**BKI134: take home assignment 1: the “Navon” experiment**

**Name:**

**Student number:**

**Instructions:**

* fill in this template to complete your take-home assignment. If you do not, it will automatically be scored as “failed” / 0 points
* fill in your name and student number in the corresponding slots at the top of this page. If you do not, it will automatically be scored as “failed” / 0 points
* the template provides length restrictions for the different parts (minimum and maximum number of words). If your take-home assignment is outside these length limits, it will automatically be scored as “failed” / 0 points
* your assignment has to contain, within this same file, a screenshot of your own results (see under 5 below). If it does not, or if your screenshot is submitted as a separate file, the assignment will automatically be scored as “failed / 0 points”
* we strongly advise to first run the experiment first on yourself, then to add the screenshot to your assignment, and only then to fill in the other parts of the assignment. This will make your task easier. And note: there is no such thing as “correct” or “incorrect” results.
* if you feel that your “first round” on the experiment was somehow disrupted (for example because you did not fully understand or follow the instructions for the experiment), you can better do a second round and take the screenshot from this second round
* you have to submit your assignment via Brightspace. Your file has to carry the name **sxxxxx Navon** (with sxxxx being your student number). If your submission is submitted under a different file-name, the assignment will automatically be scored as “failed / 0 points”
* your assignment will automatically be checked for overlap with all other assignments that have been submitted. So refrain from copying (parts of) the assignment from fellow students, and/or the screenshot of the results of fellow students. If you do so, your assignment will be declared invalid (and thus gets 0 points)
* The assignment has to be submitted before **November 29th at 23:59**. Any submission after this deadline will be declared invalid (and thus gets 0 points).

**1. briefly describe the relation of the experiment with the larger topic of “object recognition”. Which aspect of object recognition does the experiment aim to test?** (min. 50 words; max. 150 words):

**2. briefly describe the following aspects of the experiment: (a) What are the independent variables? (b) What is / are the dependent variable(s)? (c) What do the participants have to do in the experiment (i.e., the so-called experimental task)?** (min. 50 words; max. 200 words)

**3.** **What are the hypotheses that are tested in the experiment? In which aspects do your own results agree or contradict the hypotheses?** (min. 50 words; max. 200 words)

**4. Give a short critical personal evaluation of the experiment: does the experiment really test what it is aiming at? If yes, why? If not, why not? Did you make any relevant / interesting observations while running the experiment on yourself?** (min. 100 words; max. 250 words)

**5. Add a screenshot of your own data. (Use, for example, the key “prt sc” (print screen) to make a screenshot of the screen with your results, and then use MS Word’s function “screenshot” under “insert”. The precise details of the procedure may differ a bit depending on your computer, keyboard, and Word version.)**

**The data you should make a screenshot of are those in the FIRST data slide that you see as you go through the simulated experiment. On that screen, there are two bar graphs, the one on the left labelled “Time taken to respond” and the one on the right labelled “Number correctly answered”.**

