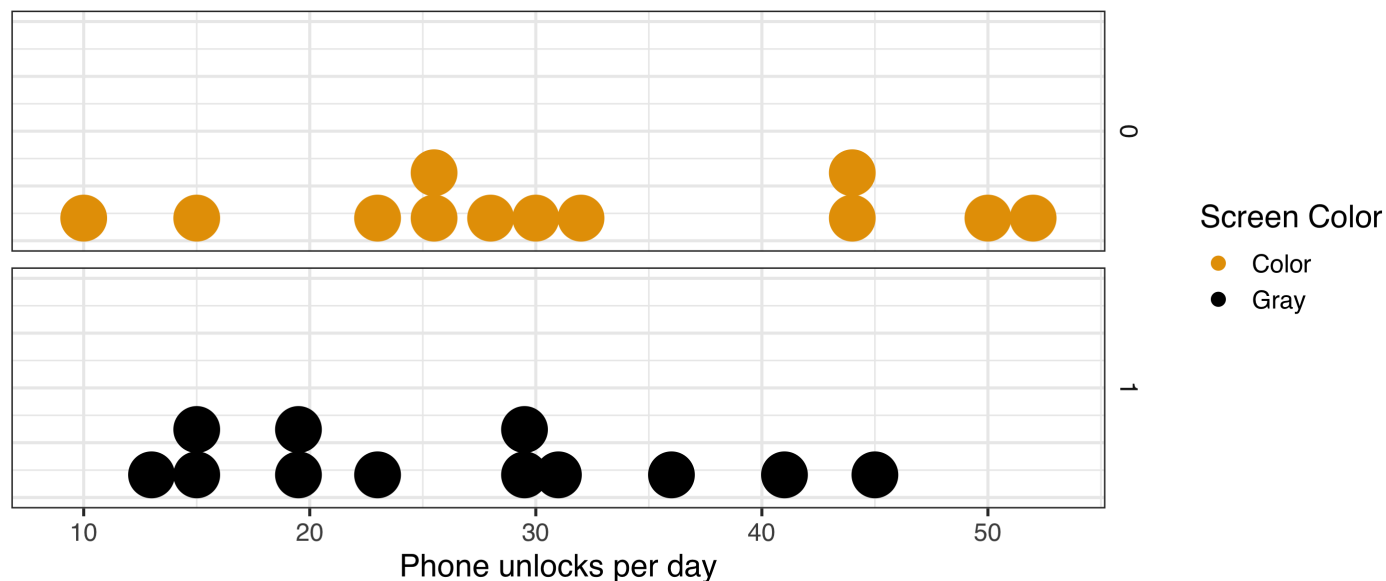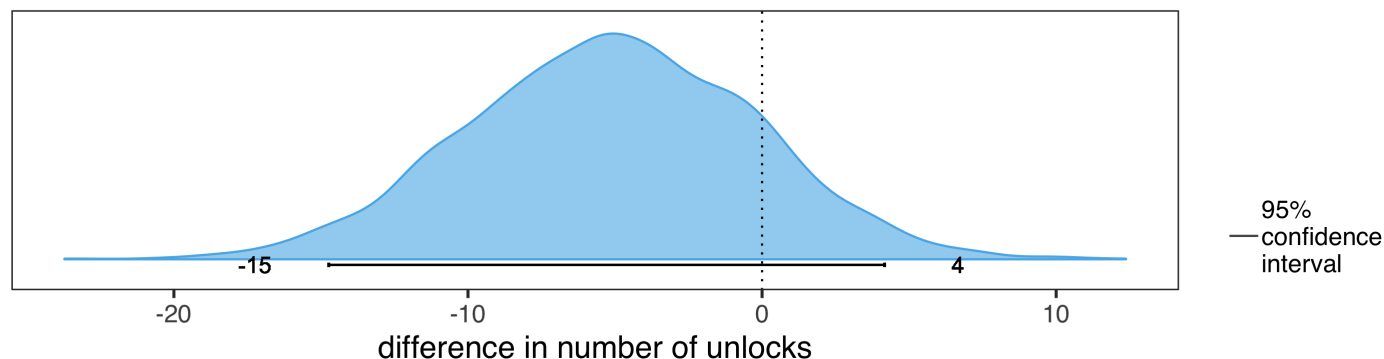# The Effect of a Gray Phone on Unlocks Per Day

This animation shows how many times you unlocked your phone on days with a full-color or a gray screen.

Screen Color
- Color
- Gray

Turning your phone grayscale causes a difference in phone unlocks between -15 and 4 unlocks on average.

95% confidence interval

Results from non-parametric bootstrap (n = 26 days). If you repeated this experiment 5000 times, 95% of those experiments would find an average difference somewhere between -15 and 4 unlocks.
Increase: 4% would find that a gray phone *increased* your phone unlocks by three or more per day.
Decrease: 67% would find that a gray phone *decreased* your phone unlocks by three or more per day.
Analysis by the Gray Phone Challenge (Princeton University and CivilServant.io)