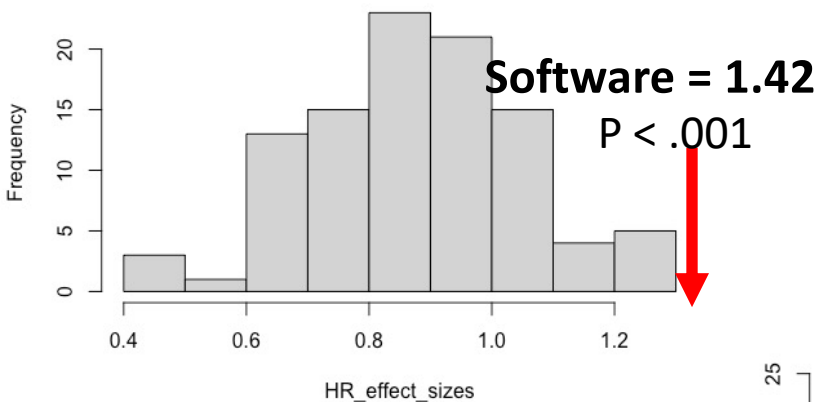


Comparing effect sizes from experiment with stimuli picked randomly and experiment conducted using the software

For the Random batches we looped through 10 randomly selected stimuli per condition, then calculated effect size comparing the condition where they saw it 1 time to the condition where they saw it 3 times (using HR, corrected HR and dprime). This was done 100 times.

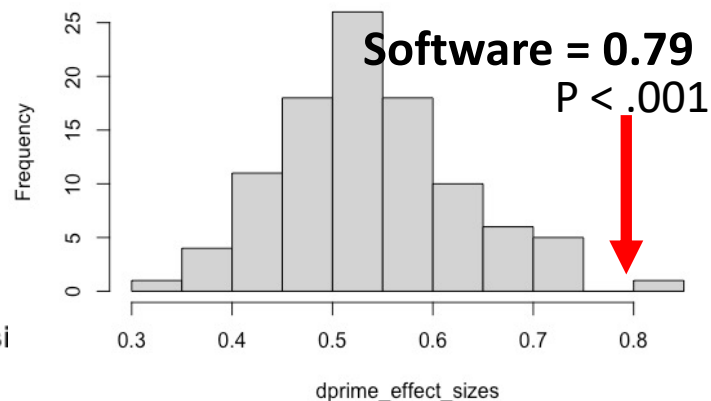
Using Hit Rate

Histogram of HR_effect_sizes



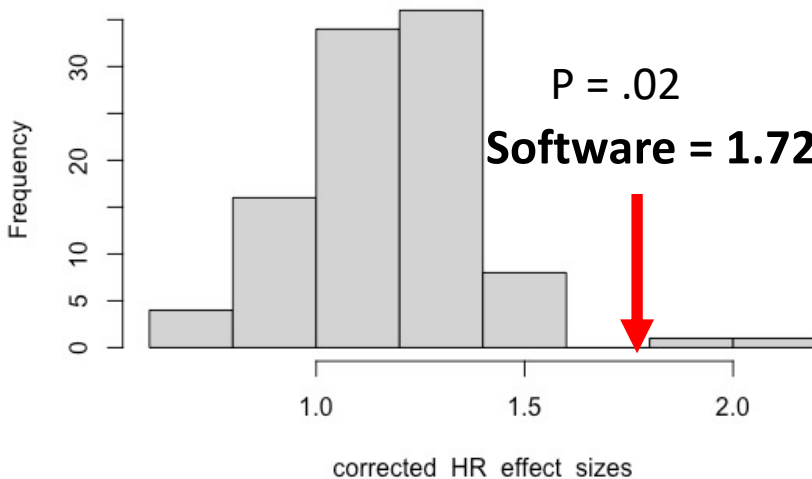
Using Dprime

Histogram of dprime_effect_sizes



Using Corrected HR

Histogram of corrected_HR_effect_si



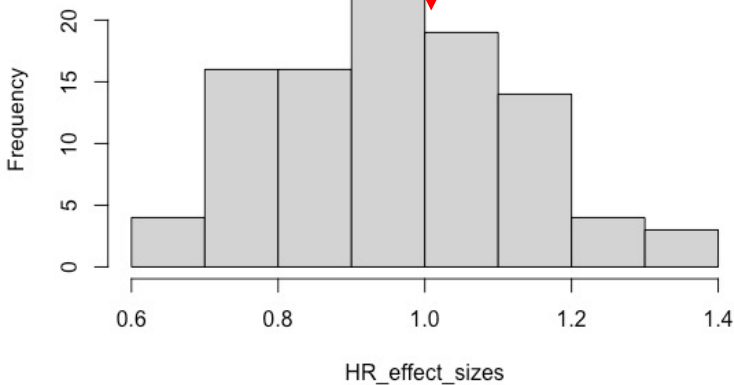
Now 50 stim per condition!

At 10 stim per condition, software completely outperformed random, but at 50 stimuli per condition it is producing effect sizes close to the mean of random

Using Hit Rate

Software = 0.98

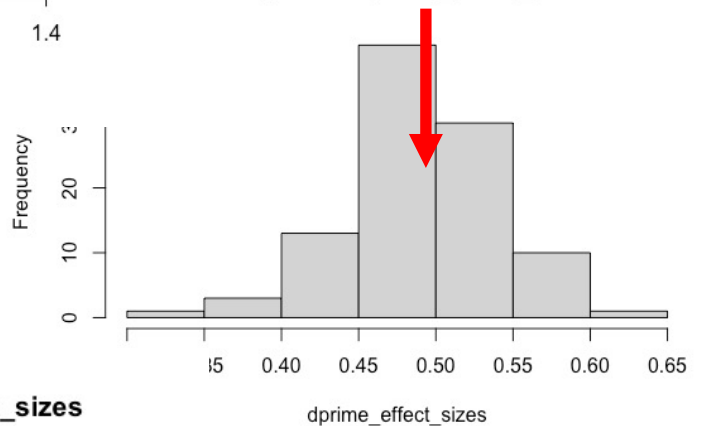
Histogram of HR_effect_sizes



Using Dprime

Software = 0.49

Histogram of dprime_effect_sizes



Using Corrected HR

Histogram of corrected_HR_effect_sizes

Software = 1.51

