

# Attention pilot 1

Marjan Biria

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## Study description

In this pilot we tested people on the attention pilot, where no feedback was provided and no prediction was collected. We have m\_hist, anxiety, mood and certainty ratings for this pilot. This is the experiment on Gorilla: <https://app.gorilla.sc/admin/project/115369> This is the task version used: <https://app.gorilla.sc/admin/task/712861/editor?version=3>

The Externally focused attention condition was presented first, followed by the internally focused attention. Each condition had 24 trials. I will keep the mood and anxiety ratings before they start the task to look at baseline anxiety and mood in the following analysis.

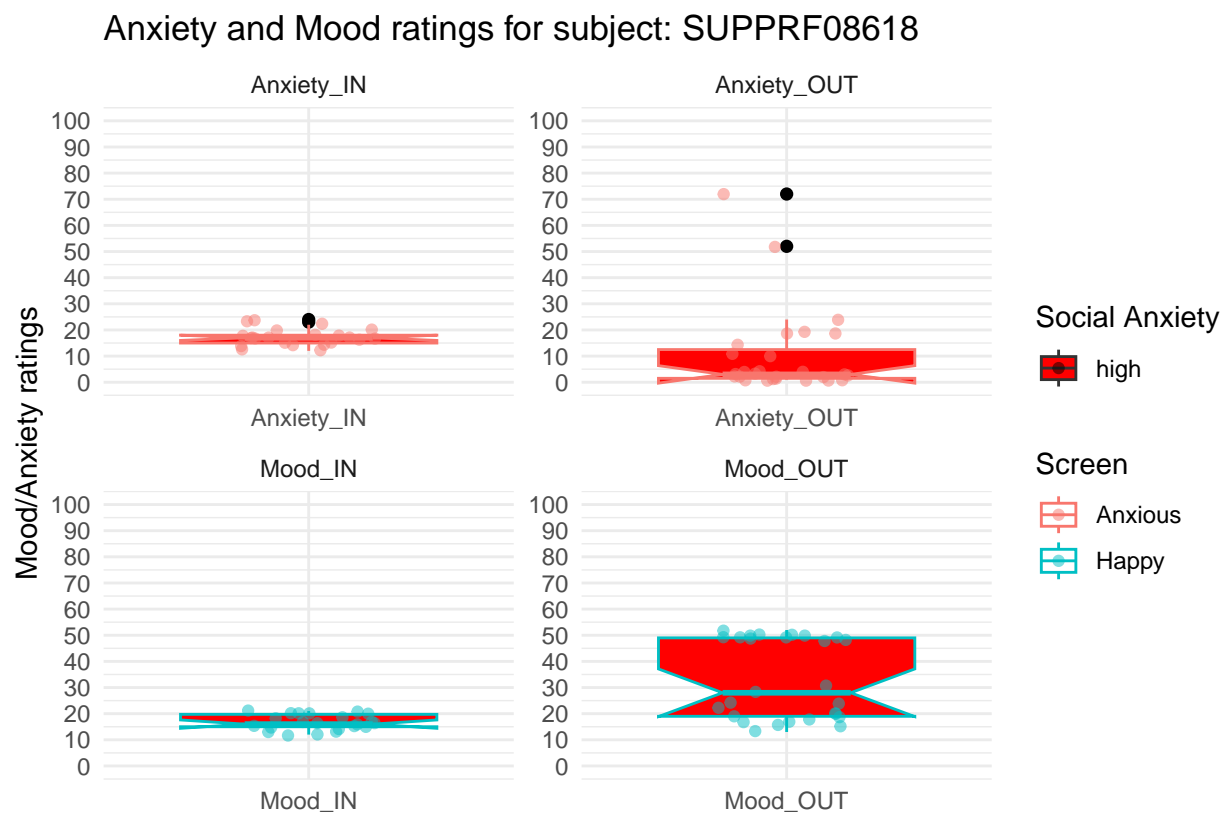
## Anxiety and Mood ratings within subjects

There were 3 people that had given the same rating across all trials. Some people show the pattern we expect (lower anxiety, higher mood from IN to OUT conditions) but not everyone.

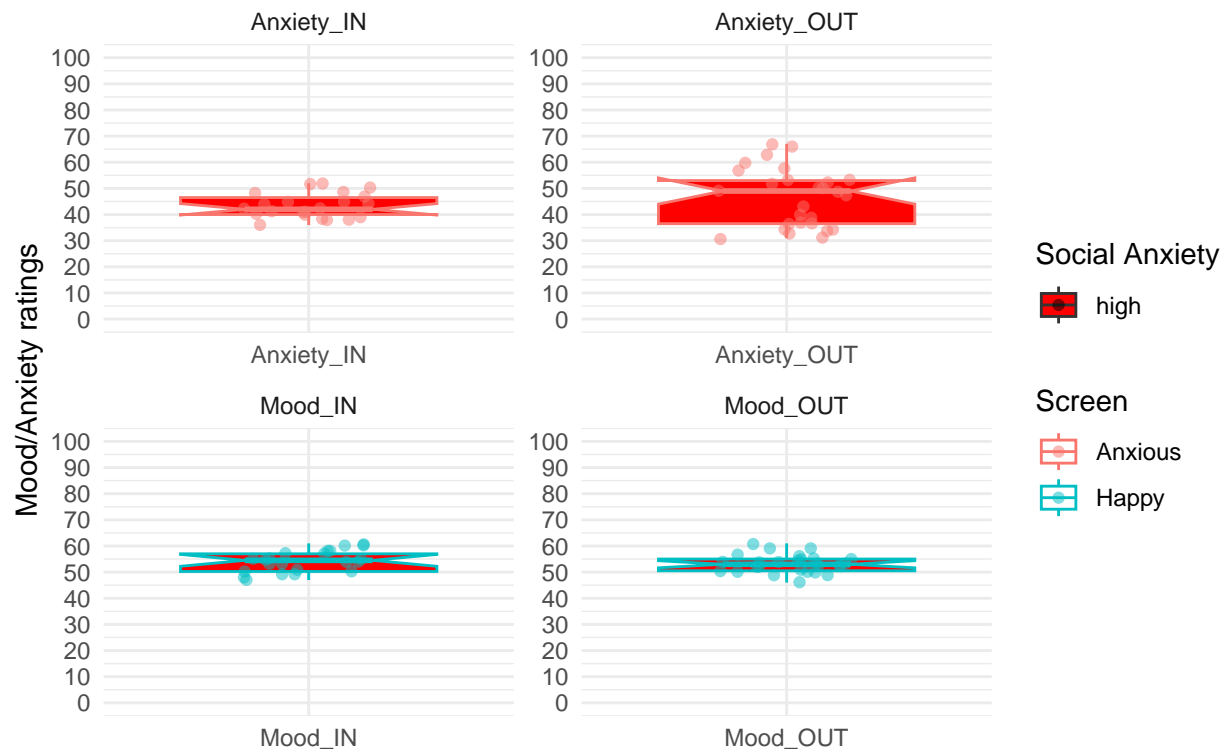
**QUESTION:** How can we best plot the group plot? We cannot plot the individual points anymore, as they would become hard to read; we could average within subjects but again not sure if this is the best approach? I also wonder maybe the fact that there was no feedback (per trial, only at the end) was not stressful enough. It would be interesting to pilot it with the feedback and prediction.

**Let's also think how to have the feedback across both conditions: we do want to keep feedback constant to be comparable between conditions, right? If so, we would need to have 2 x 48 trials?**

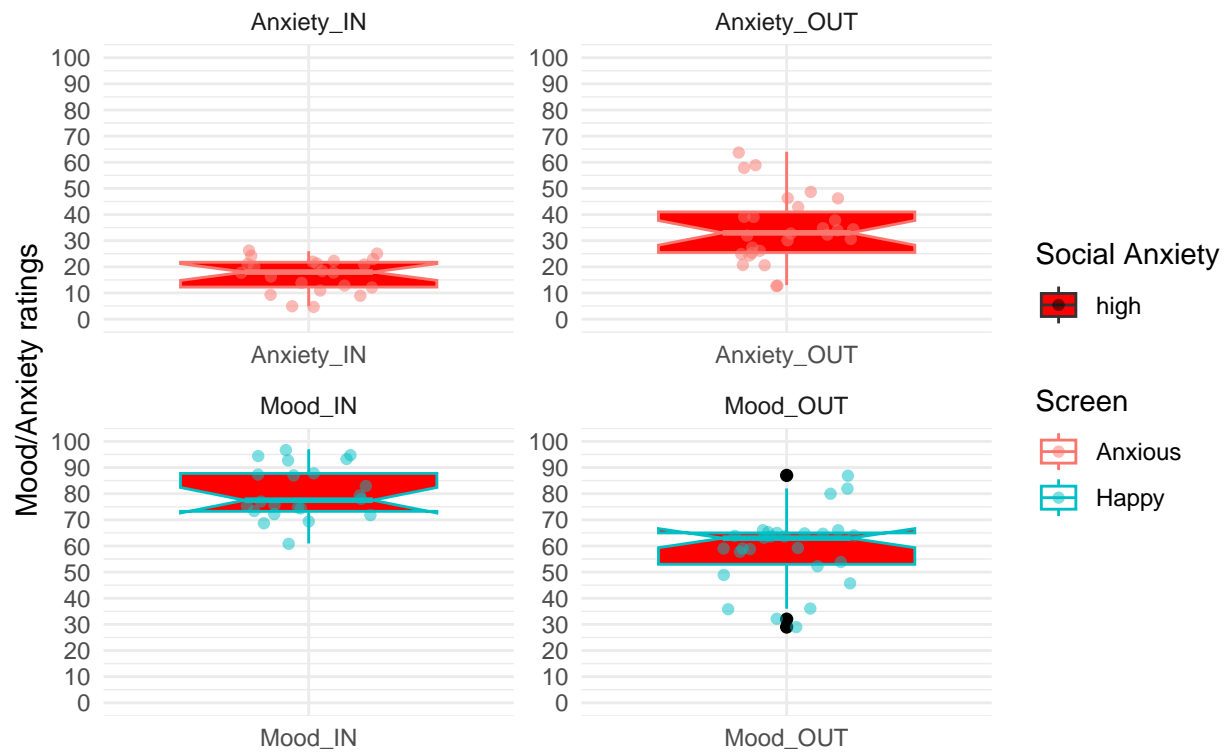
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## [1] "21 subjects out of 29 had high social anxiety"
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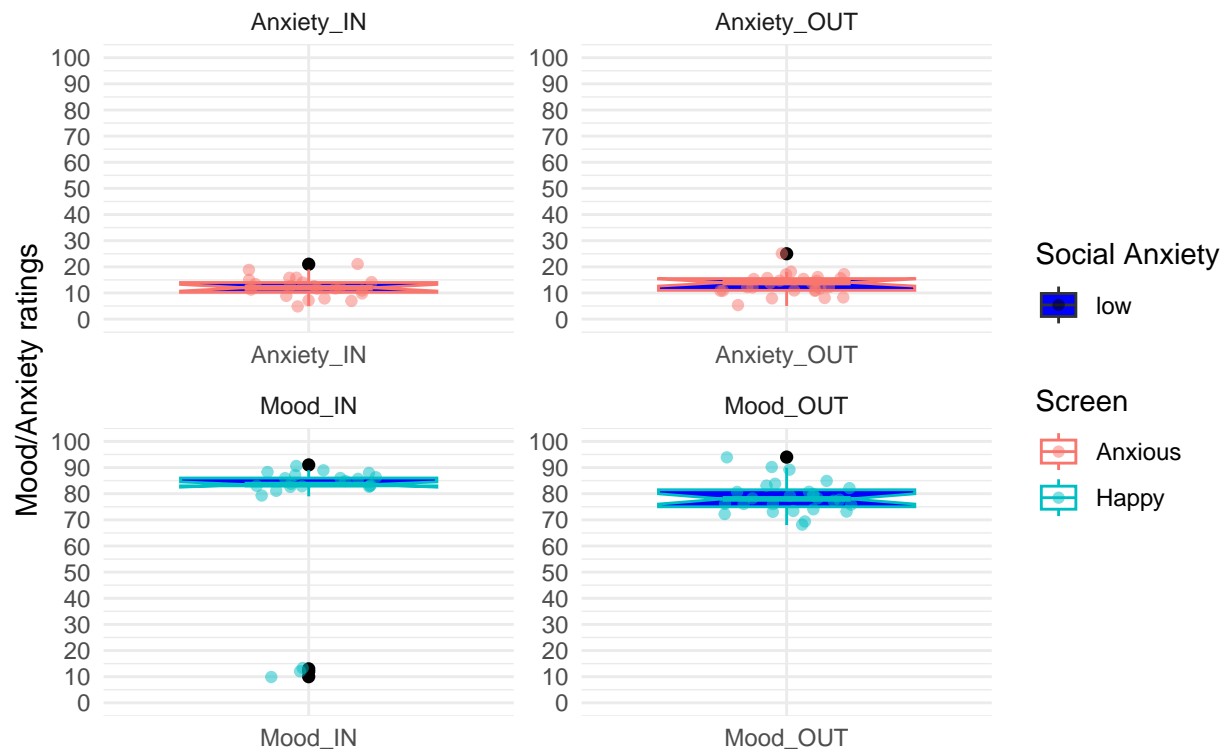
## Anxiety and Mood ratings for subject: SUPPRF47263



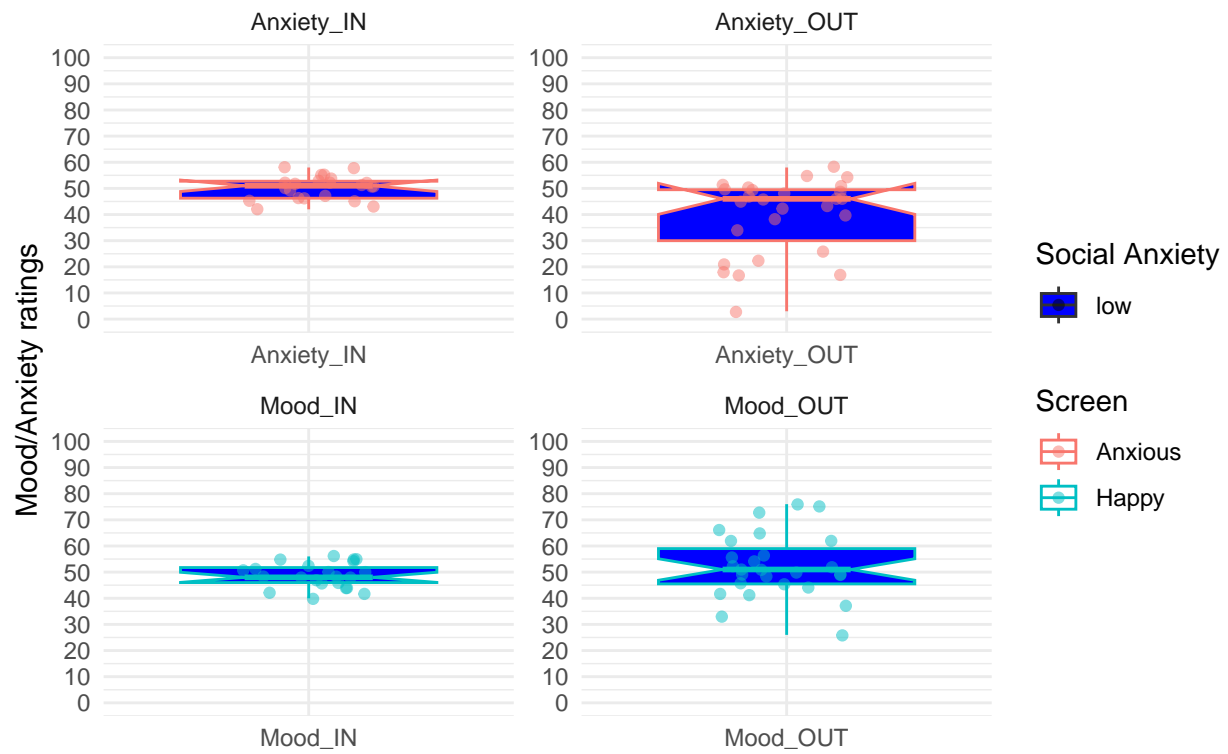
## Anxiety and Mood ratings for subject: SUPPRF80291



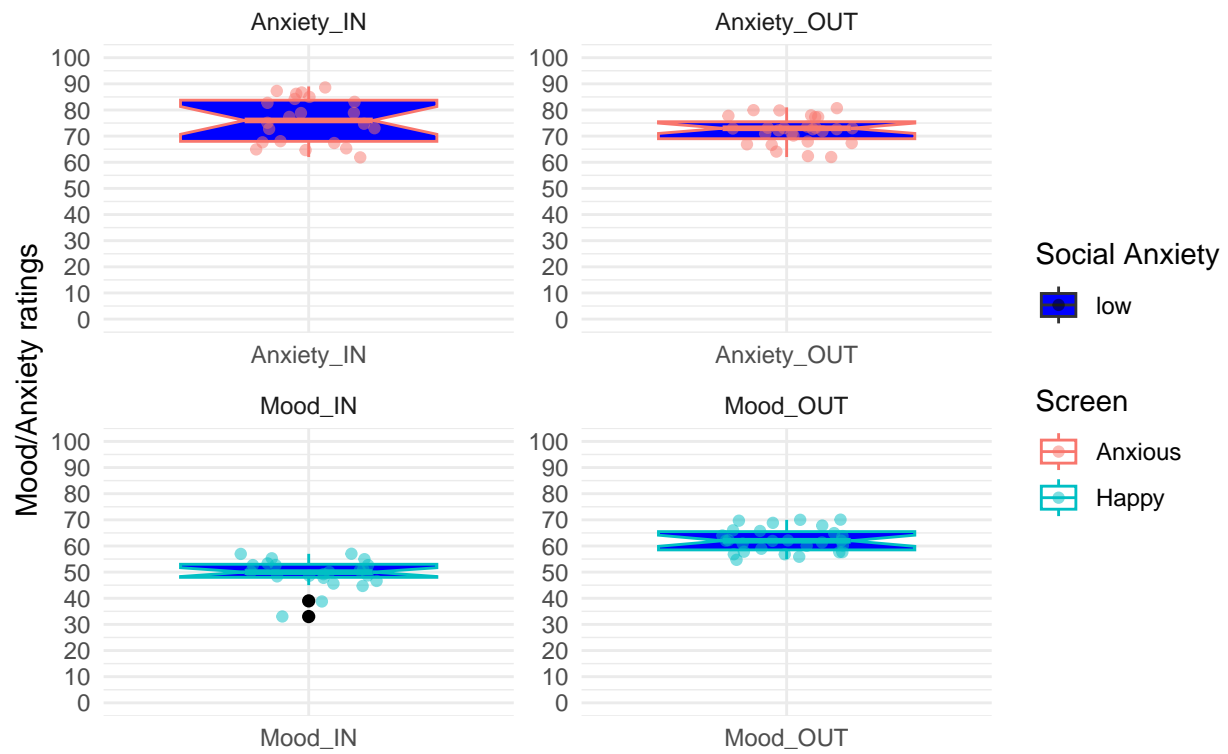
# Anxiety and Mood ratings for subject: SUPPRF42417



## Anxiety and Mood ratings for subject: SUPPRF79567

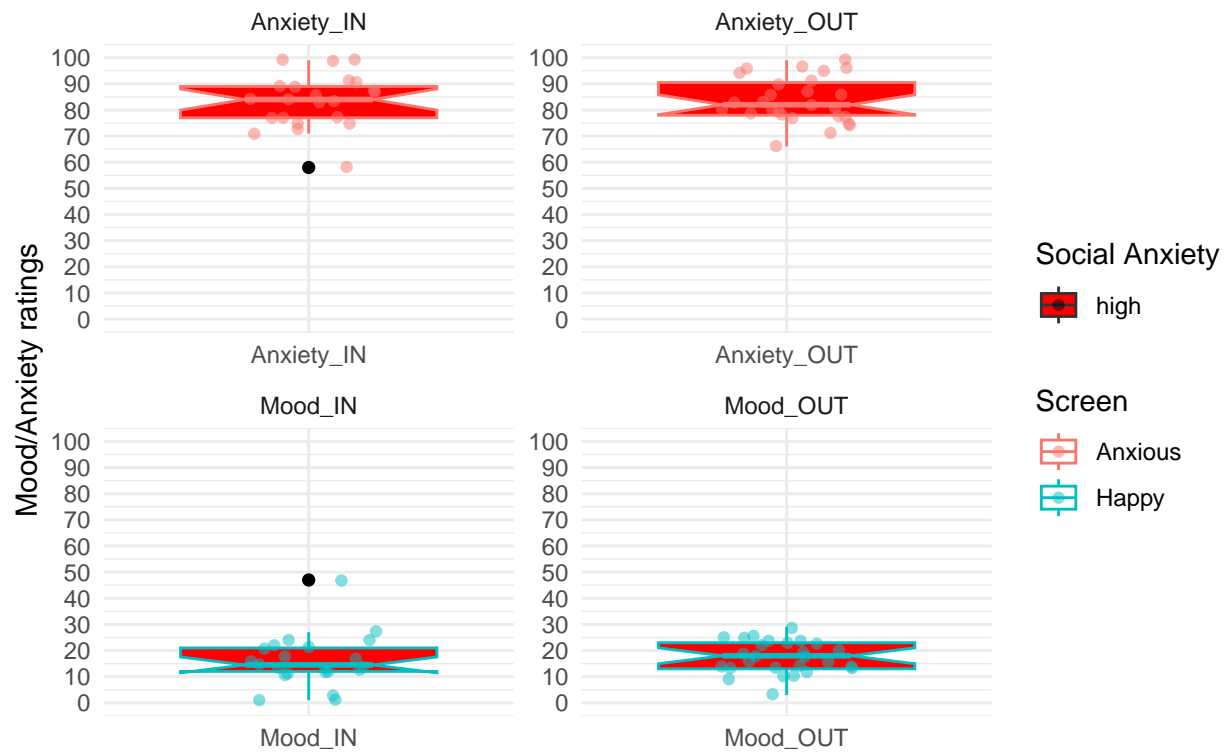


# Anxiety and Mood ratings for subject: SUPPRF79528

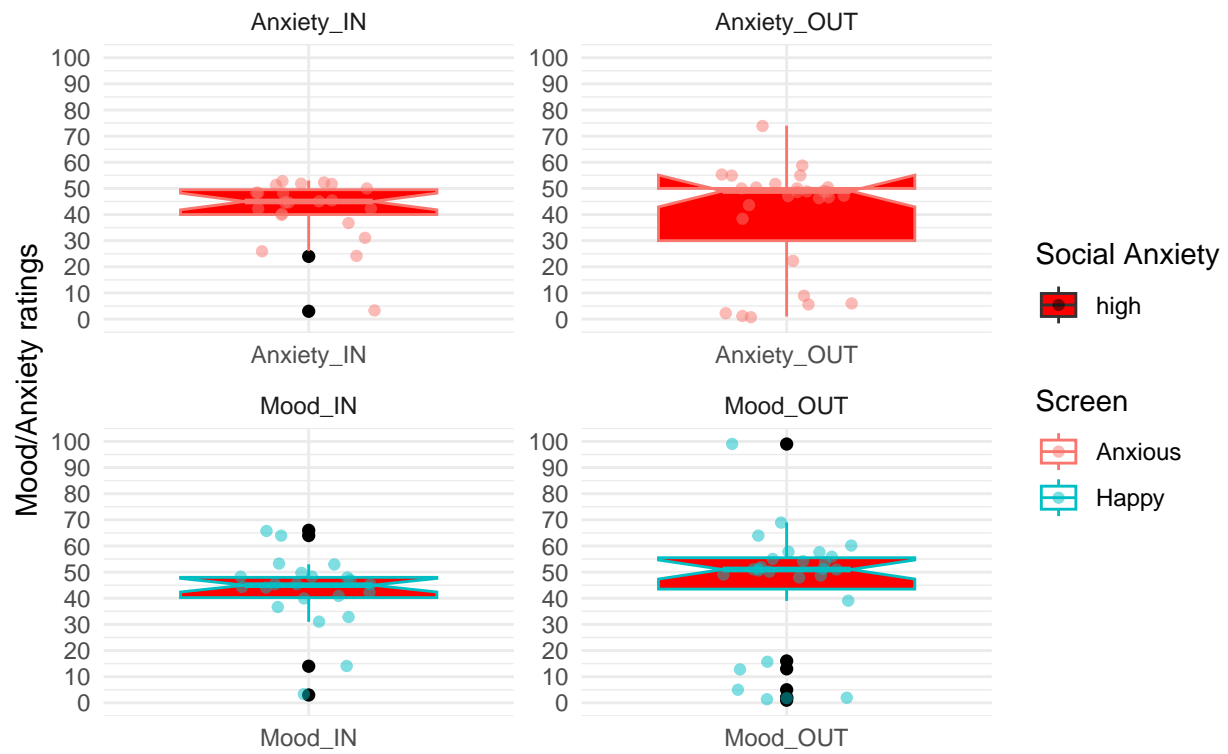




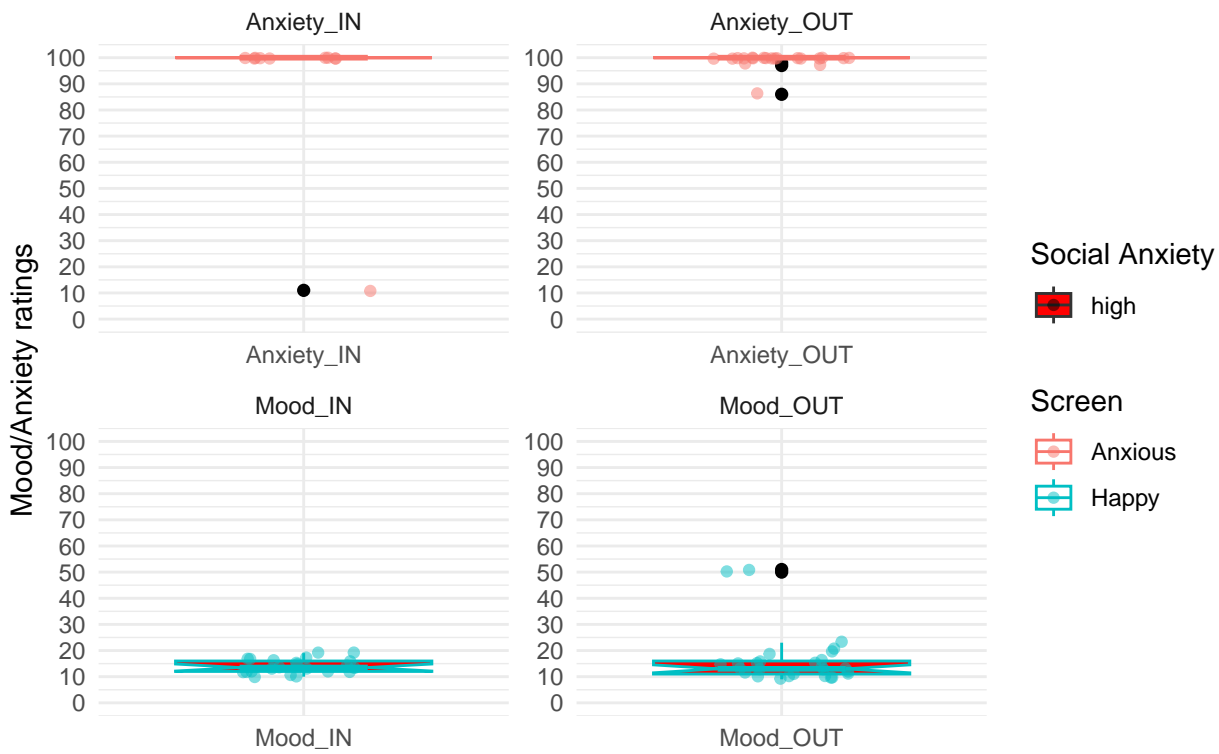
# Anxiety and Mood ratings for subject: SUPPRF39307



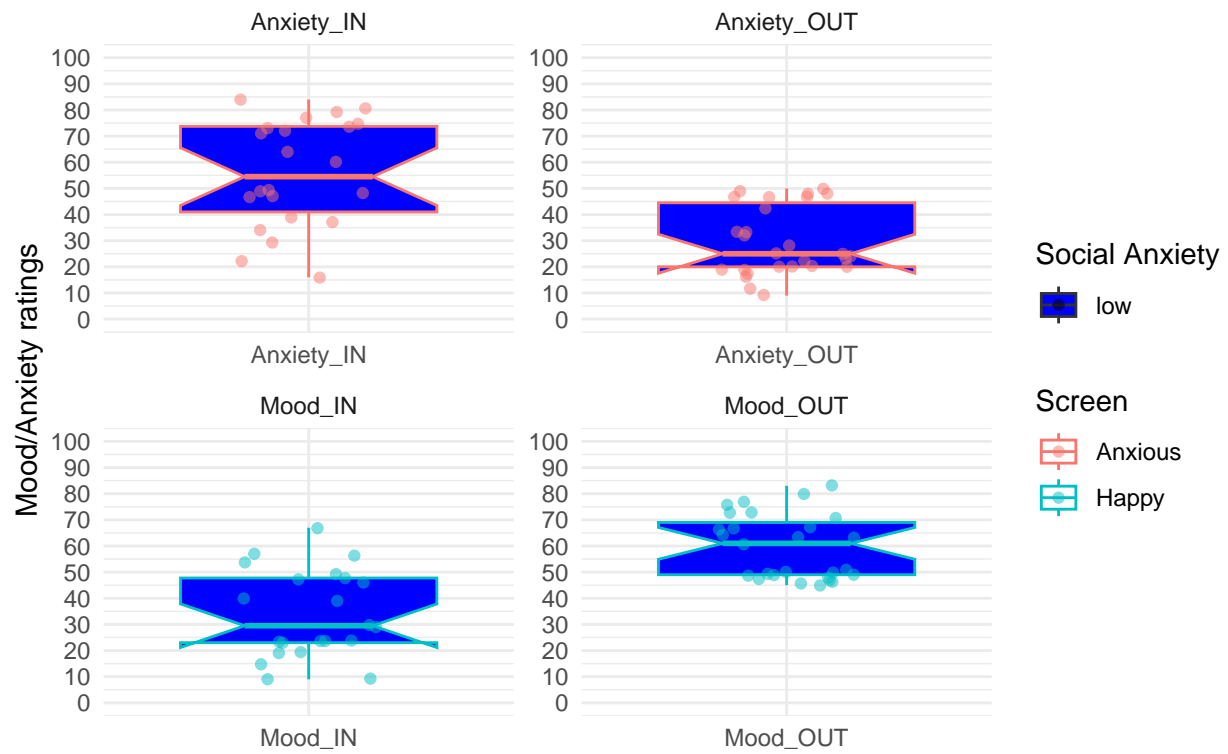
## Anxiety and Mood ratings for subject: SUPPRF16774



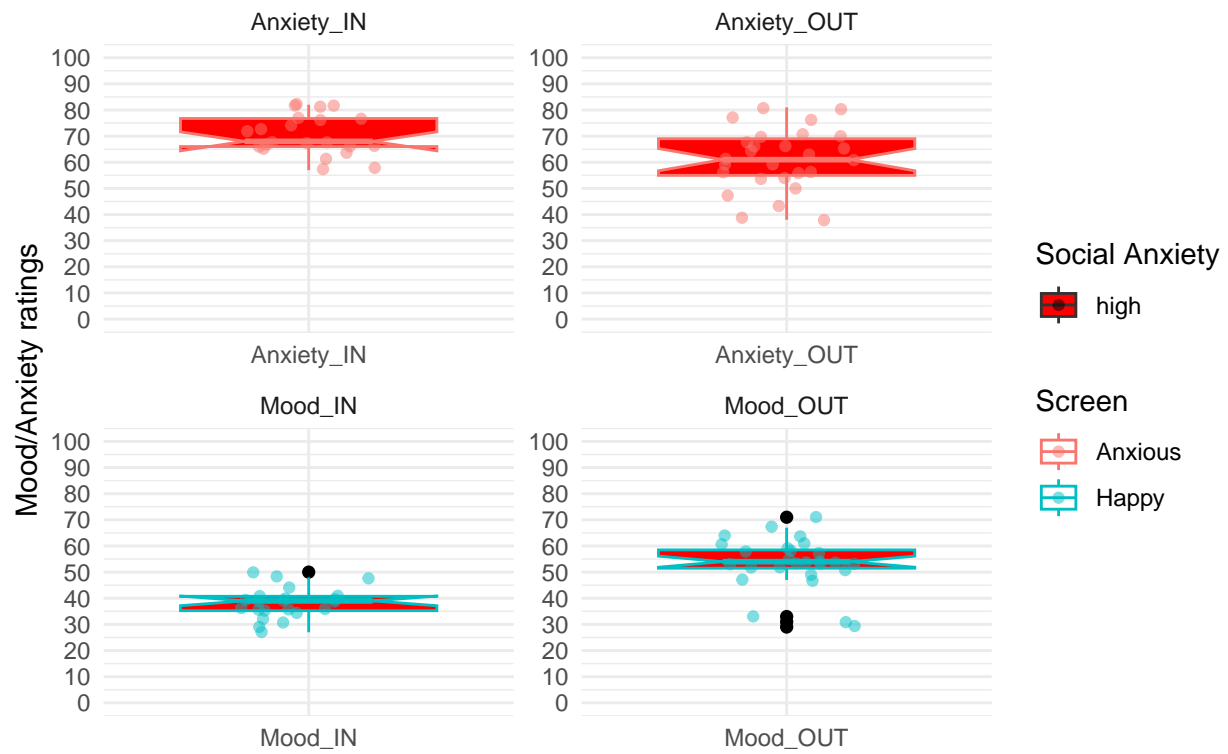
## Anxiety and Mood ratings for subject: SUPPRF50800



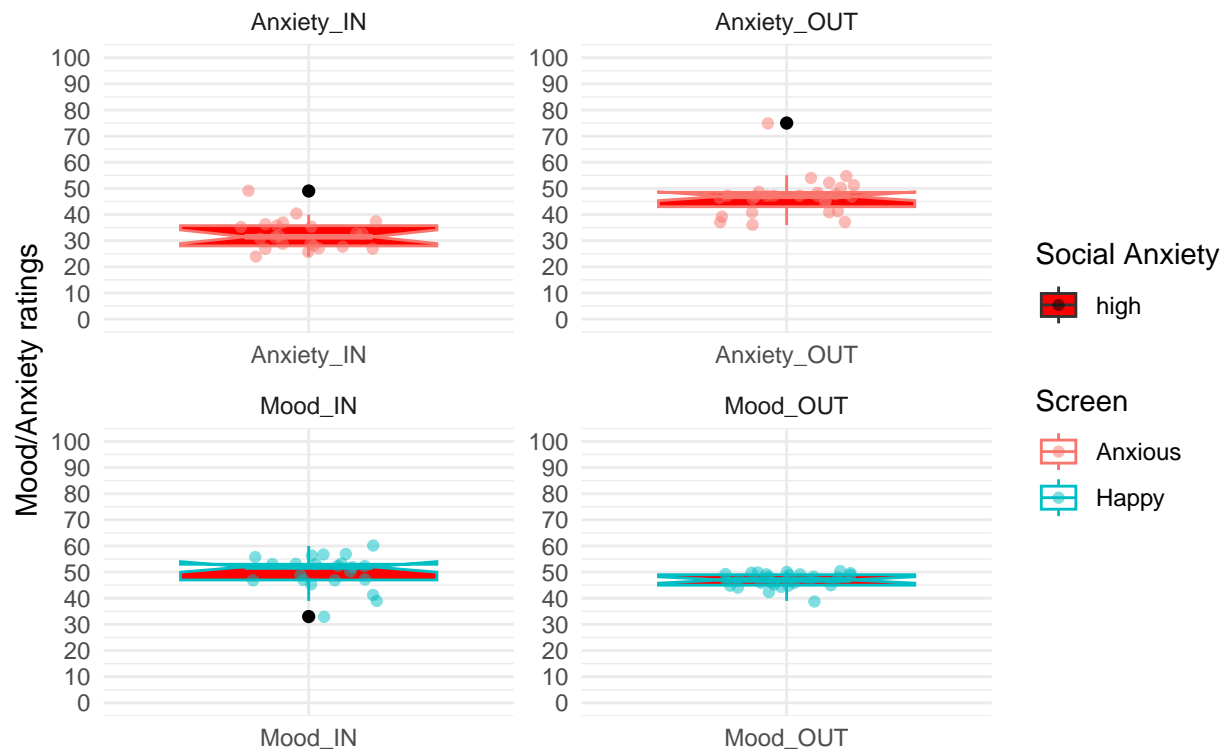
## Anxiety and Mood ratings for subject: SUPPRF59946



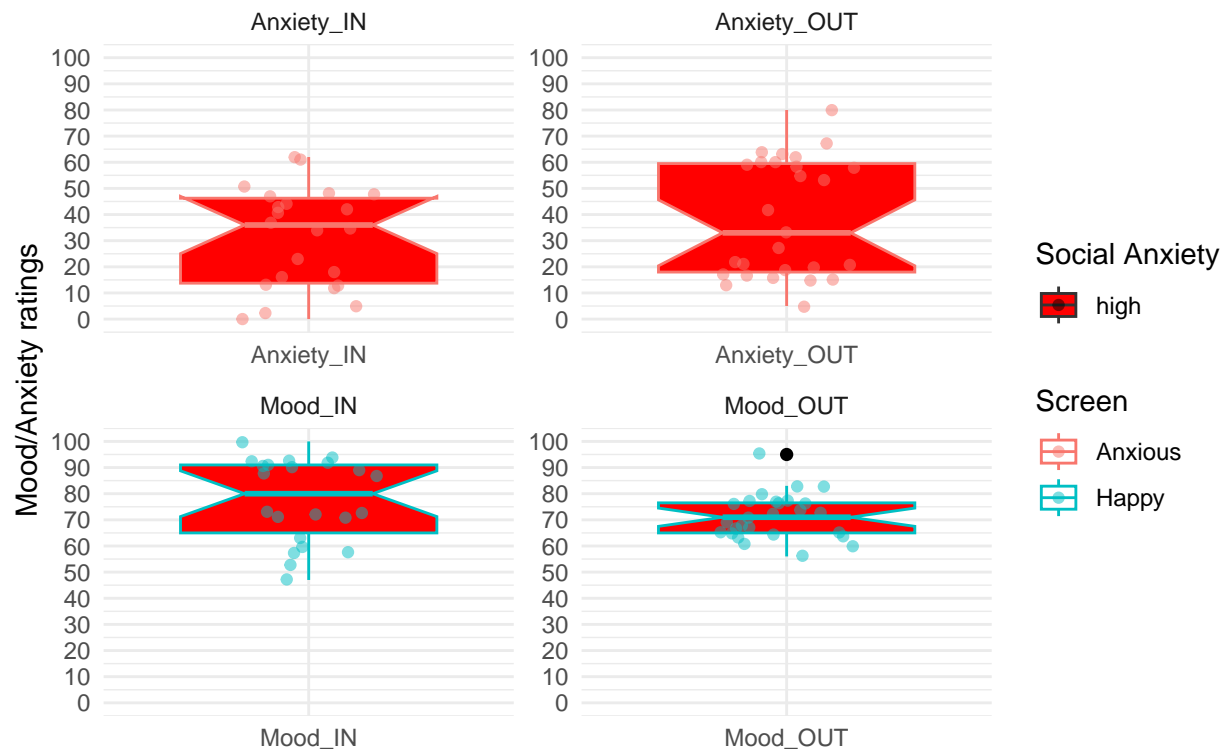
## Anxiety and Mood ratings for subject: SUPPRF47480



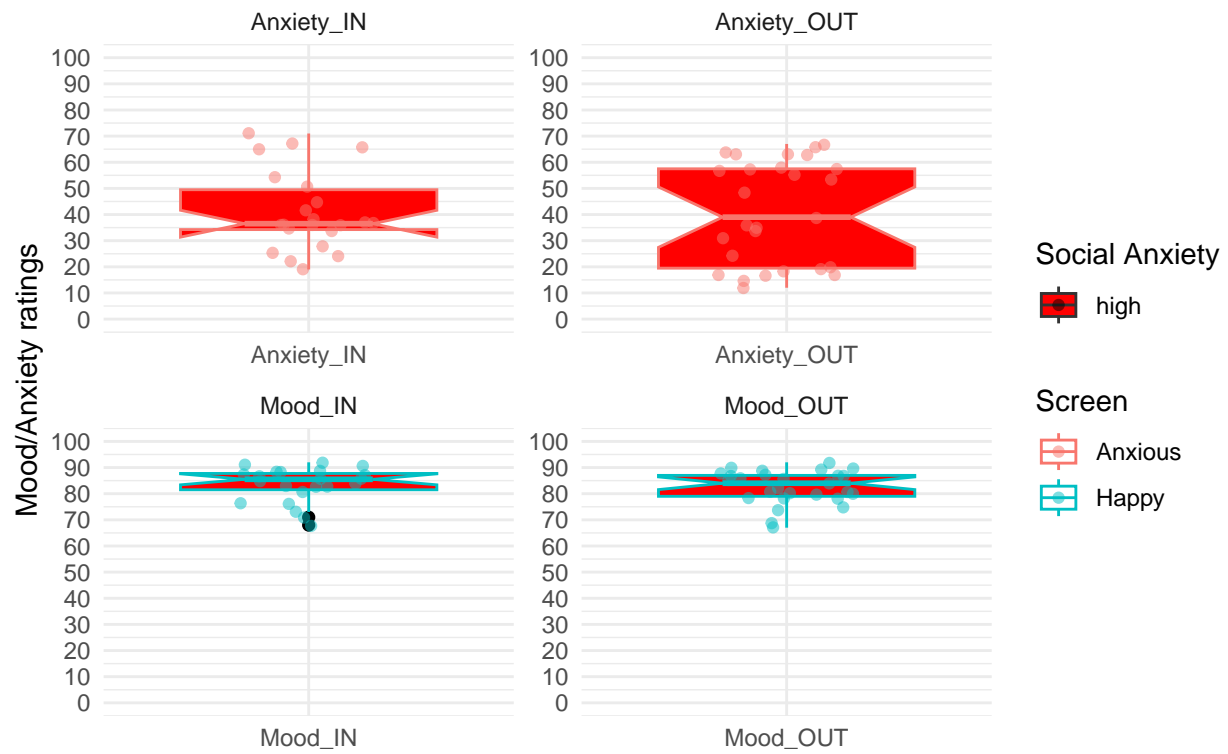
## Anxiety and Mood ratings for subject: SUPPRF13830



## Anxiety and Mood ratings for subject: SUPPRF78219

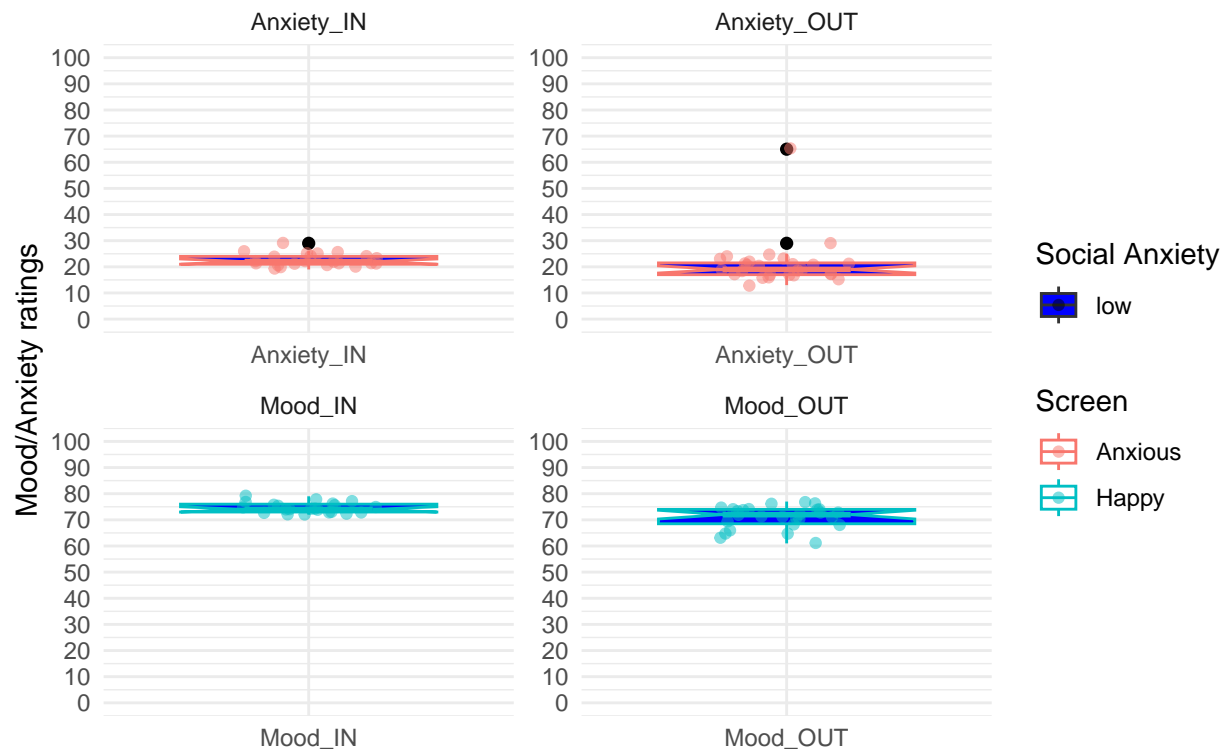


## Anxiety and Mood ratings for subject: SUPPRF39662

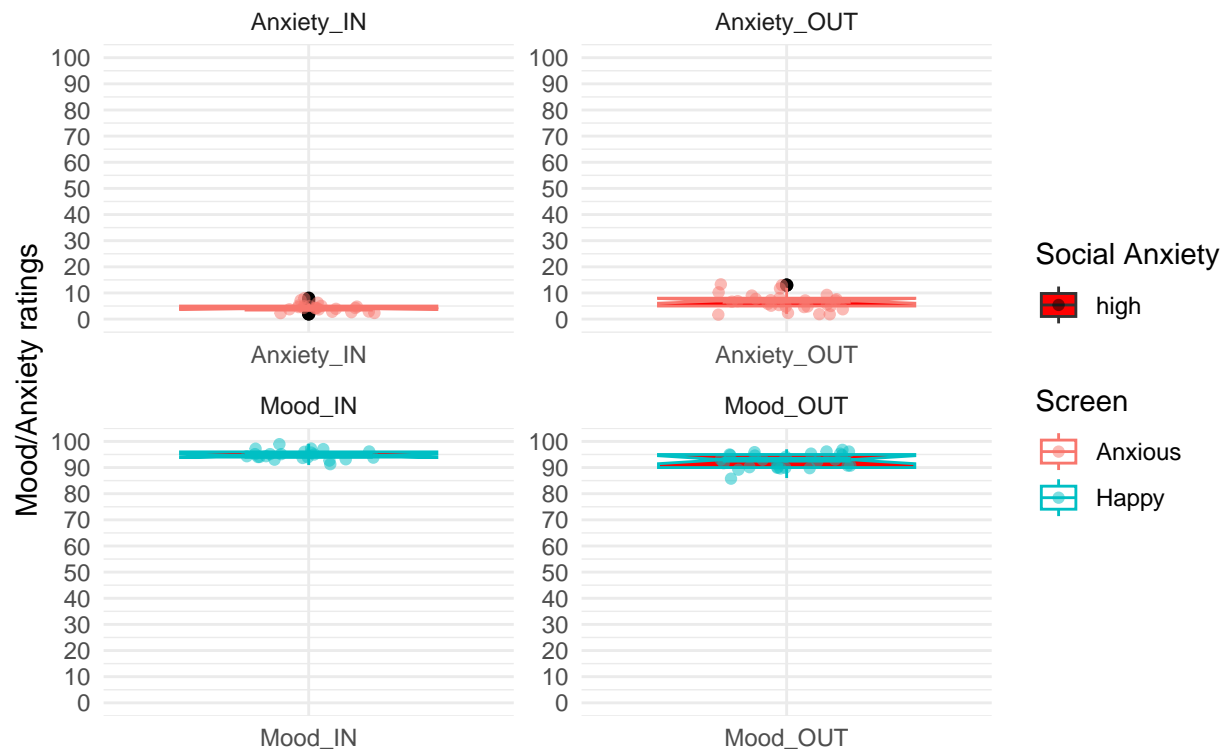




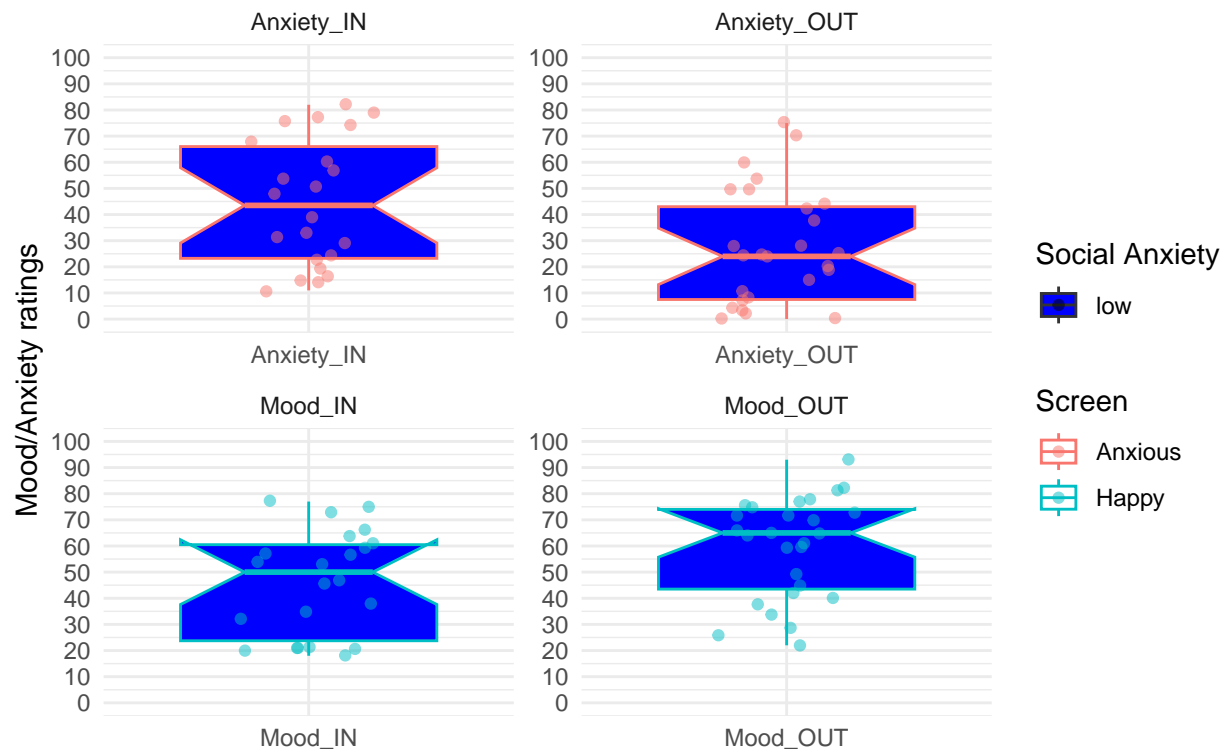
## Anxiety and Mood ratings for subject: SUPPRF11368



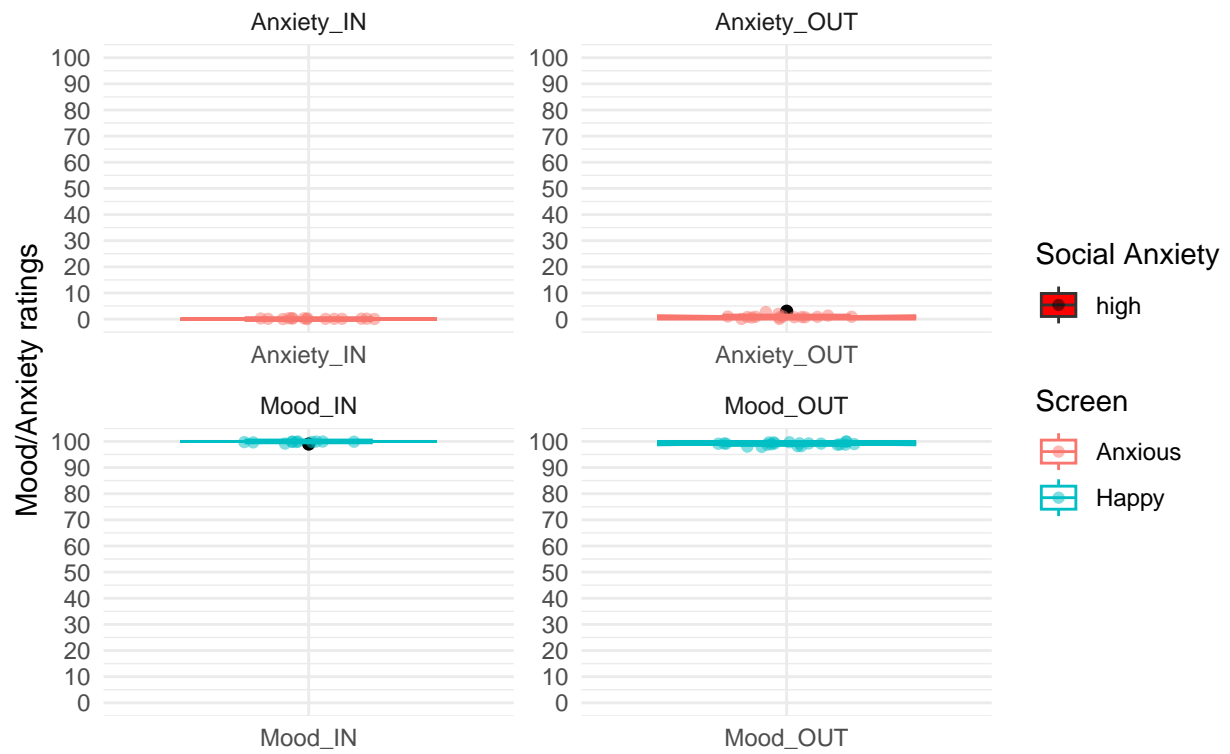
## Anxiety and Mood ratings for subject: SUPPRF54499



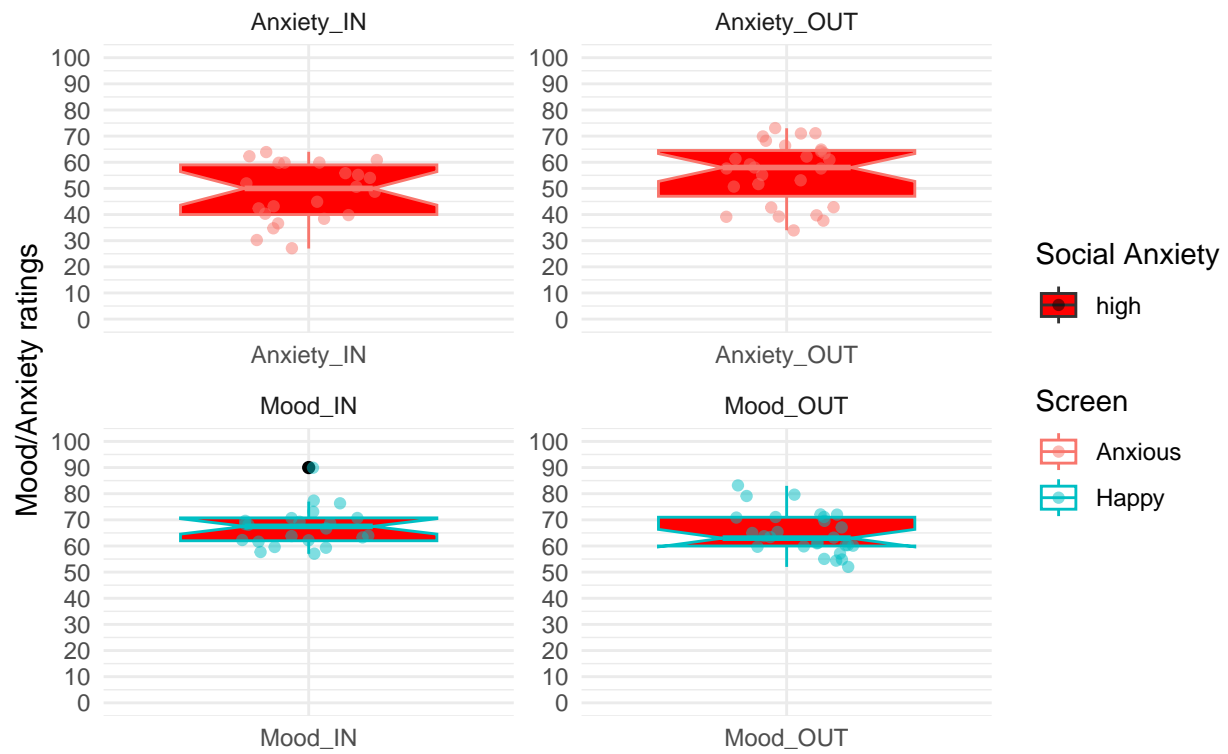
## Anxiety and Mood ratings for subject: SUPPRF07775



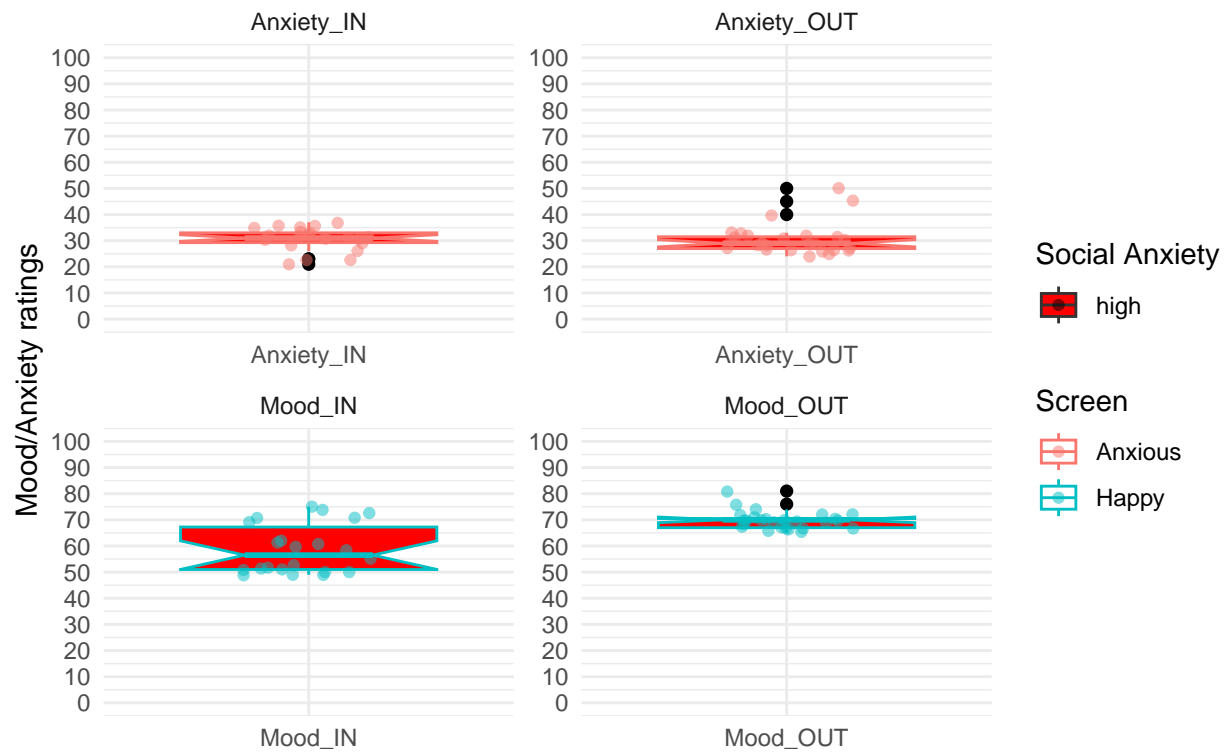
# Anxiety and Mood ratings for subject: SUPPRF09833



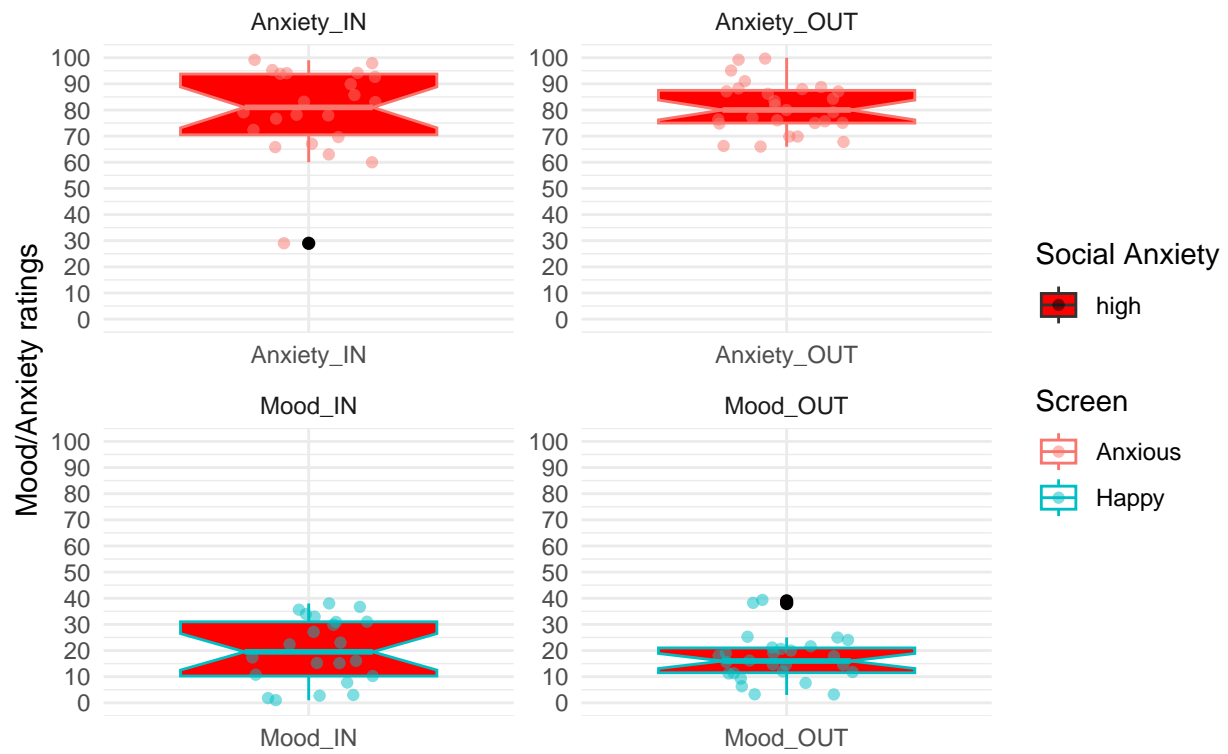
## Anxiety and Mood ratings for subject: SUPPRF73005



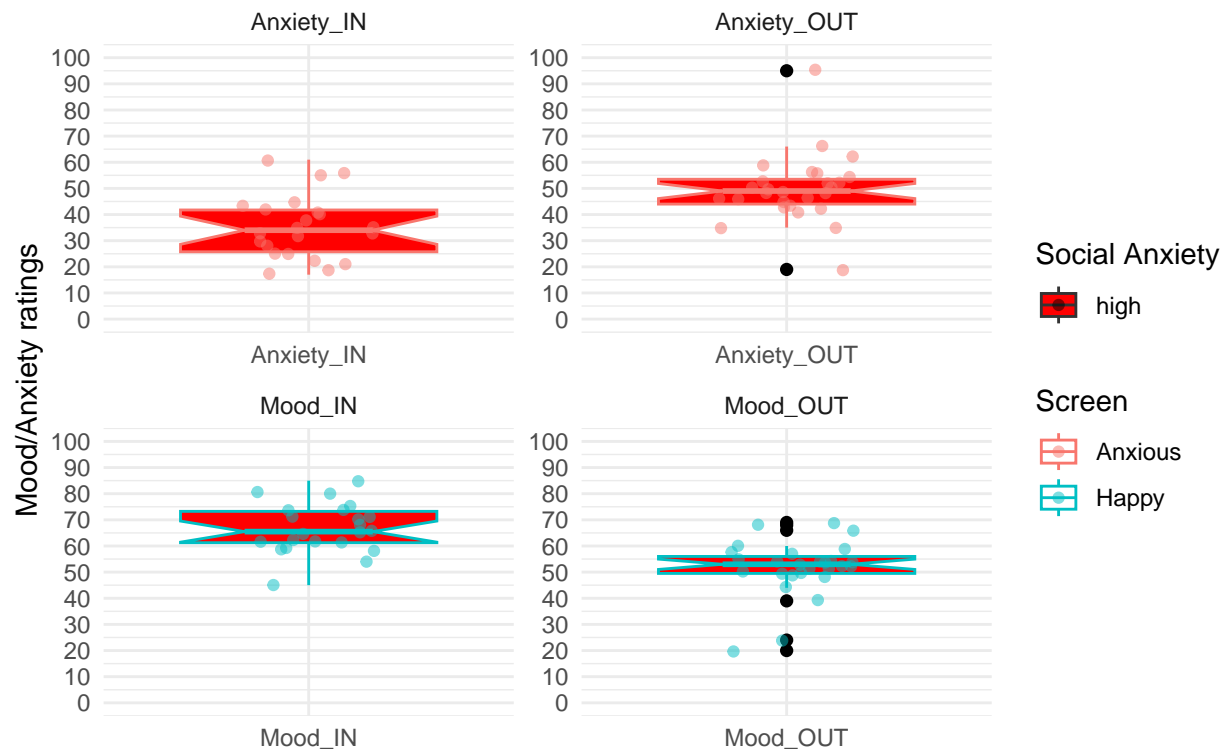
# Anxiety and Mood ratings for subject: SUPPRF80411



## Anxiety and Mood ratings for subject: SUPPRF66399

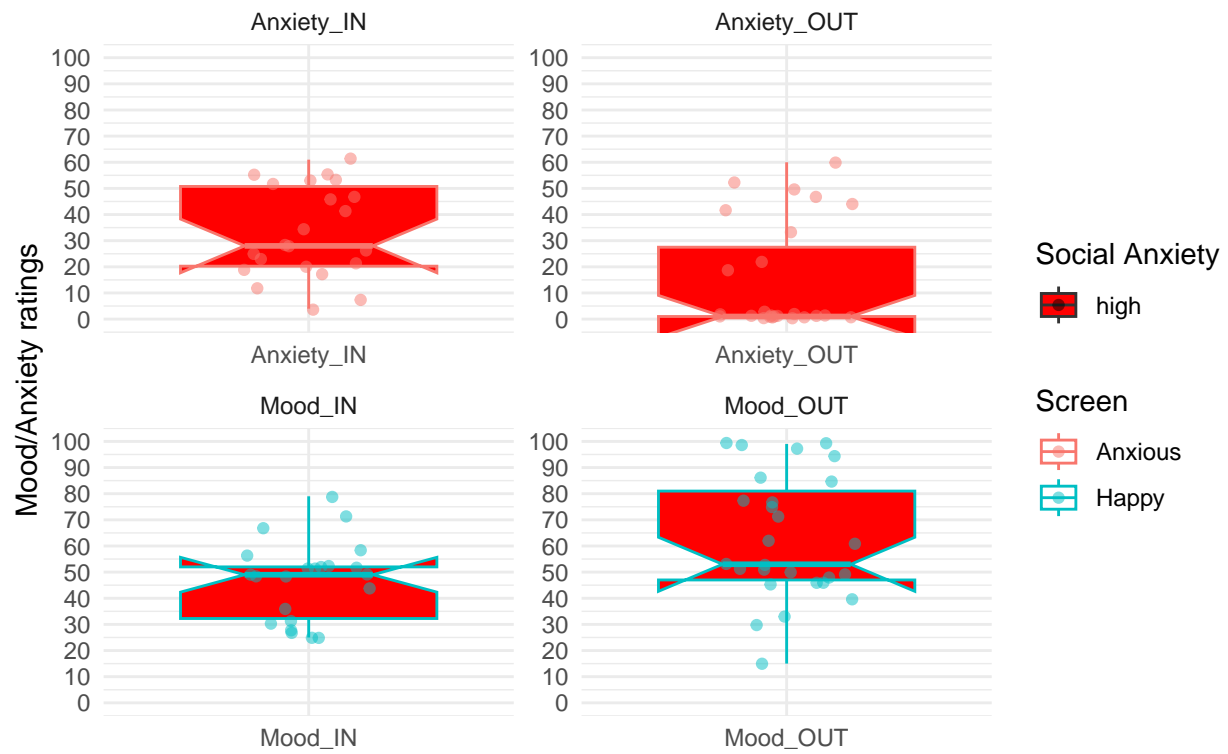


## Anxiety and Mood ratings for subject: SUPPRF33488

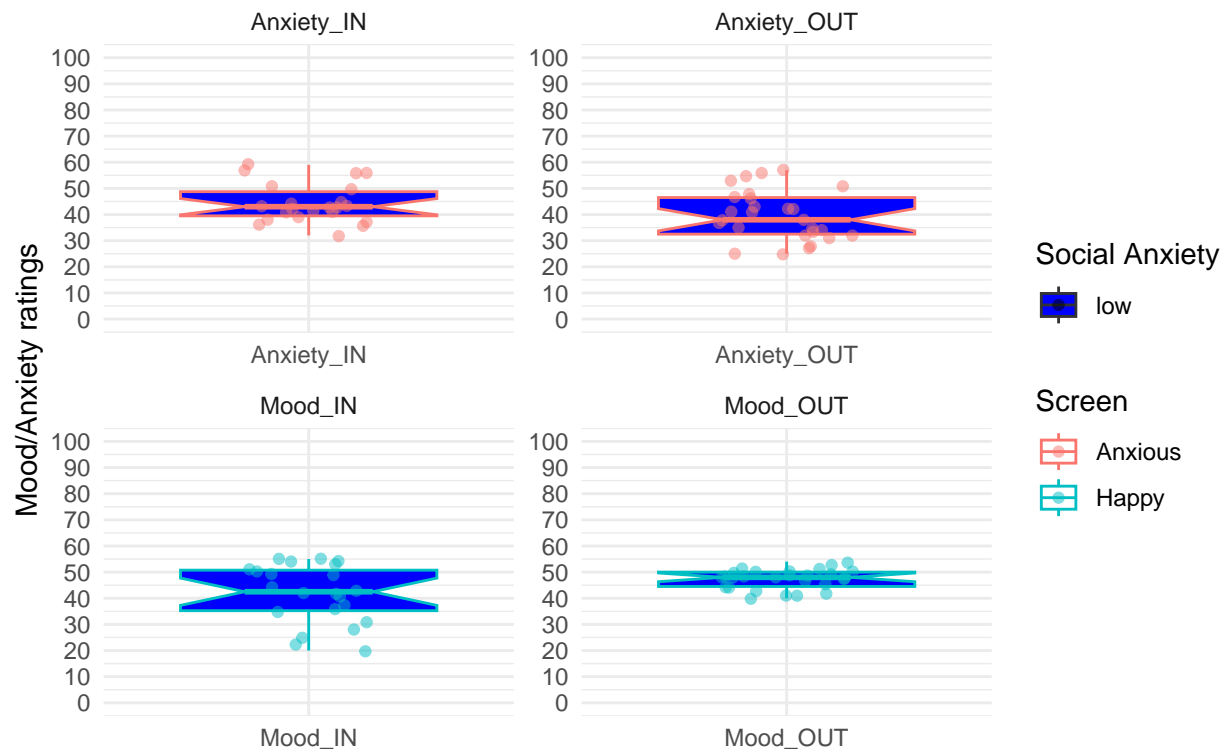




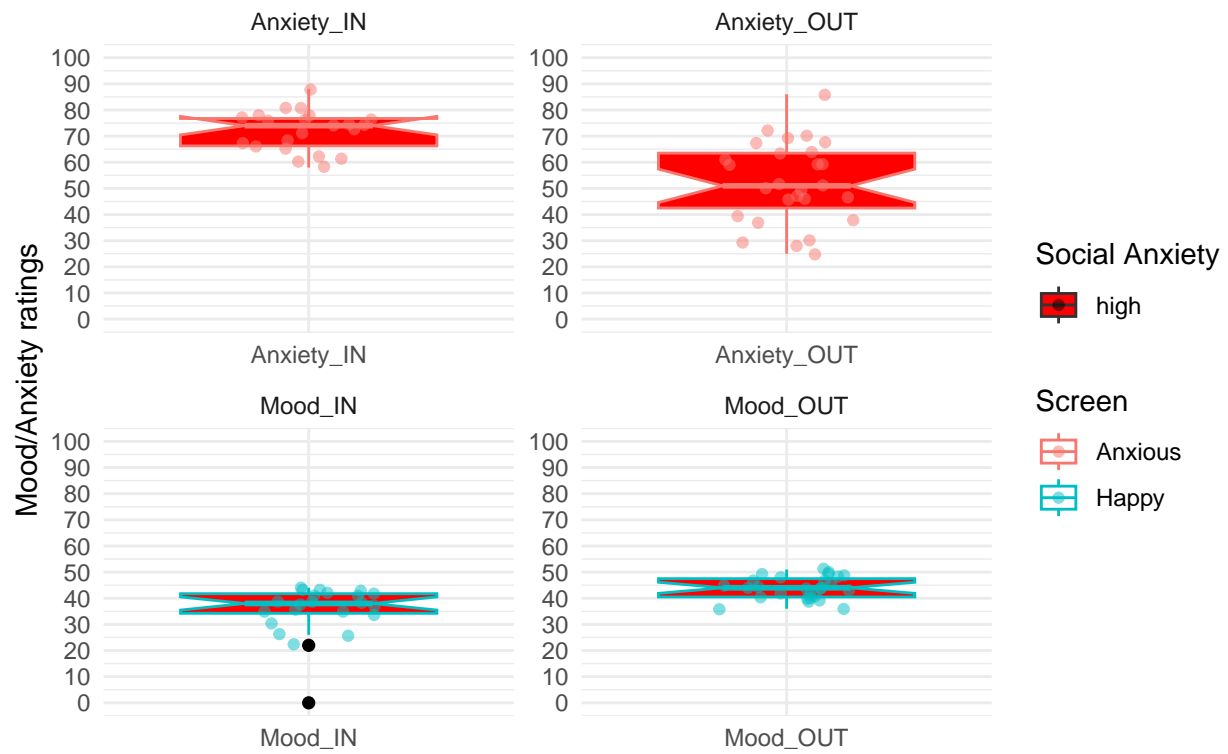
## Anxiety and Mood ratings for subject: SUPPRF83636



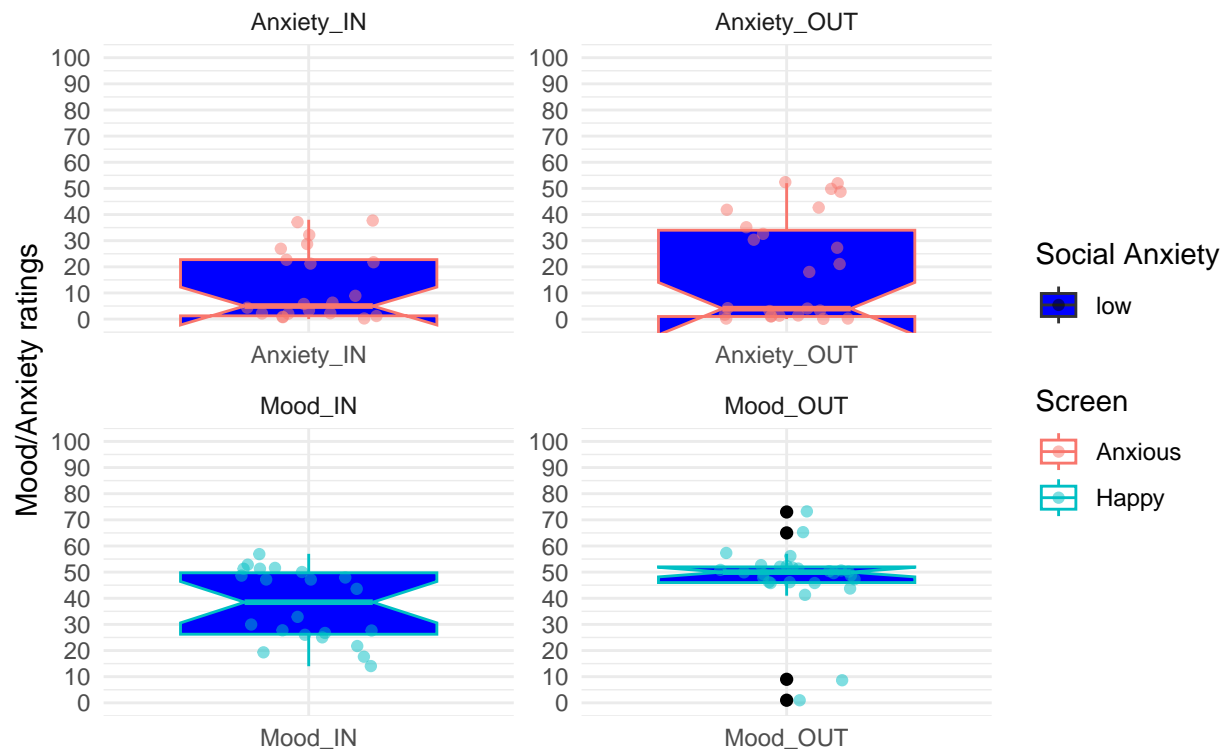
## Anxiety and Mood ratings for subject: SUPPRF46512



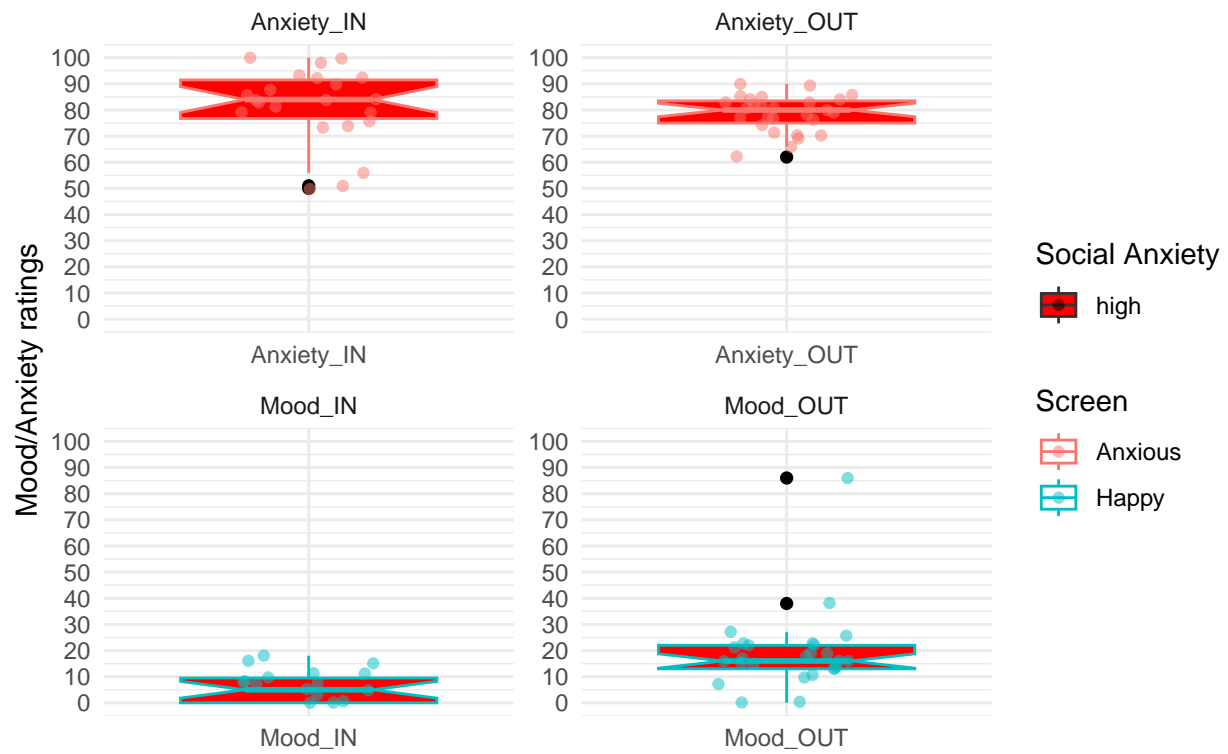
## Anxiety and Mood ratings for subject: SUPPRF79316



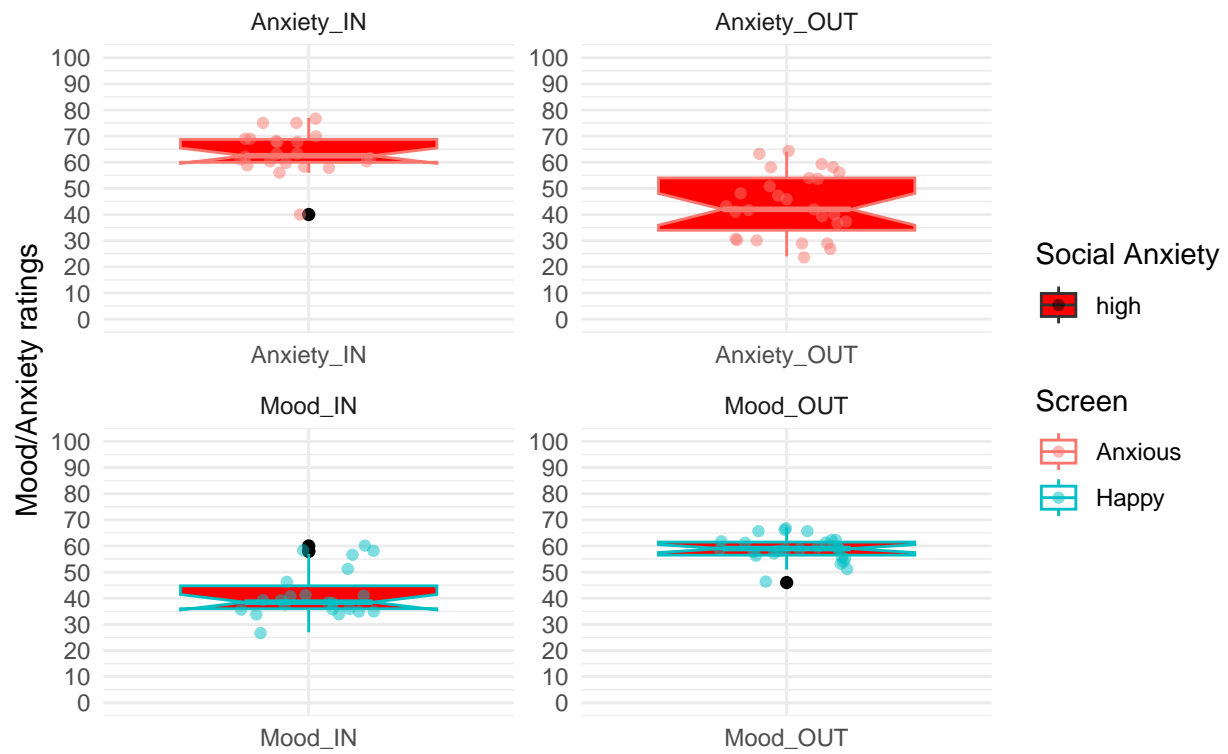
# Anxiety and Mood ratings for subject: SUPPRF41237



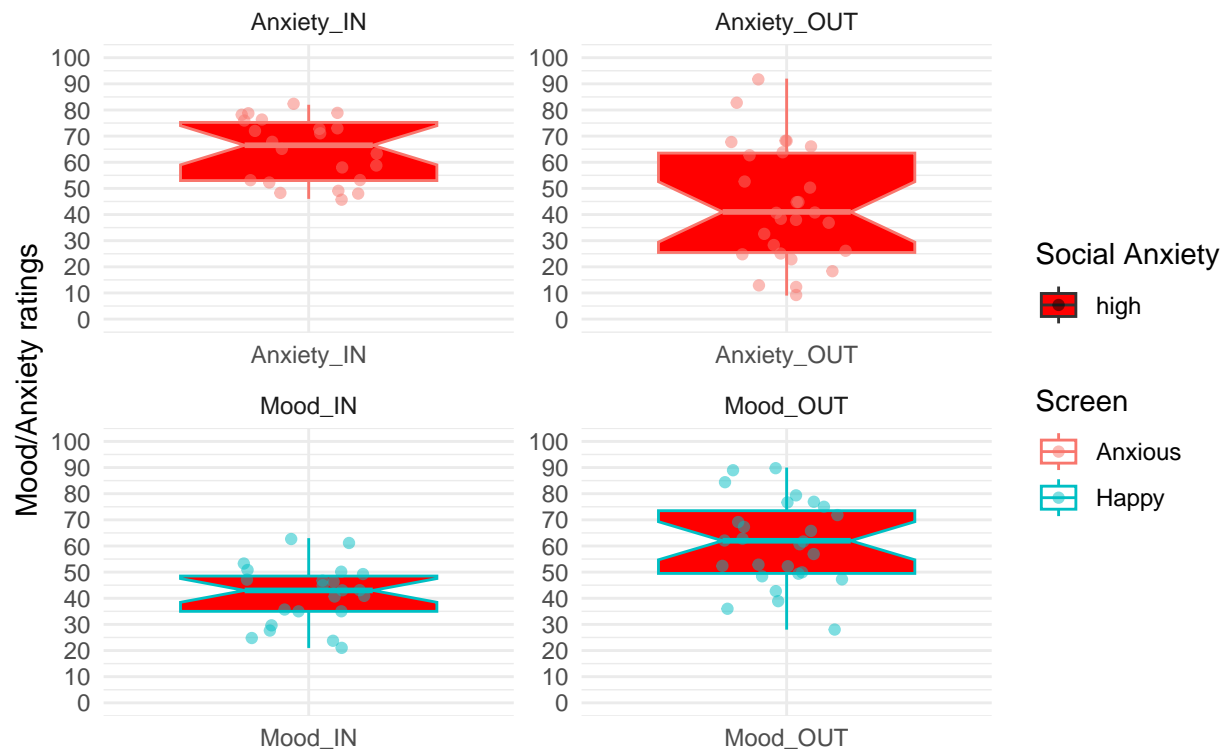
## Anxiety and Mood ratings for subject: SUPPRF62780



## Anxiety and Mood ratings for subject: SUPPRF80900



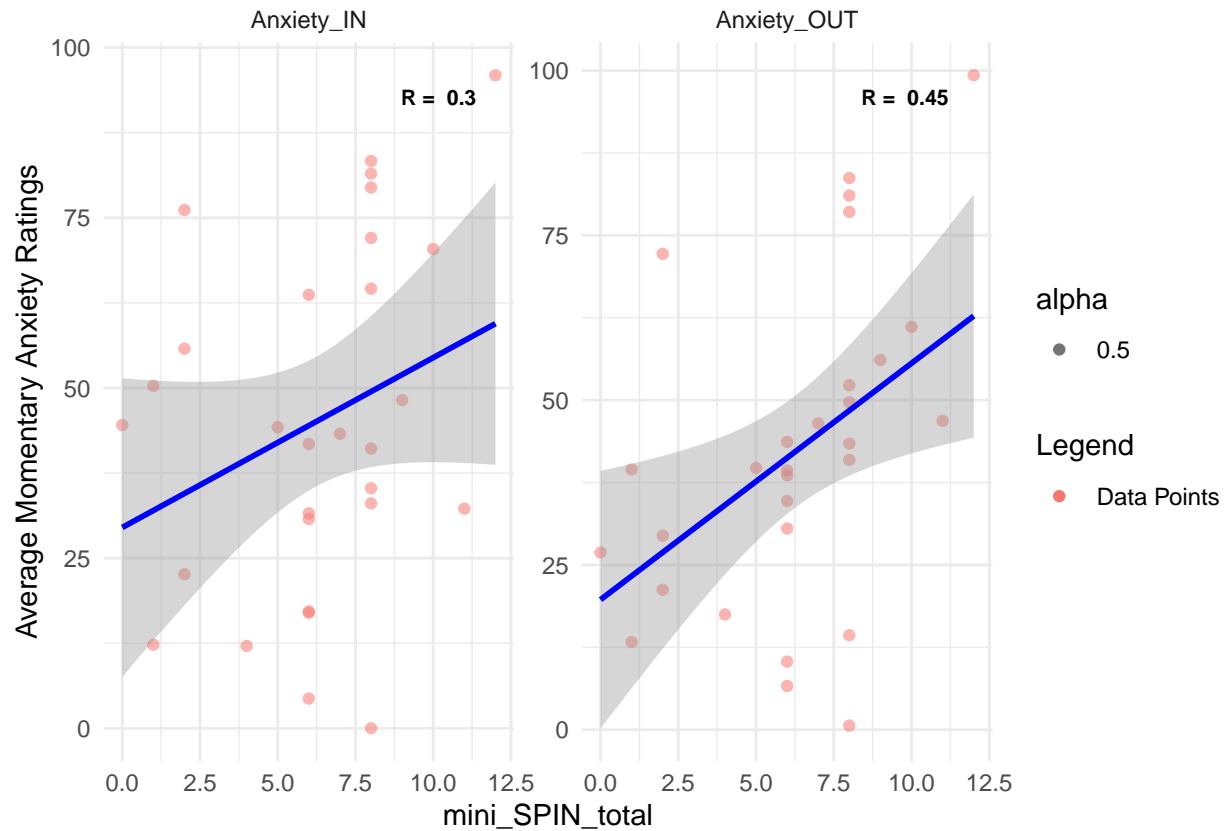
# Anxiety and Mood ratings for subject: SUPPRF34449



## Relationship between mini\_SPIN and momentary anxiety ratings

The plot below show the relationship between the (average) anxiety ratings on the task and total mini\_SPIN scores.

```
## [1] "correlation between mini_SPIN_total and average anxiety ratings: 0.371658363191696"
```

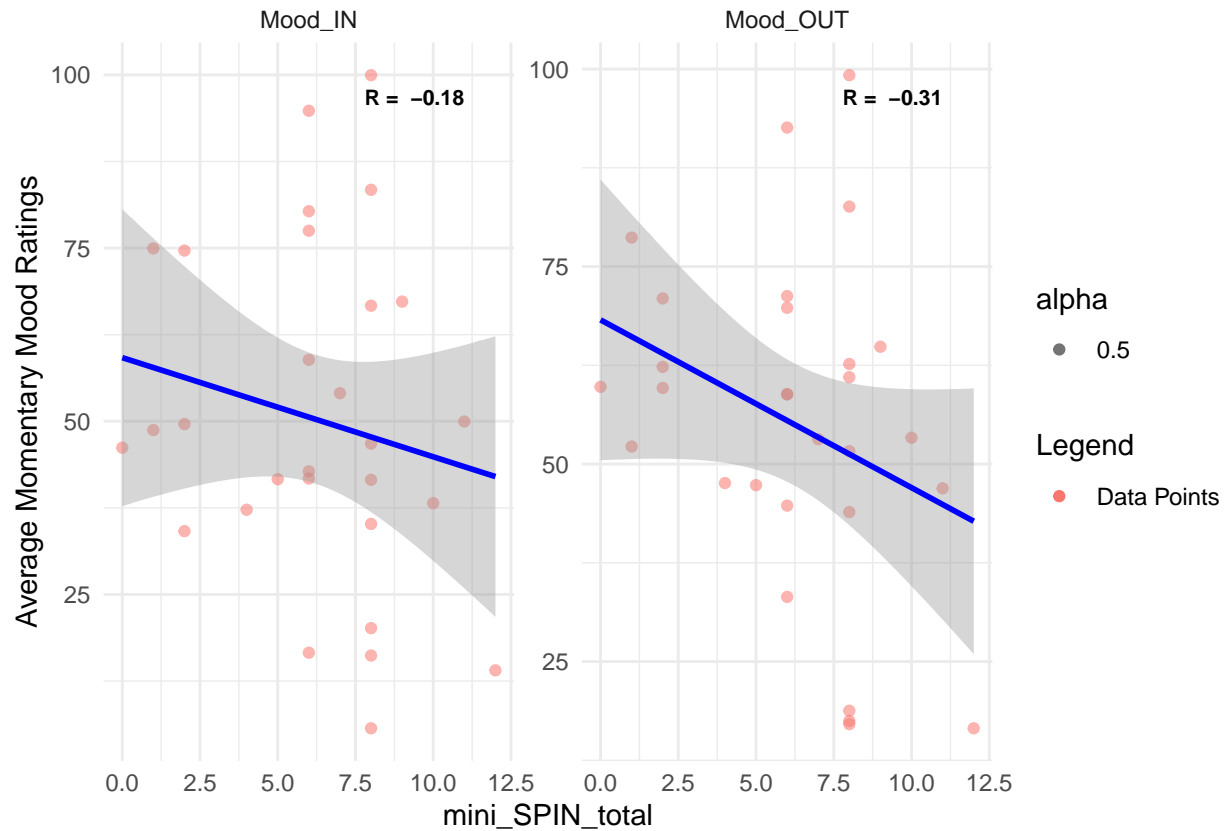




## Relationship between mini\_SPIN and momentary mood ratings

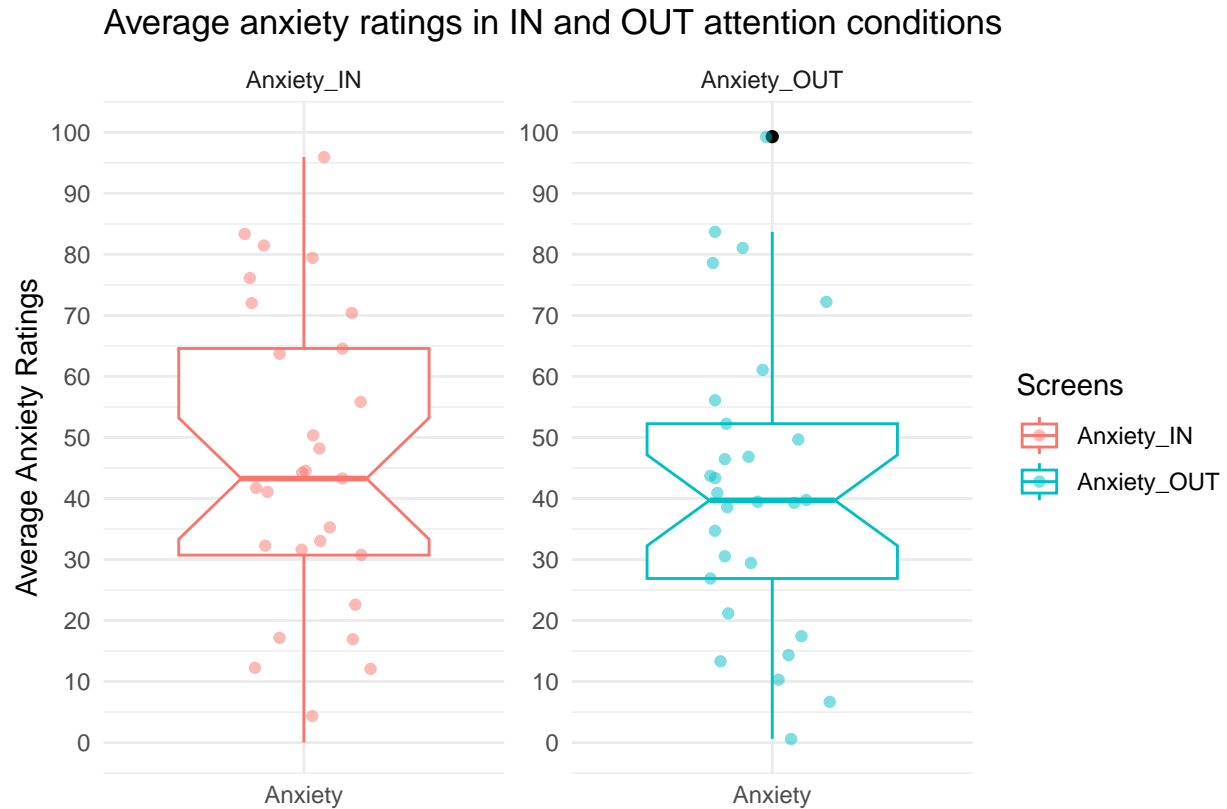
The plot below show the relationship between (average) mood ratings on the task and the total mini\_SPIN scores.

```
## [1] "correlation between mini_SPIN_total and average anxiety ratings: -0.244178582278169"
```



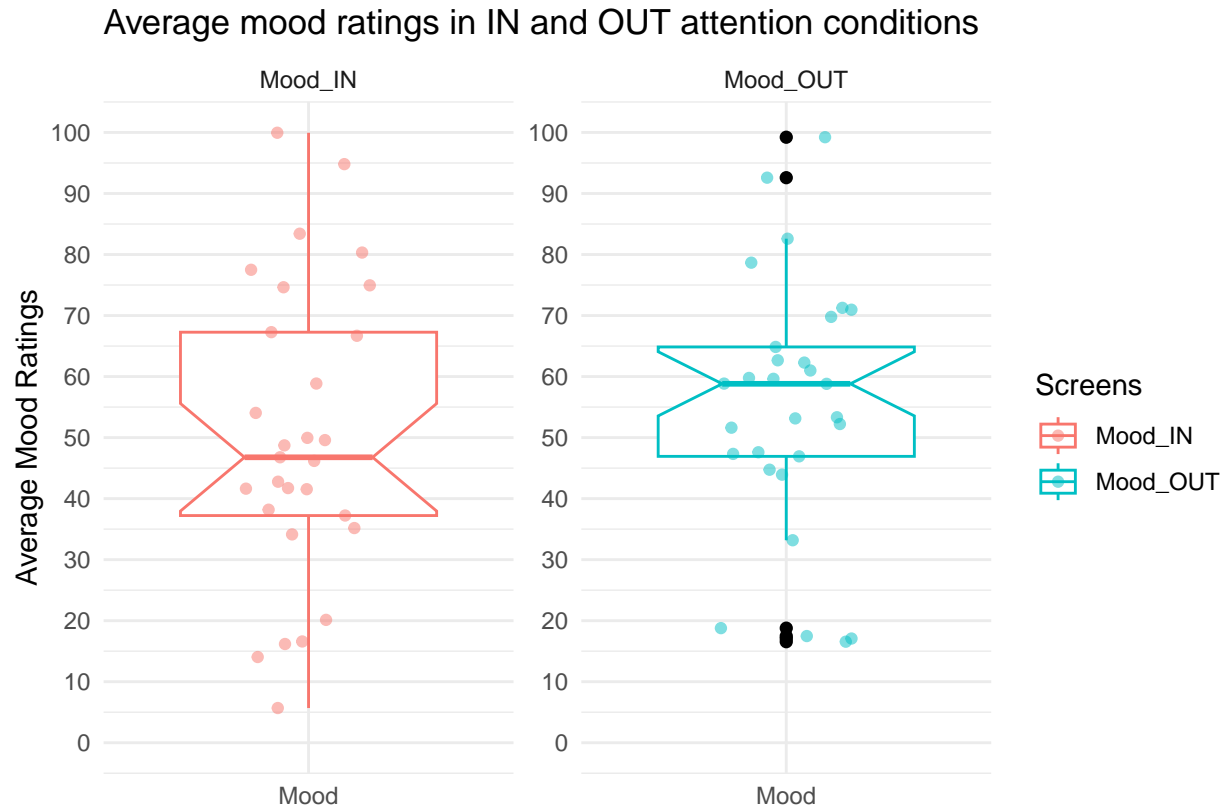
## Average Anxiety in IN and OUT attention conditions

The plot below show the average anxiety ratings in IN and OUT attention conditions where people paid internal and external attention respectively. I think without the outlier (black dot), the difference becomes bigger, will test it later.



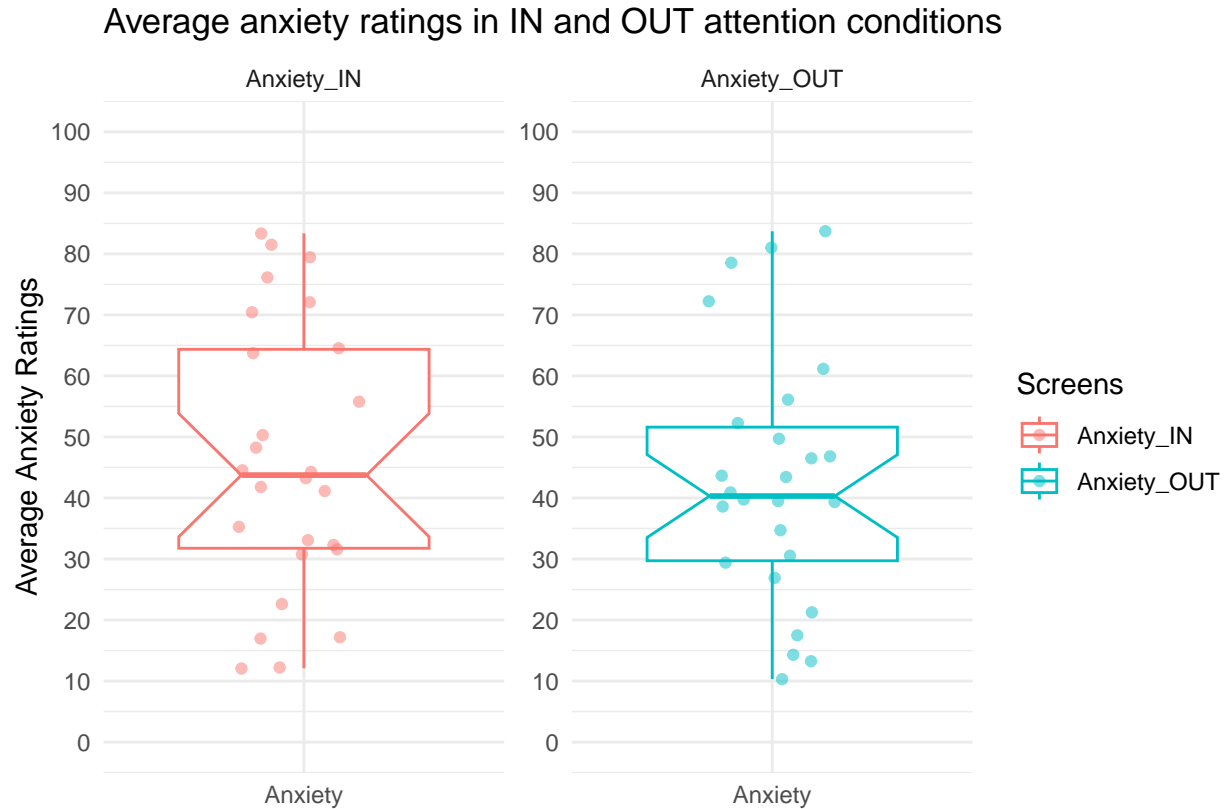
## Average Mood in IN and OUT attention conditions

The plot below show the average mood ratings in IN and OUT attention conditions where people paid internal and external attention respectively.



## Repeating the group plots after excluding outliers

I have excluded the following subjects to see how the group plots change: “SUPPRF09833”, “SUPPRF54499”, “SUPPRF50800”. They all had rated the same scores for anxiety and mood throughout the task (their histograms above are flat).



## Average mood ratings in IN and OUT attention conditions

