SIMPLE REACTION TIME TASK – auditory

<parameters>

**/targetspeaker = -10000 (because we gonna use just left speaker)**

/volumeadjust = 0

/maxtrialnumber = 20

/screencolor = white

**/speakerfixed = 0 (I don’t know what 0 means here, maybe I need to put -10000?)**

/volumefixed = 0

</parameters>

<instruct>

/ fontstyle = ("Arial", 3.00%, false, false, false, false, 5, 0)

/ txcolor = black

/ screencolor = white

</instruct>

<page instruct>

In this test you will be presented a sound.

^^

^^Your task is to:

^^**press the SPACEBAR as soon as possible once you hear the sound.**

^^<%expressions.buttoninstruct1%>

^^

^^

^^Start the test when you are ready.

</page>

<page feedback>

Thank you for your participation!

^^

^^Your average response time was: <%trial.SRTT.meanlatency%> ms

^^Your fastest response time was: <%trial.SRTT.minlatency%> ms

^^Your slowest response time was : <%trial.SRTT.maxlatency%> ms

</page>

<expressions>

/buttoninstruct1 = if (computer.touch && !computer.haskeyboard) {"A Spacebar button will be located at the bottom of your screen.";} else {"";}

</expressions>

<list stimulusinterval>

/ items = (2000, 3000, 4000, 5000, 6000, 7000, 8000)

/ replace = true

/ selectionrate = trial

</list>

<list targetchannel>

**/items = (-10000) (just left speaker)**

/replace= true

/ selectionrate = trial

</list>

<list targetvolumeadjust>

/items = (0, -1000, -2000, -3000, -4000, -5000)

/replace = true

/ selectionrate = trial

</list>

<defaults>

**/ voicekeythreshold = 15**

/ minimumversion = "5.0.0.0"

/ fontstyle = ("Arial", 3.5%, false, false, false, false, 5, 1)

/ screencolor = white

/ txbgcolor = black

/ txcolor = white

</defaults>

<data>

/ columns = (build, computer.platform, date, time, subject, group, blockcode, blocknum, trialcode, trialnum

stimulusitem, parameters.targetspeaker, parameters.volumeadjust, parameters.speakerfixed, parameters.volumefixed,

parameters.maxtrialnumber, trial.SRTT.count, values.stiminterval, latency,

trial.SRTT.meanlatency, trial.SRTT.medianlatency, trial.SRTT.minlatency, trial.SRTT.maxlatency, trial.SRTT.sdlatency, trial.SRTT.varlatency,

trial.SRTT.totalmeanlatency, trial.SRTT.totalmedianlatency, trial.SRTT.totalminlatency, trial.SRTT.totalmaxlatency,

trial.SRTT.totalsdlatency, trial.SRTT.totalvarlatency)

/ separatefiles = true

</data>

<summarydata>

/ columns = (script.startdate, script.starttime, script.subjectid, script.groupid, script.elapsedtime, computer.platform, values.completed,

trial.SRTT.totalmeanlatency, trial.SRTT.totalmedianlatency, trial.SRTT.totalminlatency, trial.SRTT.totalmaxlatency,

trial.SRTT.totalsdlatency, trial.SRTT.totalvarlatency)

/ separatefiles = true

</summarydata>

<values>

/completed = 0

/stiminterval = 0

</values>

<sound target>

**/ items = ("AUDIO.wav") (It’s a claxon sound presents on my computer)**

/ pan = parameters.targetspeaker

/ playthrough = false

/ volume = parameters.volumeadjust

</sound>

<text focus>

/ items = ("")

/ position = (50%, 50%)

/ fontstyle = ("Arial", 10%, true, false, false, false, 5, 0)

/ txcolor = white

/ txbgcolor = white

/erase = false

</text>

<trial SRTT>

/ ontrialbegin = [

if (parameters.speakerfixed == 1)

{parameters.targetspeaker = list.targetchannel.nextvalue};

if (parameters.volumefixed == 1)

{parameters.volumeadjust = list.targetvolumeadjust.nextvalue};

values.stiminterval = list.stimulusinterval.nextvalue;

trial.SRTT.insertstimulustime(sound.target, values.stiminterval);

]

/ stimulustimes = [0 = focus]

**/inputdevice = voicekey**

**/ validresponse = (anyresponse)**

/ ontrialend = [trial.SRTT.resetstimulusframes()]

/ branch = [trial.SRTT]

</trial>

<block SRTTblock>

/ onblockbegin = [

text.focus.textcolor = parameters.screencolor;

text.focus.textbgcolor = parameters.screencolor;

block.SRTTblock.screencolor = parameters.screencolor;

]

/ trials = [1 = SRTT]

/ preinstructions = (instruct)

/ postinstructions = (feedback)

/ stop = [trial.SRTT.count == parameters.maxtrialnumber]

</block>

<expt>

/ blocks = [1-2=SRTTblock]

/onexptend = [values.completed = 1]

</expt>