**Abstract**

**Introduction**

**Methods**

* The full survey (3 cognitive tasks + 4 brief questionnaires) was created using Jspsych (if you’re interested check out the website: <https://www.jspsych.org/>) which is a JavaScript library specifically designed for running psychology experiments. It has many pre-programmed packages and functions to code experiments to run online.
* The code for the experiment is posted on Teams in the summer school materials channel. The file is called index.html. If you just try to open the html document, it won’t work. You need to download the index.html file and open it in a text editor. If you’ve never used a text editor, I highly recommend downloading “visual studio code” and then you can right click on the index file and choose to open it in the text editor. There are countless text editors available – I just really like visual studio code. There are A LOT of lines to this code, but you should be able to scroll through and see where each of the individual tasks and surveys are coded to take a closer look at whatever your interested in.
* Surveys – if you’re hypothesis involves a survey or surveys, it may be a good idea to include an example of 1 item in your methods section so the reader has a concrete example of the survey(s)
  + BFI-S (Big 5 Inventory-Short) with 15 items
  + BSCS (Brief Self-Control Survey) with 13 items
  + BIS-11 (Barratt Impulsivity Scale) with 30 items
  + Mask-Wearing Behaviours and Beliefs – items were taken and modified from this paper: Knotek II, E., Schoenle, R., Dietrich, A., Müller, G., Myrseth, K. O. R., & Weber, M. (2020). Consumers and COVID-19: Survey Results on Mask-Wearing Behaviors and Beliefs. *Economic Commentary*.
* 30 participants in the SciX dataset
* If you are using any of the variables where the data is grouped into either H or L, this is how we divided the groups (we calculated the median of all the participants scores and used that number as the cutoff – this way we would get somewhat of an equal number in the high and low groups)
  + **Big5 Openness**: anyone with a mean score greater than or equal to **3** was put in the High group, all others were Low
  + **Big5 Conscientiousness:** anyone with a mean score greater than or equal to **2.67** was put in the High group, all others were Low
  + **Big5 Extraversion:** anyone with a mean score greater than or equal to **2.1** was put in the High group, all others were Low
  + **Big5 Agreeableness:** anyone with a mean score greater than or equal to **2.34** was put in the High group, all others were Low
  + **Big5 Neuroticism:** anyone with a mean score greater than or equal to **2.34** was put in the High group, all others were Low
  + **Self-Control:** anyone with a mean score greater than or equal to **1.87** was put in the High group, all others were Low
  + **Impulsivity:** anyone with a mean score greater than or equal to **1.12** was put in the High group, all others were Low
  + **CRT:** anyone with a mean score greater than or equal to **0.6** (remember this is 60%) was put in the High group, all others were Low

***Completely optional:*** if you want to analyse your data with more participants, you can follow these steps (if you are looking at the mask survey, this does not apply to you because we just added the mask survey this year)

* On Rstudio cloud, there is a new assignment called “Optional\_Analysis\_Plan\_113\_Participants”
* It will look almost identical to the original Analysis Plan assignment, the only difference is the data file – now we’re reading in a file called “scix\_mturk\_data.csv” so it has data from this year and last year
* You can copy and paste your code from Part 3 in the original analysis plan and place it in the new assignment to rerun your code with more participants
* 113 participants in this dataset
* **Important**: If you use this data for your graphs and analyses you’ll include in your final report you’ll need to explain we’re combining two samples (our SciX community and MTurk) for a total of 113. See the Sample Pre-Registration doc on Teams for more details (Question #4)! Also the cutoffs may be slightly different because we have many more participants so the data is a bit different:
  + **Big5 Openness:** anyone with a mean score greater than or equal to **3.1** was put in the High group, all others were Low
  + **Big5 Conscientiousness:** anyone with a mean score greater than or equal to **3.1** was put in the High group, all others were Low
  + **Big5 Extraversion:** anyone with a mean score greater than or equal to **1.7** was put in the High group, all others were Low
  + **Big5 Agreeableness:** anyone with a mean score greater than or equal to **2.7** was put in the High group, all others were Low
  + **Big5 Neuroticism:** anyone with a mean score greater than or equal to **2.4** was put in the High group, all others were Low
  + **Self-Control:** anyone with a mean score greater than or equal to **2.3** was put in the High group, all others were Low
  + **Impulsivity:** anyone with a mean score greater than or equal to **1** was put in the High group, all others were Low
  + **CRT:** anyone with a mean score greater than or equal to **0.6** (remember this is 60%) was put in the High group, all others were Low

**Results**

**Discussion**