**Stroop Task Logbook – Chiara & Shuo**

**Christmas Break**

**Chiara** :

05/01: changed the itertools, added blocks, made a separate file for functions  
06/01: adjusted all the other suggestions of the last meeting  
07/01 & 08/01: let participants made the experiment

**Shuo**:

03/01: finalizing the data structure for data analysis and change the code for extracting the data needed

06/01 & 07/01: added bulk read code so the files can be read into one data frame, added more histogram for phase one and phase two and other improvement

08/01: added comments and README.pdf file to the project for easy implementation. Ask participants to do the experiment

**Fifth Week**

**Chiara** :

Wednesday 20/12: worked on the code and adjusted the suggestion of last feedback session  
Thursday 21/12: continued working on the code and suggestions

**Shuo** :

Wednesday 20/12: make changes on the way it writes the csv files and other changes.   
Thursday 21/12: work on the data analysis using panda

**Fourth Week**

**Chiara** :

Wednesday 13/12: Meet up with Shuo, worked on the suggestions of last week. Trying to find a proper way to do the “block” thing but have difficulty doing so and “gui” doesn’t work on our computers.

**Shuo**:

13/12: meeting with Chiara to work on the comments of the code to improve the code.

14/12: performing some basic data analysis of the data collected. Not sure how much we should go depth in to the data analysis part. Can do more complicated analysis if needed.

**Third Week**

**Chiara**:

Monday 04/12: Meet up with Shuo and worked together on the code   
Tuesday 05/12: Worked on the suggestions of last week

**Shuo**:

Monday 04/12: we worked together for microphone   
Wednesday 06/12: worked on the microphone as well

**Second Week**

**Chiara**:

Sunday 26/11: making the wordlists + working on the loop of the first trial

Monday 27/11: try to implement the microphone, used the keys instead

Wednesday 29/11: worked on the timer + made the second trial

**Shuo**:

26-11: replaced the intera code of showing the words with a for loop as suggested in last meeting

27-11: tried various different ways of implementing mircrophone and the speech recognition to the Mac OS system, but none of them worked. It seems like the speech recognition needs Pyaudio 0.2.11 but I only have Pyaudio 0.2.07, but I am unable to upgrade it, we have tried different appraoch. Plus, we plan to implement google sppech recognition into our code. https://www.google.com/intl/en/chrome/demos/speech.html

29-11: built a timer and write out the result in csv file for further analysis

**First Week**

**Chiara**:

Thursday 16/11: did some research for our first draft

Tuesday 21/11: tried some coding

Wednesday 22/11: Meet up with Shuo and worked on it together

Thursday 23/11: finished the combinations of colours + trying to implement the microphone

**Shuo**:

16-11: brainstorm on how the project plan

21-11: code the basic structure of the experiment with a few prompt and world.

22-11: meeting with Chiara and we refined the code to make stable words and colours combination.

23-11: trying to implement the microphone into our existing code.

**Stroop Task Project Plan for first meeting**

**1st part:**   
5 colours, no matching between the colours and the words 🡪 20 different items. For example: **Green Red Blue Purple Red Purple**A prompt with instruction “Please try to read the word out loud as fast as possible”  
Integrate microphone in psychopy. (any tips?)  
3  
2  
1  
GO!  
\*the items start to appear + we start to record the time + record the verbal responses\*  
Write code to record the verbal responses.   
Write code to analyse if the participants give the right response.  
Write code that analyses the onset of each verbal response.   
Calculate the reaction time.

**2nd part:**5 colours, no matching between the colours and the word 🡪 20 different items. For example: **Green Red Blue Purple Red Purple**A prompt with instruction “Please try to read the colours out loud as fast as possible”  
Integrate microphone in psychopy. (any tips?)  
3  
2  
1  
GO!  
\*the items start to appear+ we start to record the time + record the verbal responses \*  
Write code to record the verbal responses.   
Write code to analyse if the participants give the right response.  
Write code that analyses the onset of the verbal responses.   
Calculate the reaction time.

* Calculate if there’s any difference in reaction time between the two parts (use of ANOVA?)