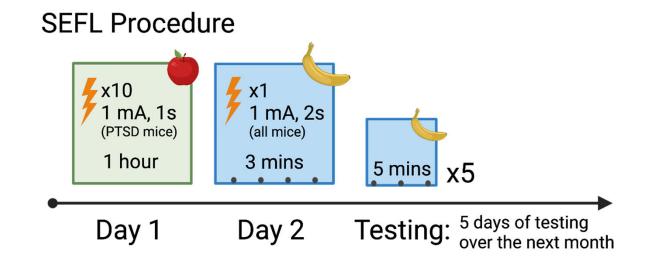
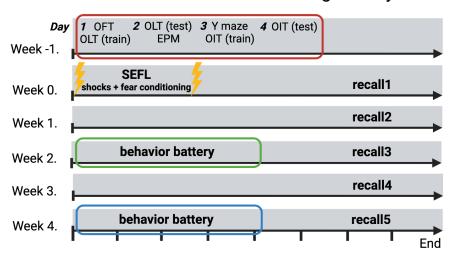
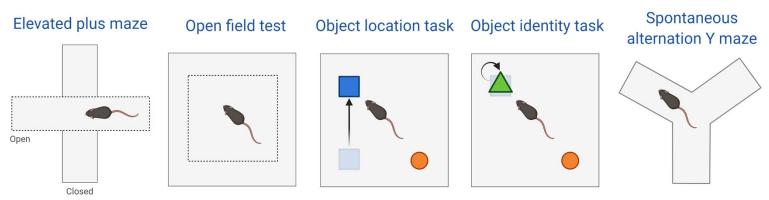
Stress Enhanced Fear Learning (SEFL) — Rau et al. 2005

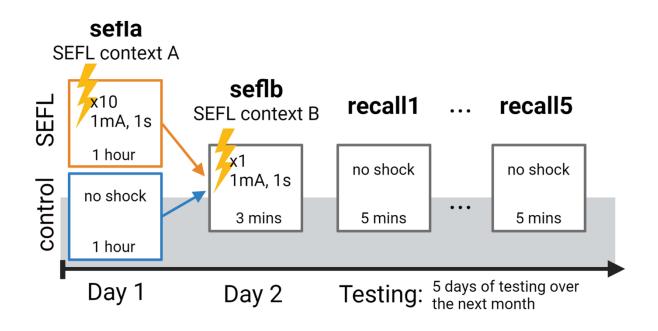
- Model for the study of PTSD
- Trauma (10 shocks in context A) plus generalization (1 shock in context B)
- Readout: Freezing in context B on testing days



SEFL + Behavioral Profiling Battery

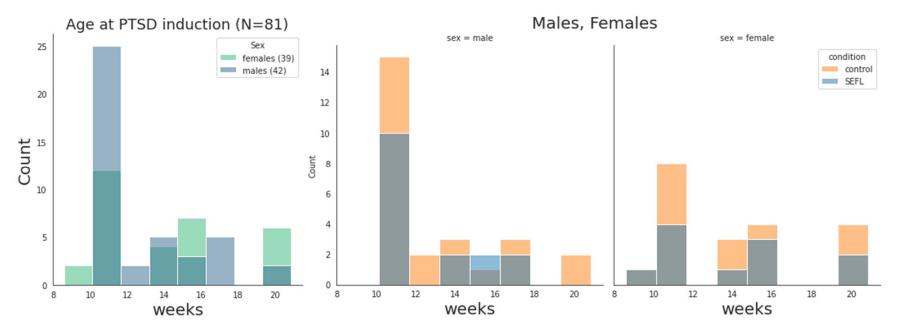




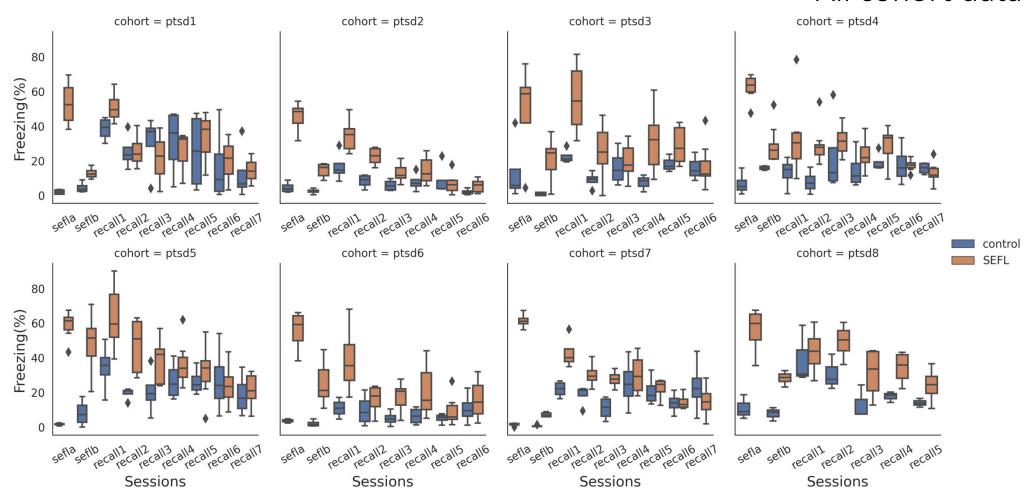


TODO: change this to just a pointplot w/ SE/SEN

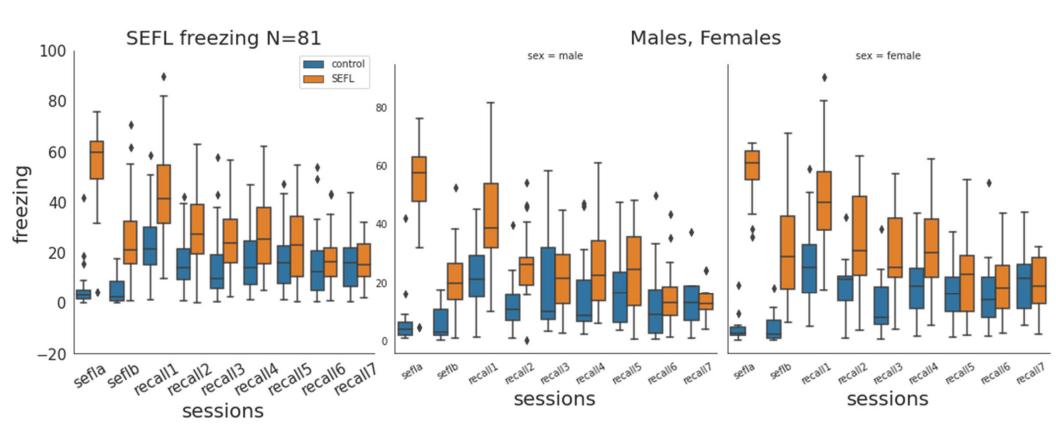
The mice

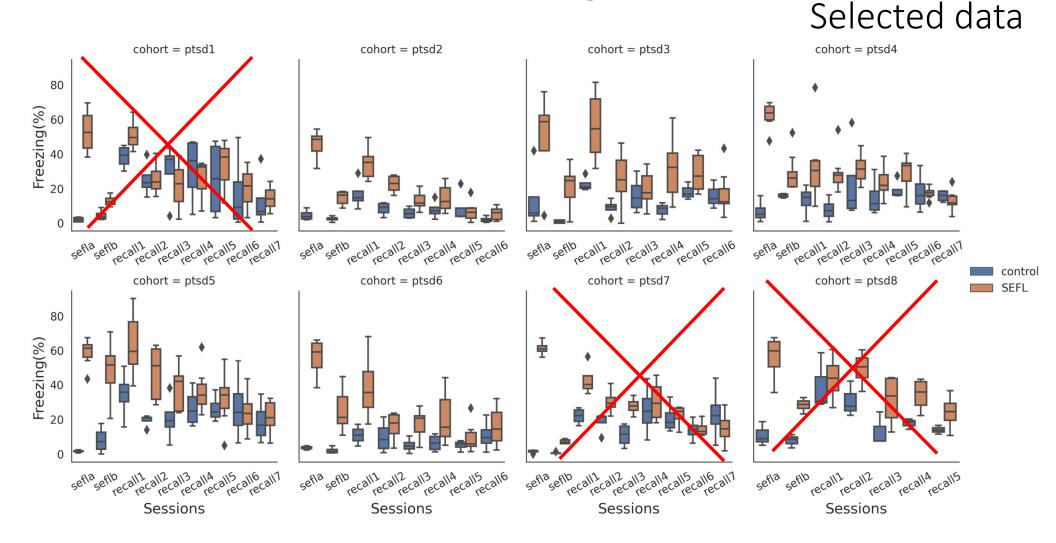


All cohort data

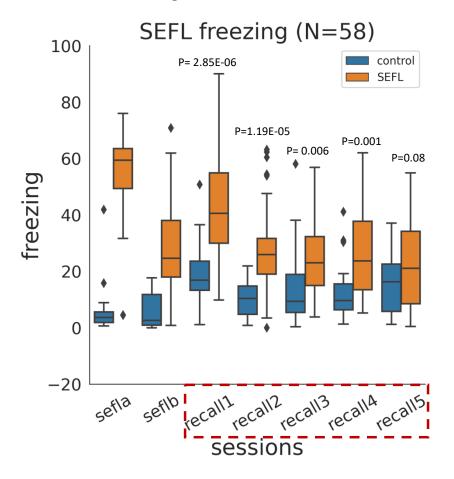


All cohorts average

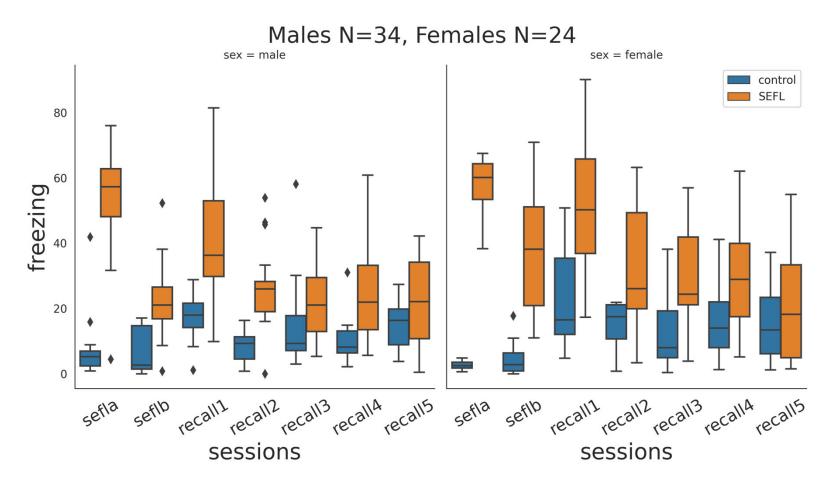


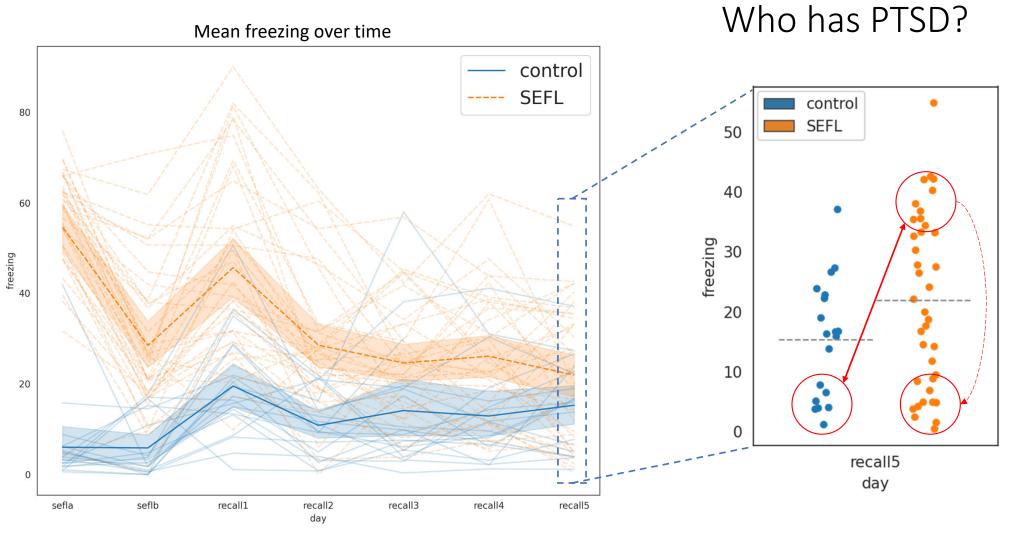


Average of selected cohorts

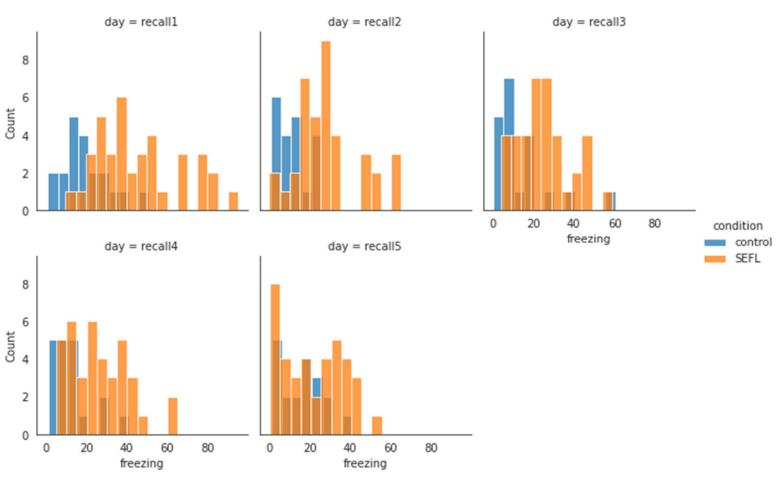


```
$ANOVA
                             1.775 1.88e-01
                                                   0.018000
                         53 23.906 9.79e-06
                                                 * 0.202000
                        212 15.843 2.32e-11
                                                 * 0.116000
      sex:condition
                                                   0.000158
                             1.196 3.14e-01
                      4 212
                                                   0.010000
      condition:day
                             6.255 8.91e-05
                                                 * 0.049000
                      4 212
7 sex:condition:day
                      4 212 0.374 8.27e-01
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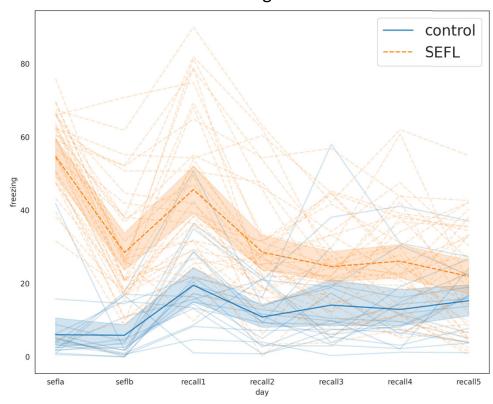


Predicting based on previous experience I.



Predicting based on previous experience I.

Mean freezing over time



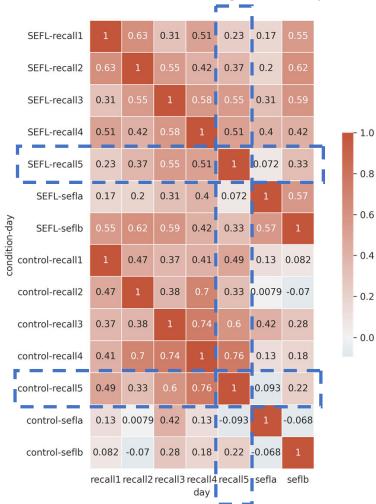
Correlation of freezing across days

- 1.0

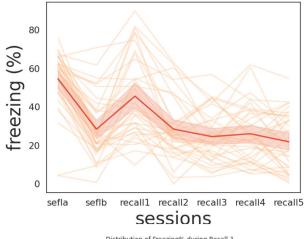
0.6

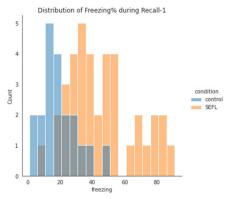
- 0.4

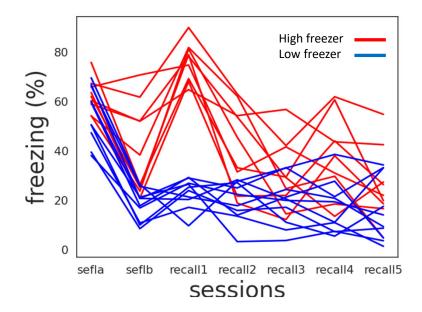
- 0.2



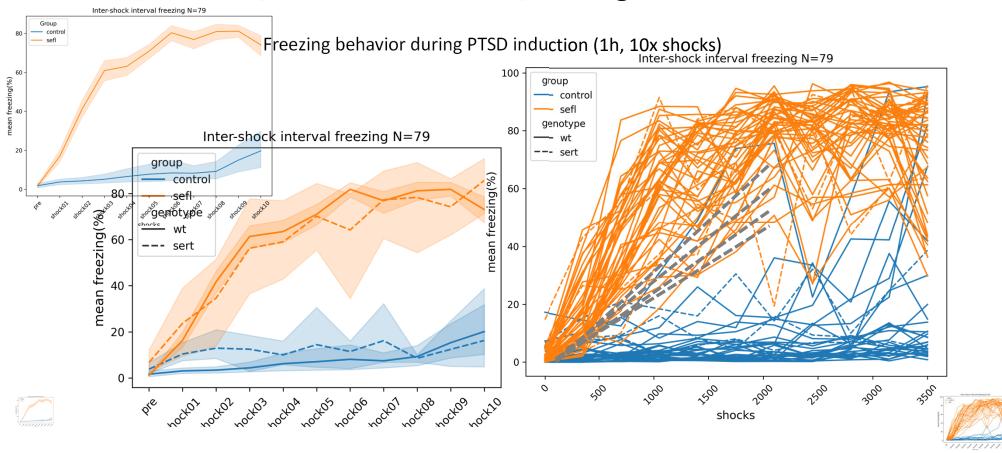
Predicting based on previous experience I.



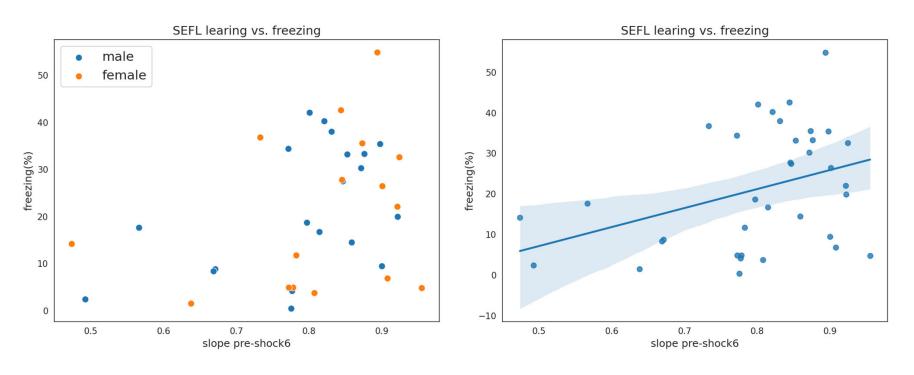




Predicting freezing based on learning during induction



Predicting freezing based on learning



R-squared: 0.137109 p: 0.026218

Effect of psilocybin on freezing

