

Surprise study analysis

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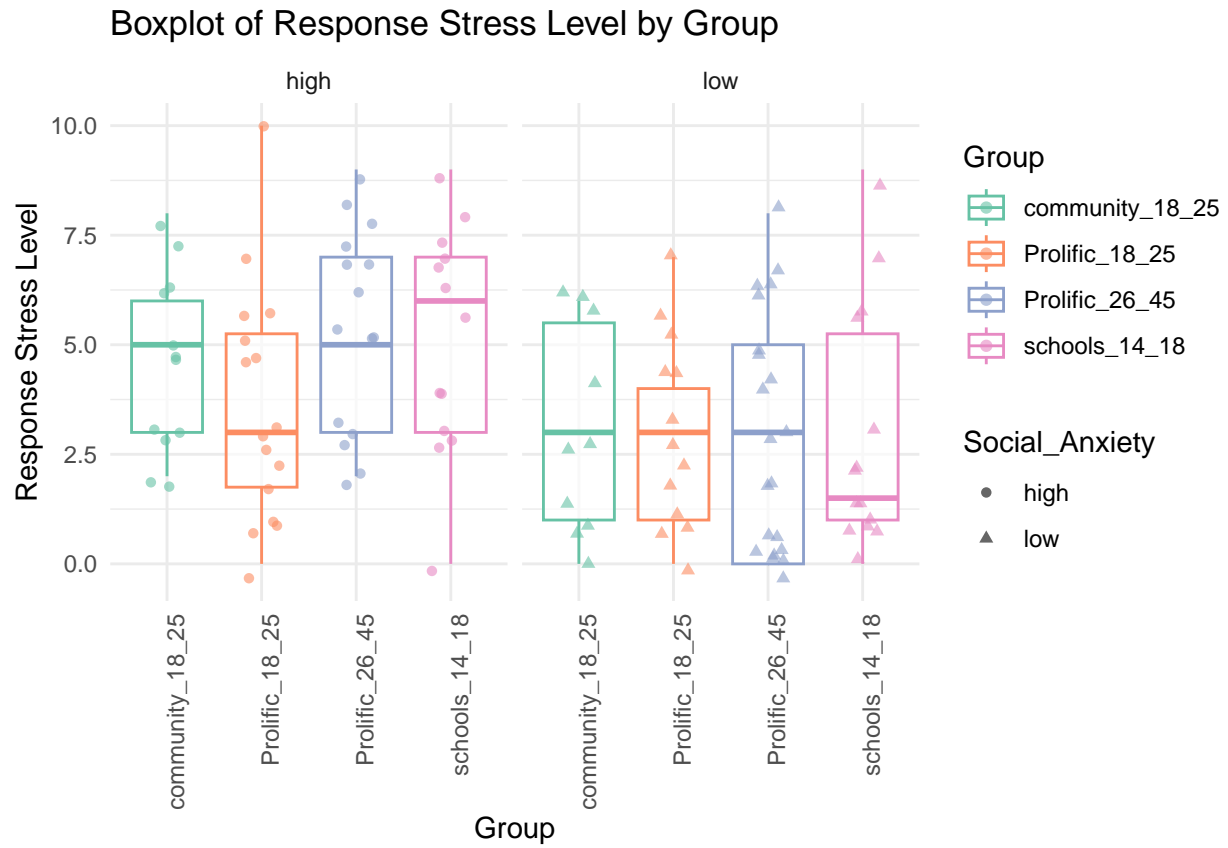
Study description

This is the first surprise study using the same task version as pilot 21. We had the following groups of participants with the experiment's corresponding Gorilla link: - Prolific aged 18-25 (n = 30): <https://app.gorilla.sc/admin/experiment/180921/design> - Prolific aged 26-45 (n = 38): <https://app.gorilla.sc/admin/experiment/185160/design> - School students aged 14-18 (n = 30): <https://app.gorilla.sc/admin/experiment/177048/design> - Promunity participants aged 18-25 (n = 24): <https://app.gorilla.sc/admin/experiment/180348/design>

The sample sizes include participants that potentially need to be excluded.

Stress levels per group

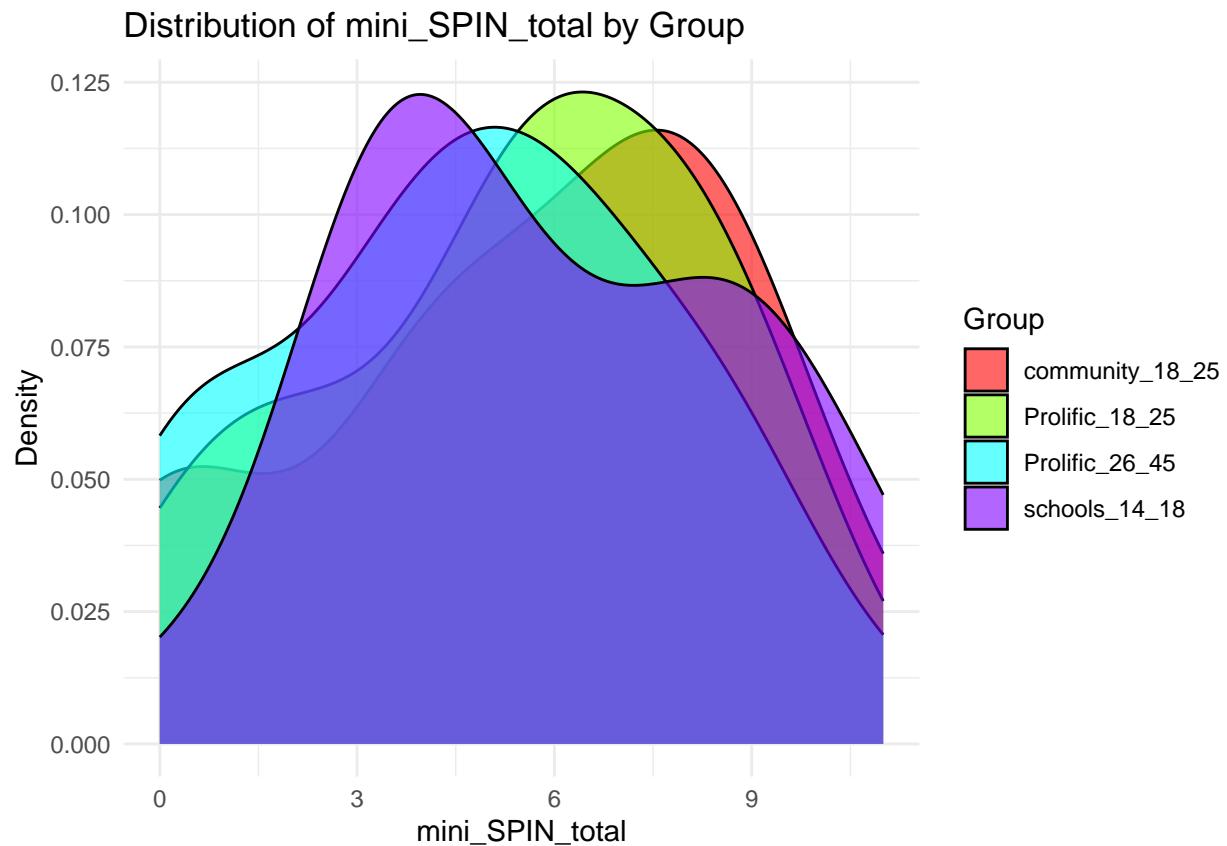
It seems that stress levels between high vs low social anxiety groups are different in school kids, prolific participants aged 26-45; in other two groups there seem to be no difference in stress levels.



Social Anxiety counts per group

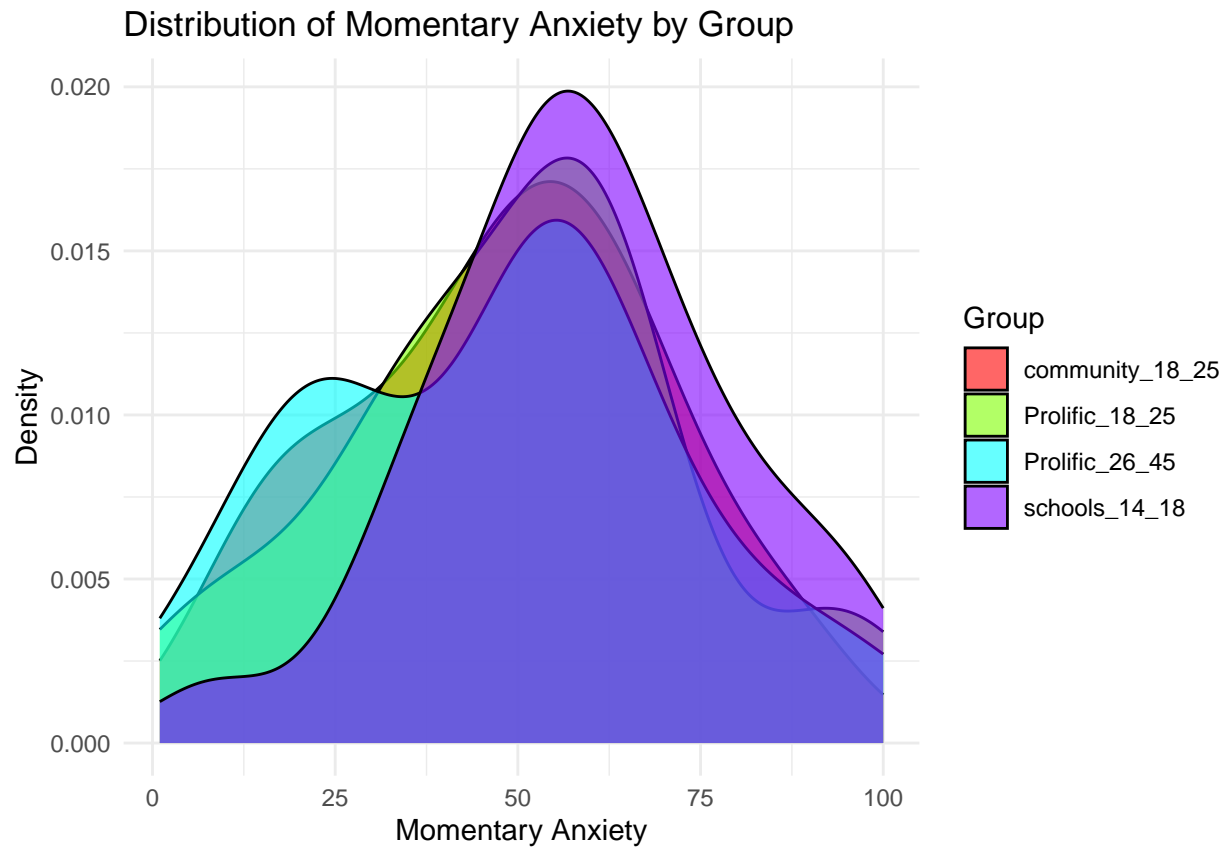
It seems that the social anxiety (mini_SPIN) is quite balanced between groups and the density distribution is quite similar across groups as well. More people aged 18-25 seem to have high mini_spin scores.

```
## # A tibble: 4 x 3
## # Groups:   Group [4]
##   Group      high  low
##   <chr>    <dbl> <dbl>
## 1 community_18_25    12    10
## 2 Prolific_18_25    16    13
## 3 Prolific_26_45    15    21
## 4 schools_14_18     13    14
```



Momentary anxiety per group

It seems that some Prolific participants in both age groups reported lower momentary anxiety, but other than that the distribution seems quite similar. The peak seems to be slightly above 50 (all groups slightly more anxious, community and school students more anxious?).



Momentary mood per group

The peak seems to be slightly below mid point of 50.

