Round all magnitude values to the nearest whole number.

Silence: Loudest sample during 5-s calibration from home page

5-s interval value: The loudest sample during that 5 second interval. Speech volume is sampled every 500 ms.

**Experiment II**

BASELINE:

2 minutes

Play a beep and increase point score by 1 every 5 seconds with a .25 probability.

The average (mean) of all of the interval values during this time is the original speech volume.

EXPERIMENT:

Play a beep following each 5 second interval IFthe value of that interval is quieter (by at least 1) than the value of at least 15 of the previous 19 intervals.

The formula I use in Excel is LARGE(interval 1:interval 19, 15)

If the value of the interval is *equal* to the 15th interval (ranked loudest to quietest), play a beep with .25 probability.

If the value of the interval does not tie or fall quieter than at least 15 intervals, nothing happens.

Continue until the value of 3 intervals in a row is EITHER

* .75X the original speech volume OR
* no more than 120 magnitude

EXTINCTION:

Continue until the participant is no more than 5 magnitude louder than silence for 3 consecutive 5-s intervals

**Note:** Stop the experiment at any time if 90 minutes (including pause time) have elapsed.