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Introduction 1 visual search is a type of perceptual task requiring attention which involves an active scan for the visual environment for a particular object and feautures, among other objects and feautures, it can takes place with or without eye movements. This special feature is developed to attention, and visual search, attention is center of topic in psychology, and visual search, are both paradigms for the study of visual attention, and topic of study in itself, it depends on perceptual, sensory and also cognitive processes, as a result, the search paradigm has been also used to investigate a diverse range of phenomena, manipulation of search task could use to vary the demands of attention, in turn attention modulates visual search by selecting and also limiting the information.

Method 2 open psychopy and then add a fixation, (cross), size should be (0.1, 0.1)and click ok

Now comes the text property and name it target , and white color, text l is mention which will appear as soon as we click mouse, and duration should be kept blank, in other coumn of text,

Save the file to compile it in python script , now in the script we have to find distr,and copy distr, visual text and paste it in our psychopy begin routine code, code are been given at the end of this report which should be added in the psychopy

Open the text property again and copy and paste position size which was given in the script, and press ok and mouse property should be set at target (stimulie)and time related to routine,

And later copy begin routine to end routine, and here you go with the experiment.

Discussion 4 while variability, is commonly measured , we are interested, in less commonly measured slope variability, which refers to the change in a participants’s Rt over the course of the task, it might be observed that early task Rt’s are faster than later task,

Code

# Replace "greater than" text with greater than symbol if random() greater than 0.5: num\_distr = 10 thisExp.addData('num\_distr', num\_distr) else: num\_distr = 5 thisExp.addData('num\_distr', num\_distr) distractors = [] for i in range(num\_distr): distr = visual.TextStim(win=win, name='distr', text='L', font='Open Sans', pos=(random()-0.5, random()-0.5), height=0.1, wrapWidth=None, ori=randint(0,360), color='white', colorSpace='rgb', opacity=None, languageStyle='LTR', depth=0.0); distractors.append(distr) for distr in distractors: distr.setAutoDraw(True)