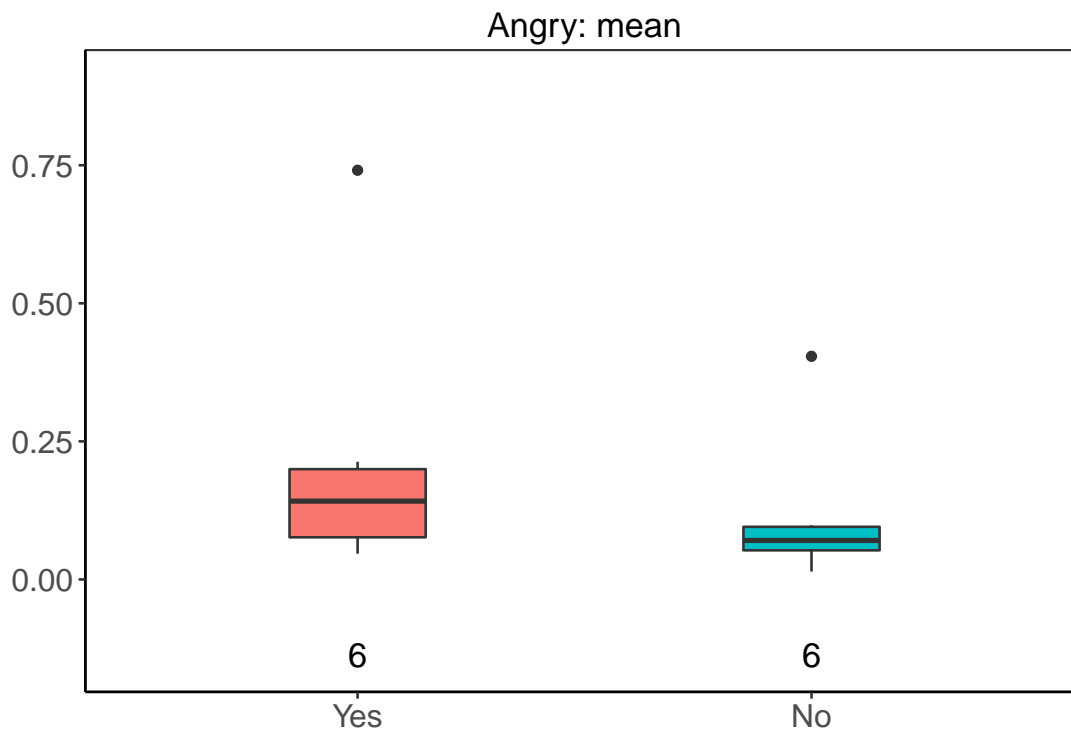
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.80802, df = 9.9878, p-value = 0.4379
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3799891 0.1777588
## sample estimates:
## mean of x mean of y
## 0.2131178 0.3142330
```



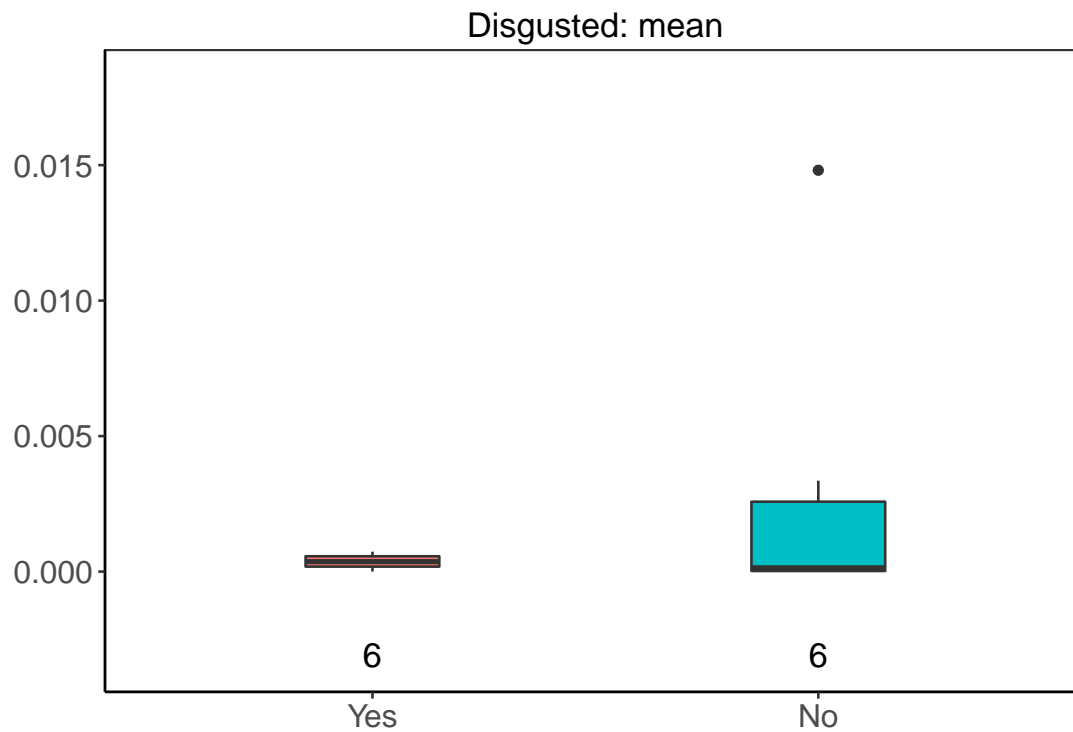
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 4.3166, df = 7.0326, p-value = 0.003457
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  1.535573 5.248285
## sample estimates:
## mean of x mean of y
## -4.378547 -7.770476
```



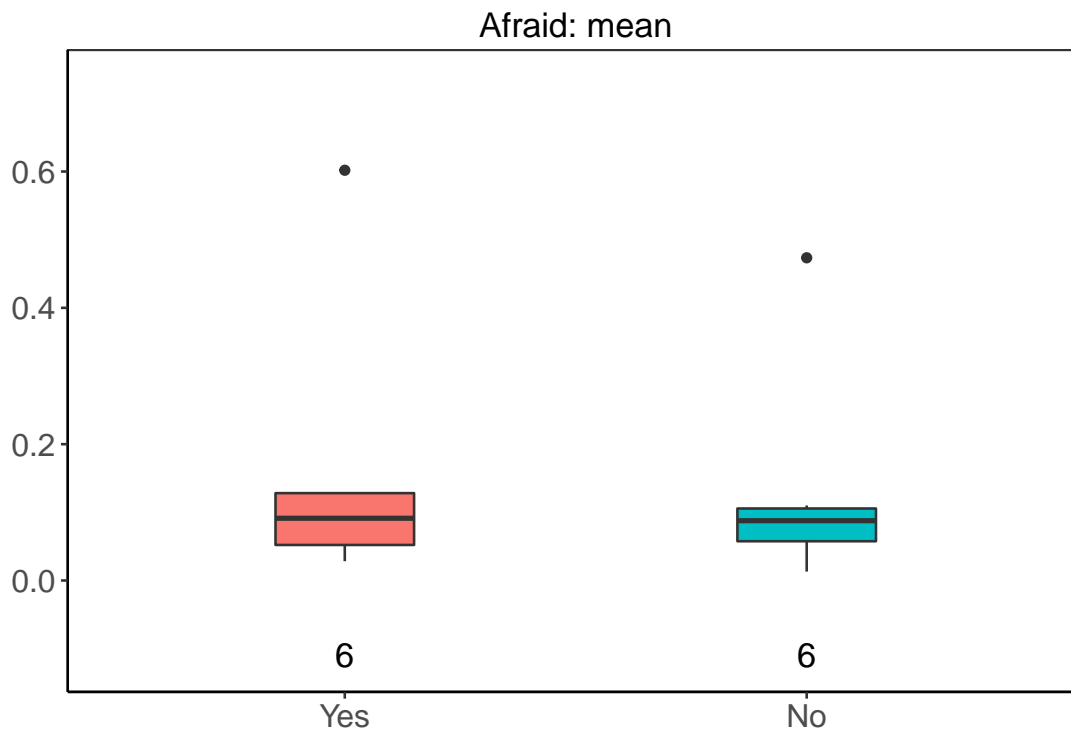
```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.80404, df = 9.5772, p-value = 0.4409
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.3968460 0.1873096
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4297807
##
## [1] "-----"
## [1] "Removing Participant: T178"
## [1] "-----"
```



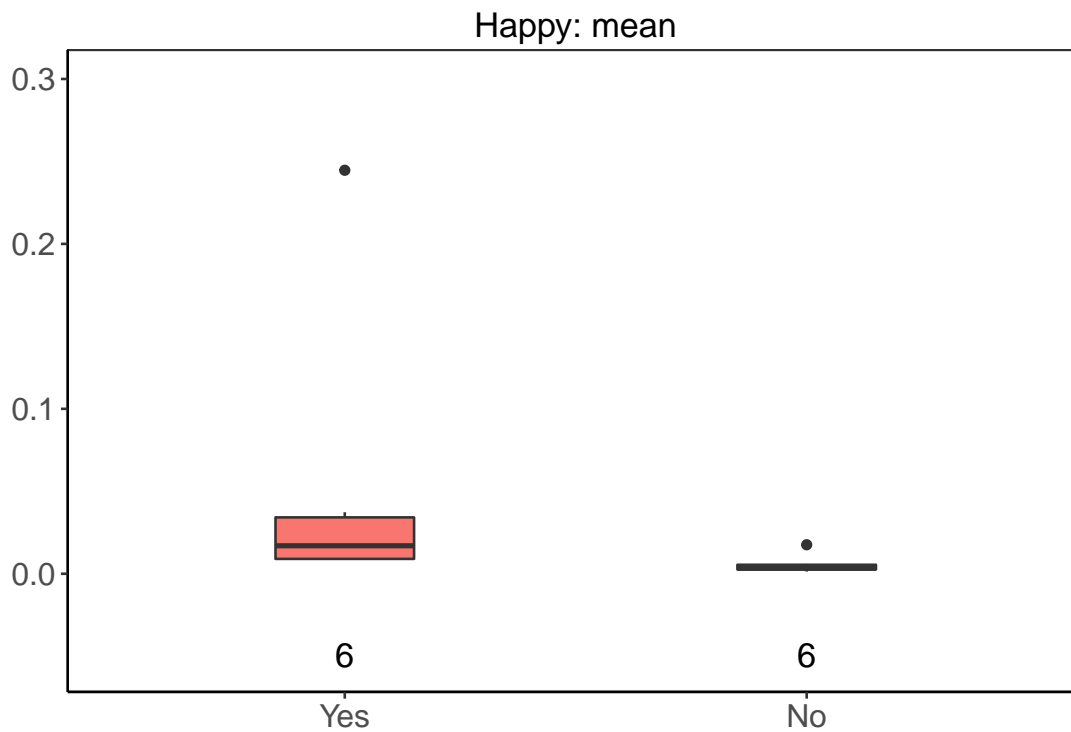
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 1.1527, df = 9.9102, p-value = 0.2761
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.6475757 2.0323345
## sample estimates:
## mean of x mean of y
## -1.940247 -2.632626
```



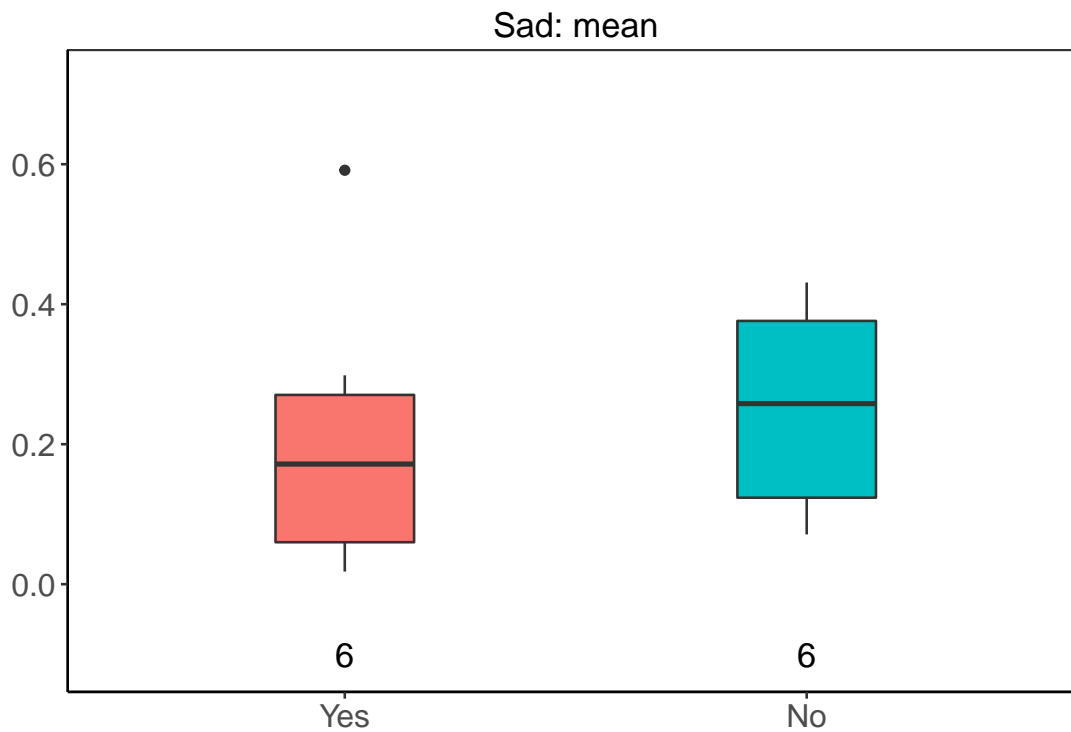
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- NOT NORMAL DISTRIBUTION AFTER LOG TRANSFORMATION"
## [1] "Performed Unsigned Rank Test"
##
## Wilcoxon rank sum test
##
## data: with_glass_data and without_glass_data
## W = 18, p-value = 1
## alternative hypothesis: true location shift is not equal to 0
```

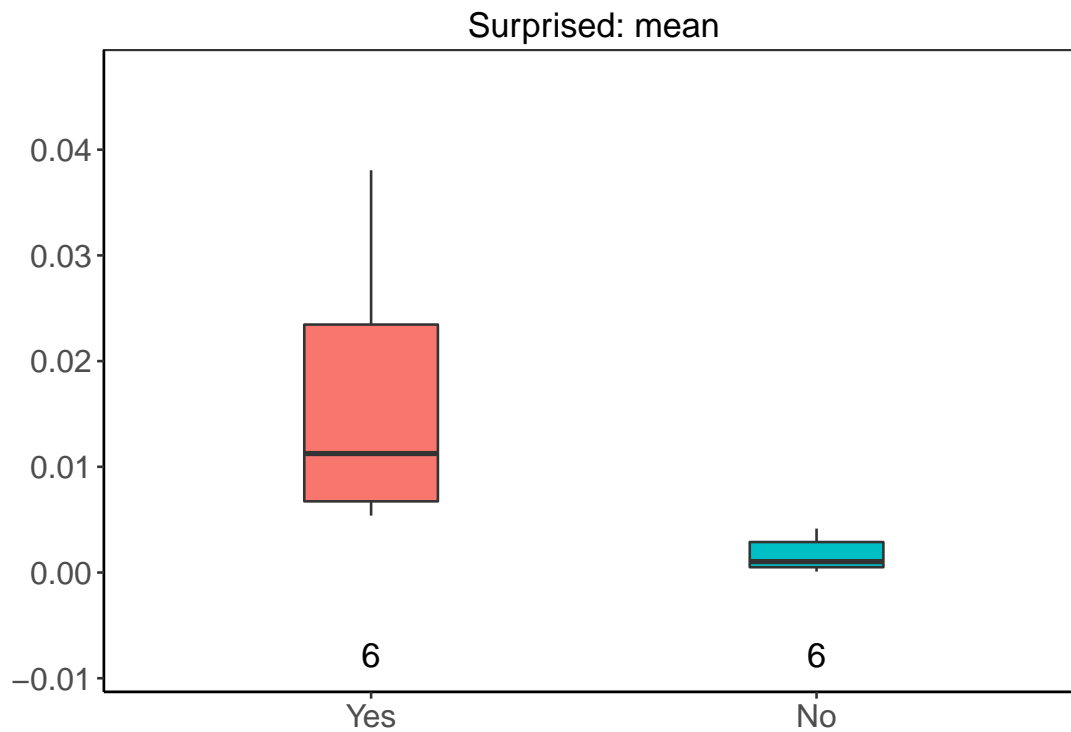
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 0.2931, df = 9.9224, p-value = 0.7755
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -1.249883 1.628053
## sample estimates:
## mean of x mean of y
## -2.339799 -2.528883
```



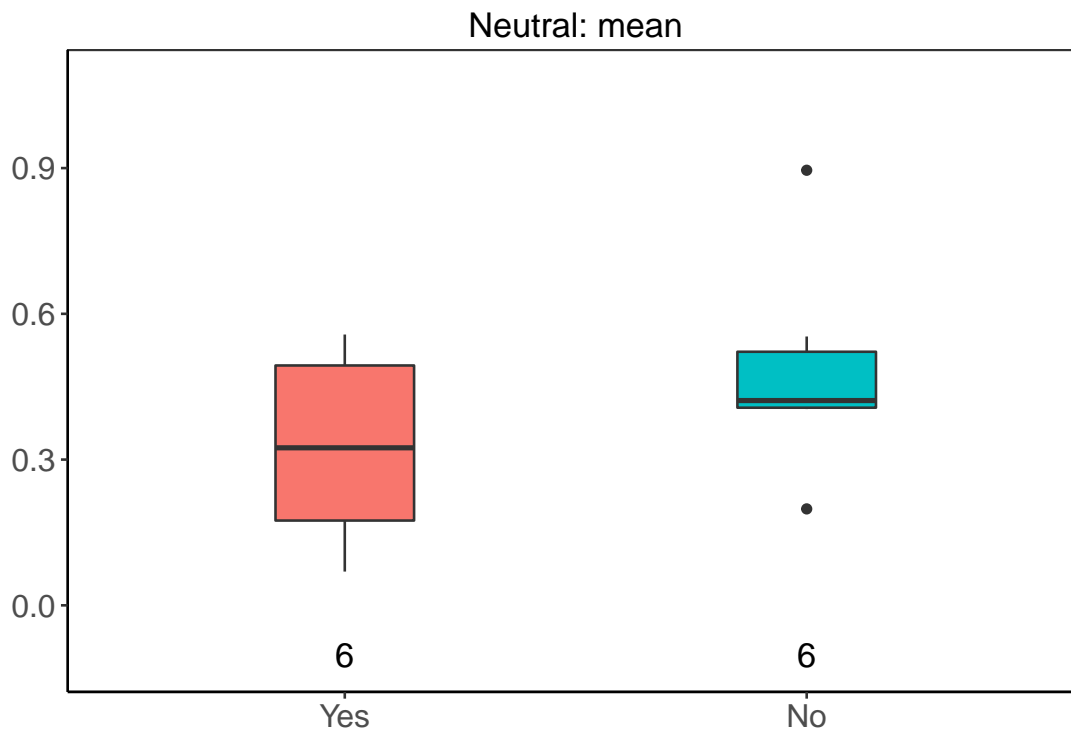
```
## [1] "----- NOT NORMAL DISTRIBUTION"
## [1] "----- LOG TRANSFORMED"
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7476, df = 8.7717, p-value = 0.0231
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.3065791 3.2293630
## sample estimates:
## mean of x mean of y
## -3.759651 -5.527622
```



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -0.36171, df = 9.1561, p-value = 0.7258
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.2818820 0.2039901
## sample estimates:
## mean of x mean of y
## 0.2131178 0.2520638
```



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = 2.7055, df = 5.1612, p-value = 0.04113
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  0.0008669643 0.0286518769
## sample estimates:
##  mean of x   mean of y
## 0.016448430 0.001689009
```



```
## [1] "----- BOTH NORMAL DISTRIBUTION"
## [1] "----- Performed T-Test"
##
## Welch Two Sample t-test
##
## data: with_glass_data and without_glass_data
## t = -1.2557, df = 9.7912, p-value = 0.2384
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
## -0.4373999 0.1226811
## sample estimates:
## mean of x mean of y
## 0.3250125 0.4823719
```