Surprise study pilot 21

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Study description

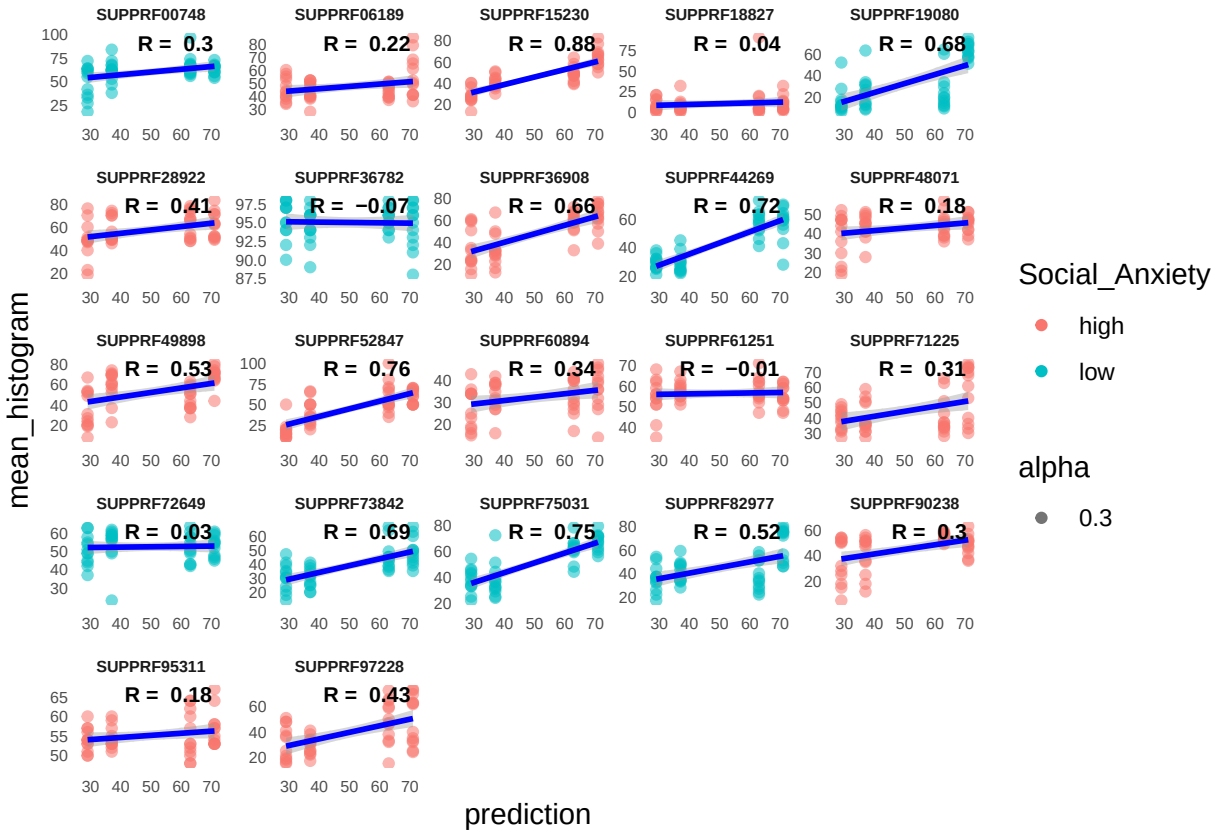
This study is the same as pilot 19, except we have now removed the second prediction after the feedback and replaced the image of the judges with real images of our relatives/friends.

The Gorilla experiment is the following: https://app.gorilla.sc/admin/project/130203 The task is the following: https://app.gorilla.sc/admin/task/799523/editor

```
## # A tibble: 22 x 2
##    Random_ID   Trial.Number
##    <chr>              <int>
##  1 SUPPRF00748           48
##  2 SUPPRF06189           48
##  3 SUPPRF15230           48
##  4 SUPPRF18827           48
##  5 SUPPRF19080           48
##  6 SUPPRF28922           48
##  7 SUPPRF36782           48
##  8 SUPPRF36908           48
##  9 SUPPRF44269           48
## 10 SUPPRF48071           48
## # i 12 more rows
```

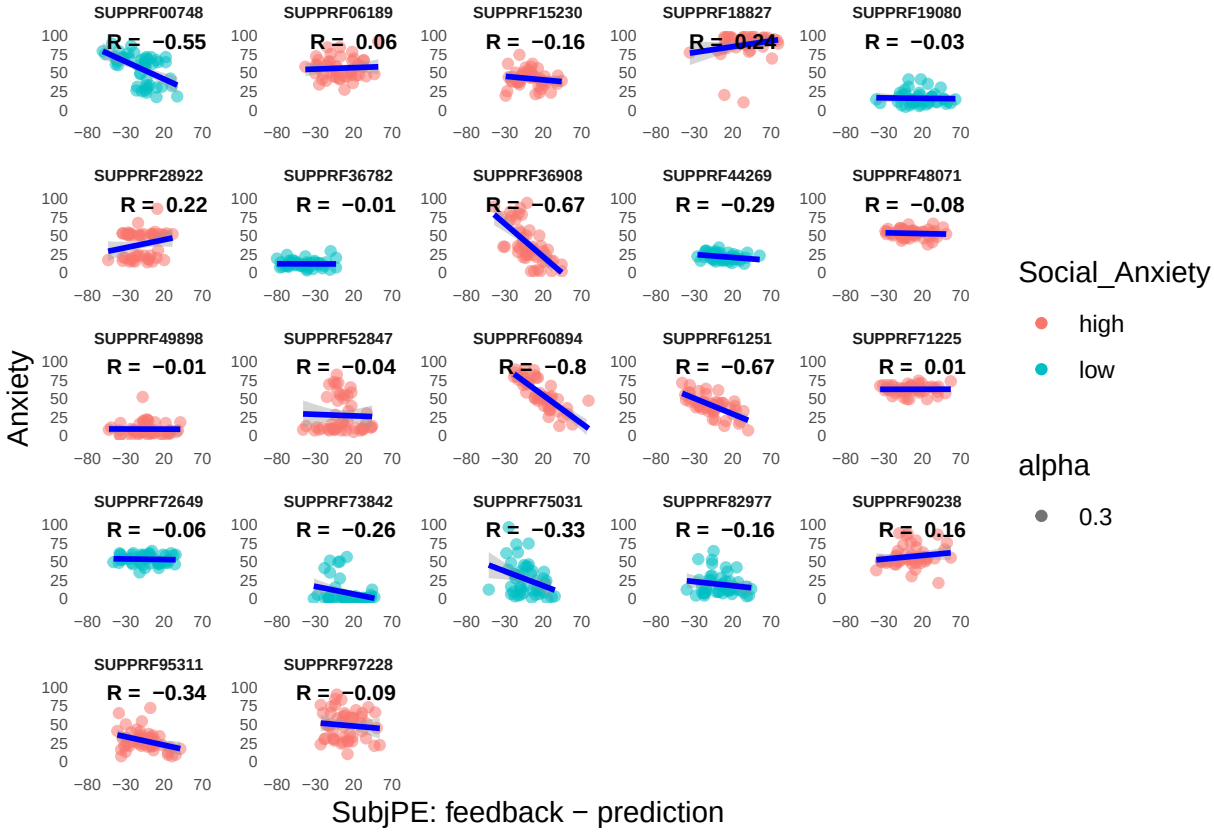
Relationship between prediction and mean histograms (4x only in the beginning)

```
## [1] "average correlation between mean_hist and prediction: 0.402636739530448"
```



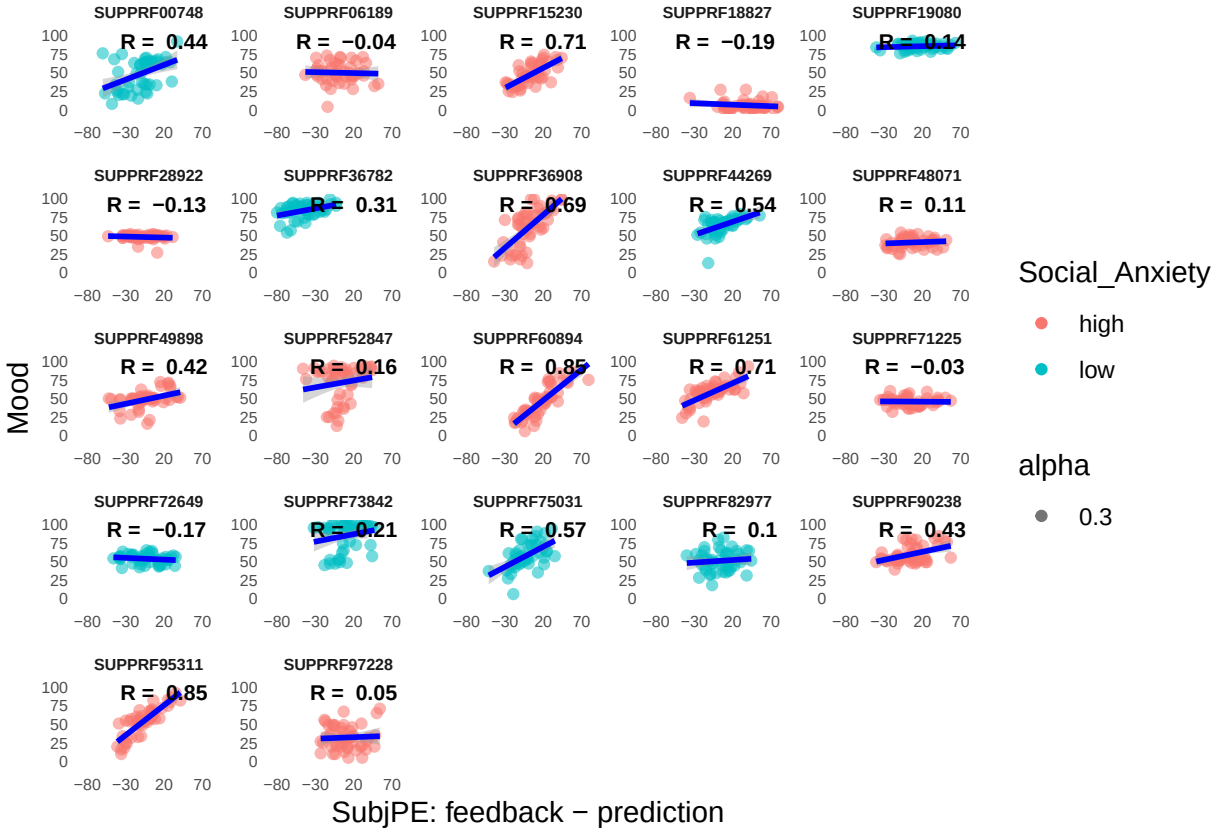
Relationship between Anxiety and SubjPE

```
## [1] "average correlation between anxiety and SubjPE: -0.174435397435862"
```



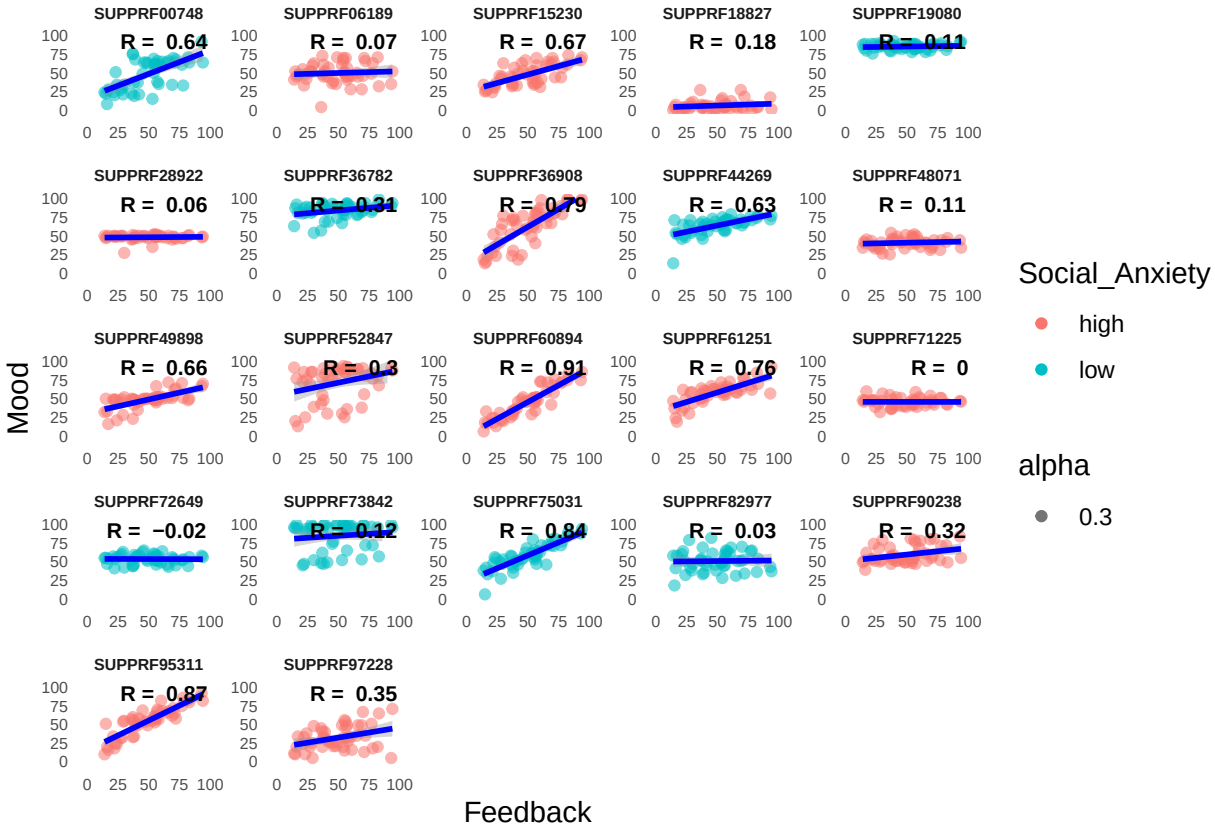
Relationship between Mood and SubjPE

```
## [1] "average correlation between mood and SubjPE: 0.307637950639759"
```



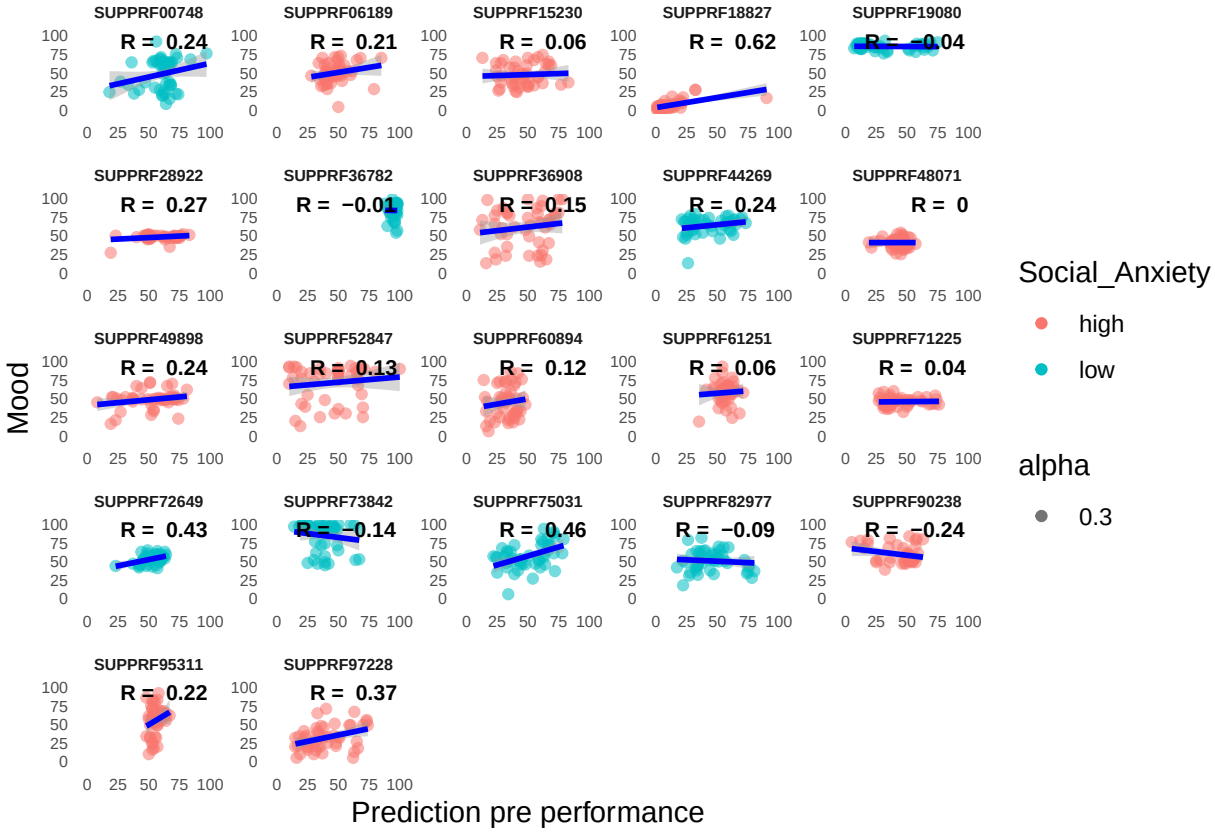
Relationship between Mood and feedback

```
## [1] "average correlation between mood and feedback: 0.396604900935229"
```



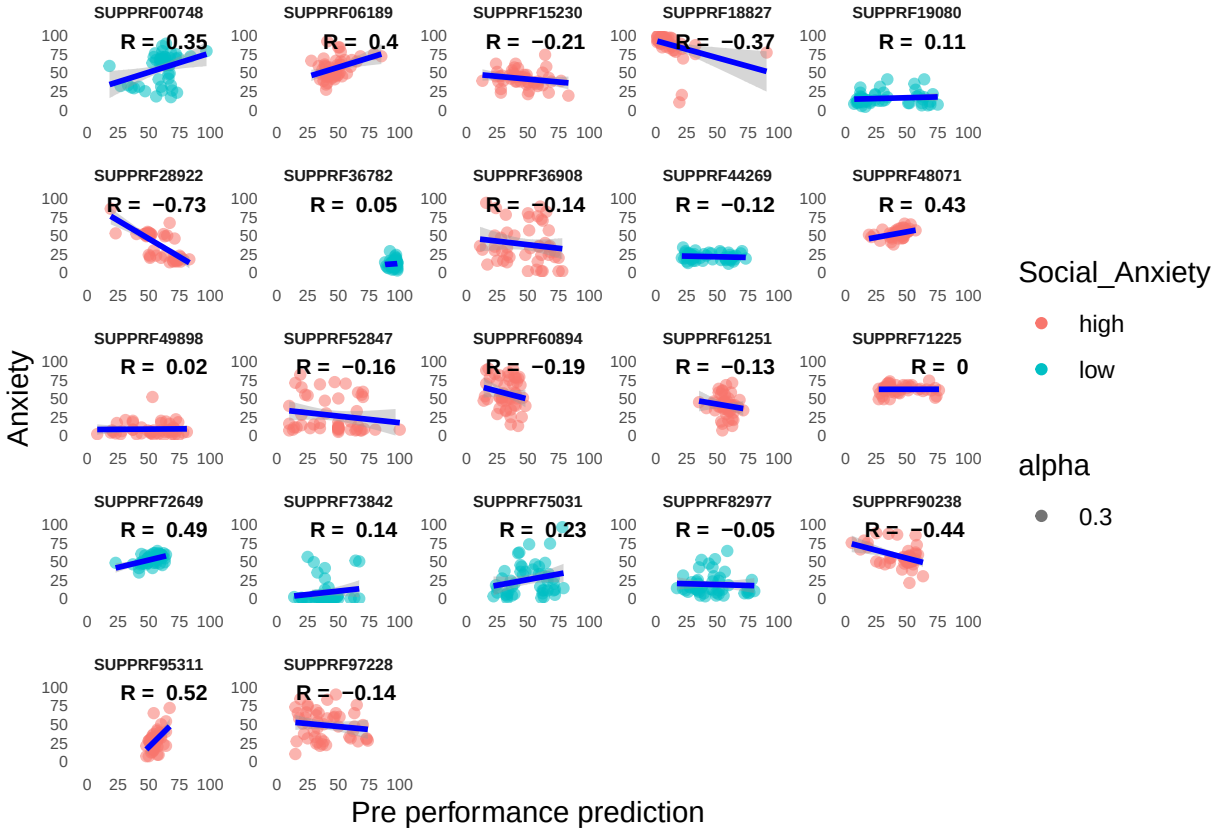
Relationship between Mood and prediction (pre-performance)

```
## [1] "average correlation between mood and prediction before performance: 0.15160702182912"
```



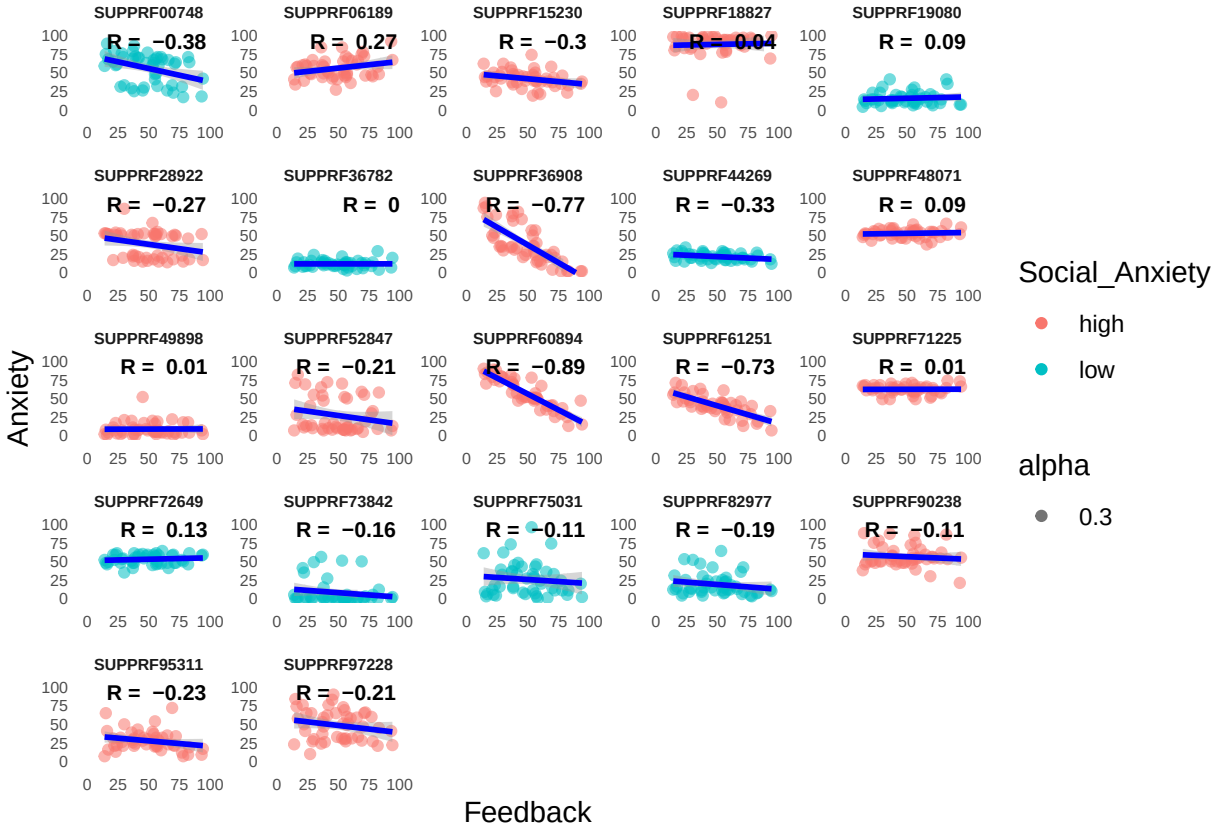
Relationship between Anxiety and prediction

```
## [1] "average correlation between anxiety and prediction: 0.00279249564394616"
```

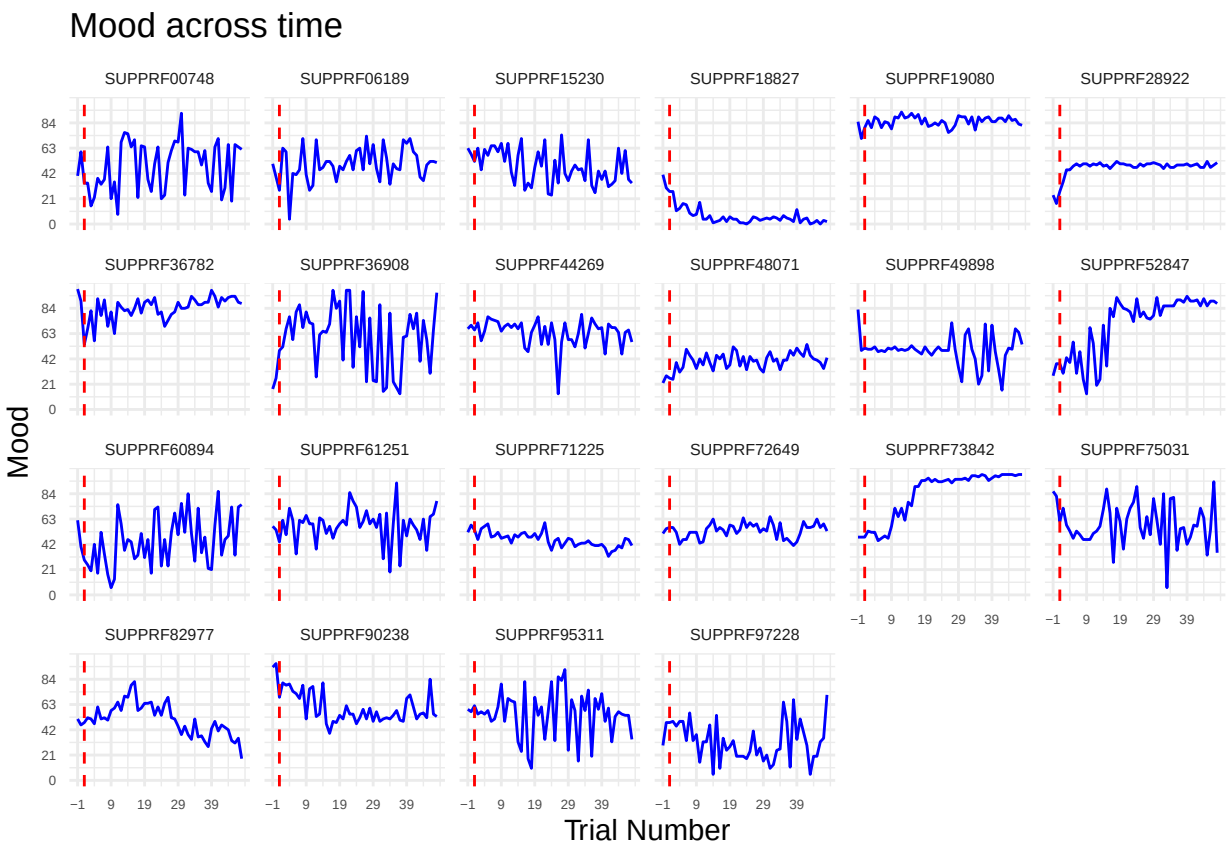


Relationship between Anxiety and feedback

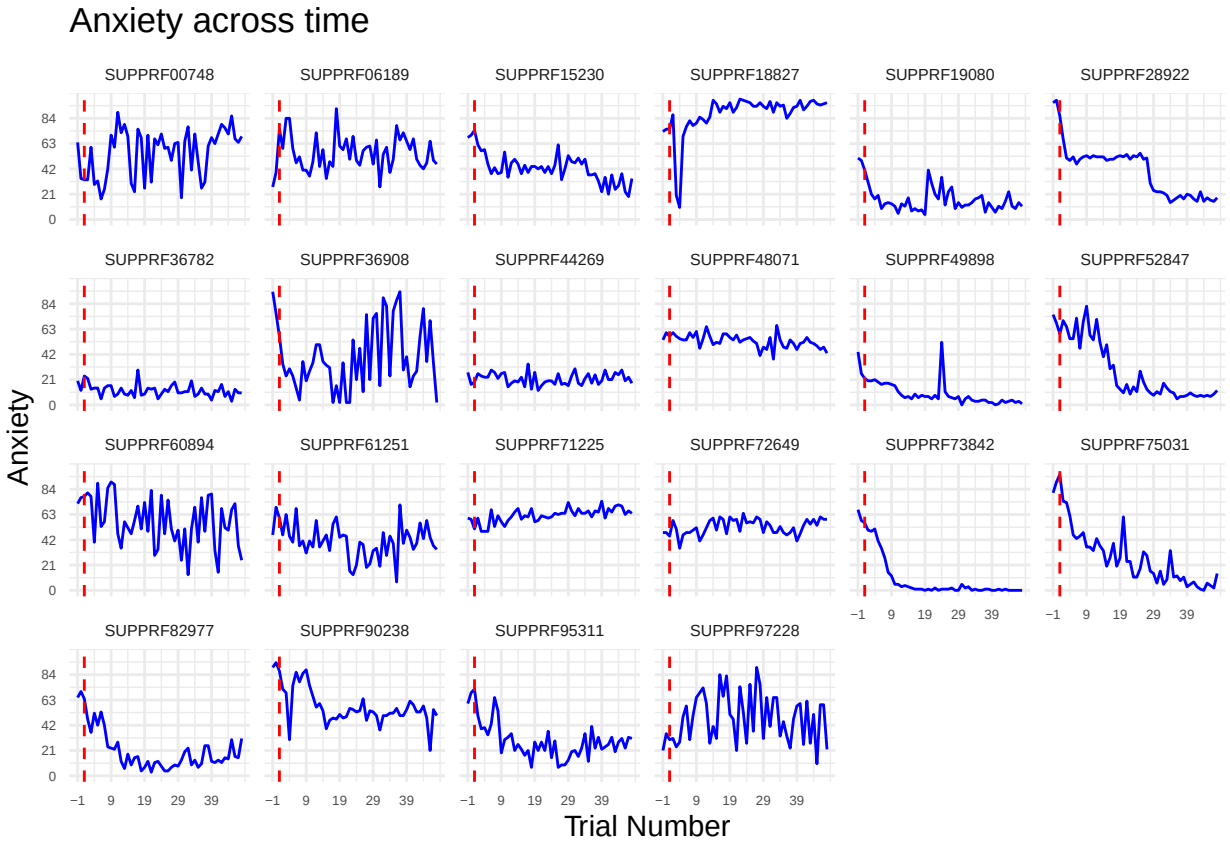
```
## [1] "average correlation between anxiety and feedback: -0.192603936109006"
```



Mood over time

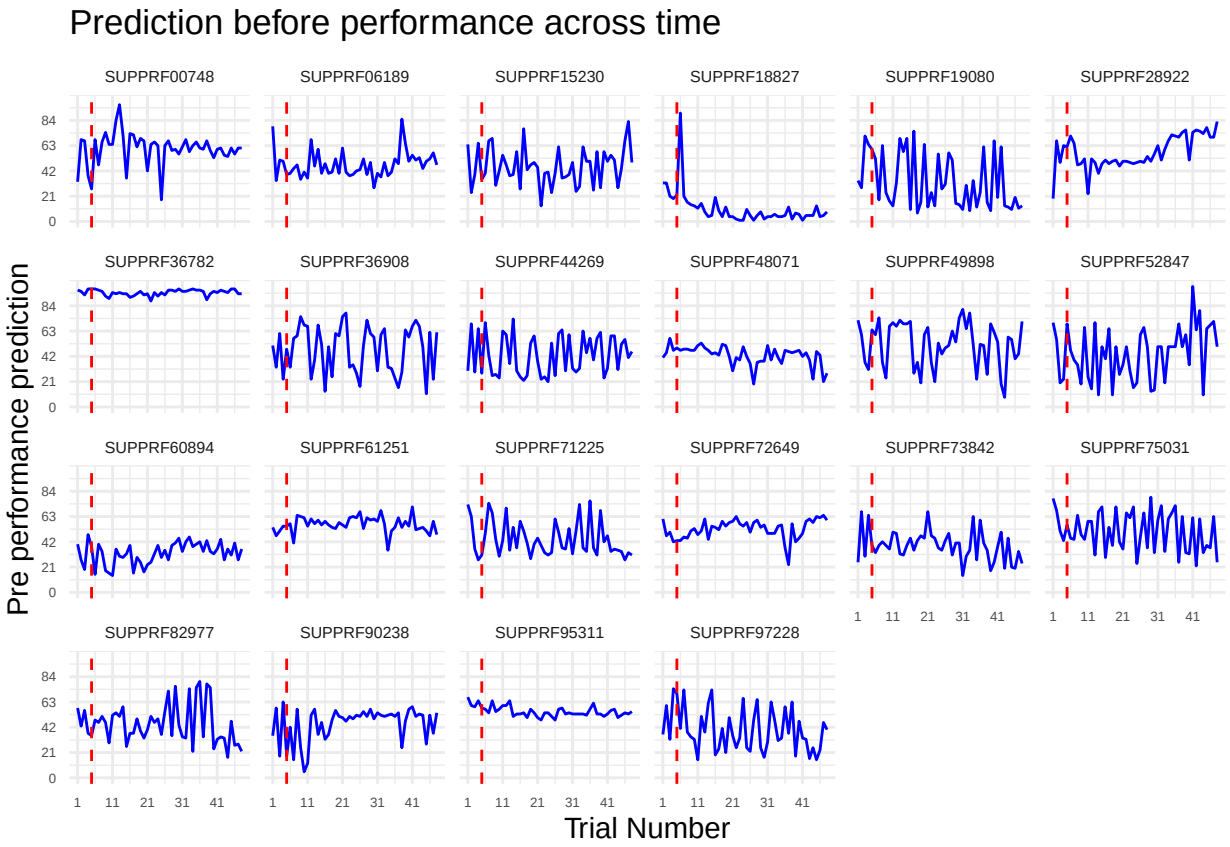


Anxiety over time

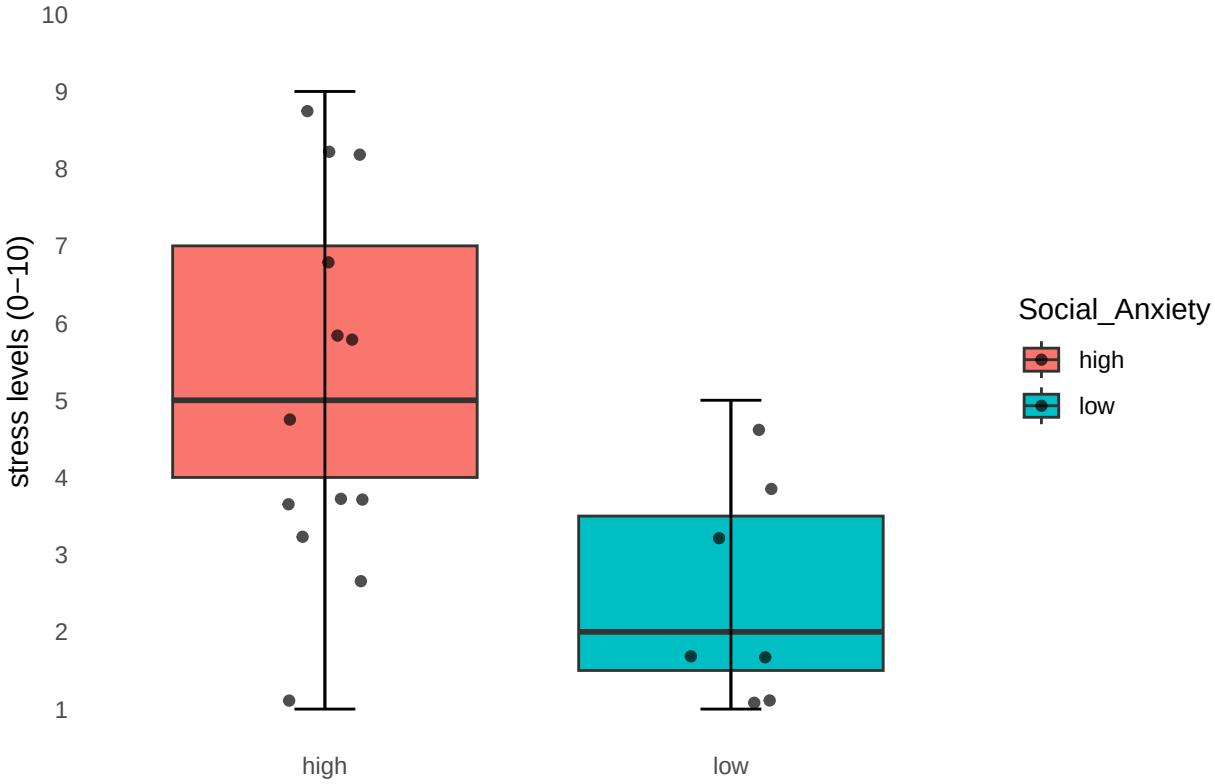


Prediction before performance over time

Red line presents until what points histograms were presented (4 first trials only).



Stress levels and social anxiety



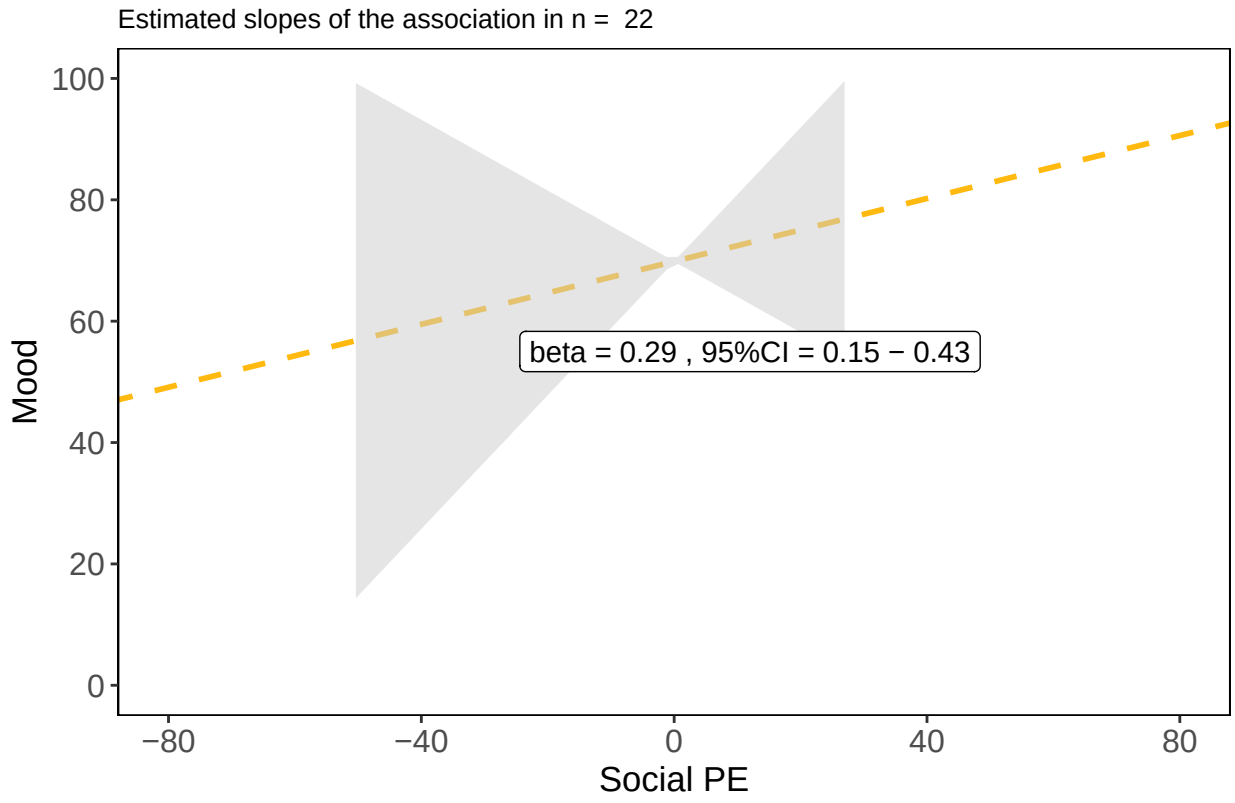
LME models for Mood and SubjPE

The best model seems to be: Mood ~ SubjPE + mini_SPIN_total + (SubjPE | Random_ID)

```
## [1] 8518.69
```

```
## [1] 8663.54
```

```
## [1] 8514.202
```



LME models for Anxiety and SubjPE

The best model seems to be: Anxiety ~ SubjPE + mini_SPIN_total + (SubjPE | Random_ID)

```
## [1] 8739.681
```

```
## [1] 8829.555
```

```
## [1] 8733.434
```