

Experiment Protocol

1. Introduction - inform the user about the idea behind the thesis in general, and express gratitude for the contributions that they will be making by participating in the experiment.
2. Inform the user that for the purposes of this experiment they will be watching 12 different videos, where each video lasts 1 minute.
3. The videos are divided into the following groups:
 - a. 3 videos have low SI and low TI,
 - b. 3 videos have low SI and high TI,
 - c. 3 videos have high SI and low TI,
 - d. 3 videos have high SI and high TI.
4. The videos will be watched while the user performs 3 different activities:
 - a. 4 videos will be watched while the user is sitting,
 - b. 4 videos will be watched while the user is walking,
 - c. 4 videos will be watched while the user is running.
5. Show the user how to change the video resolution and emphasise that they should change the video resolution only if they are not satisfied with the current video resolution.
6. Tell the user that the videos should be watched in landscape mode, i.e. they should hold the phone in a horizontal position.
7. Changing the volume won't have any effect on the experiment, therefore the user can set the volume to any value they want.
8. The screen brightness should be set to approximately 80% during the experiment.
9. For every user we collect the following data:
 - a. Age,
 - b. Gender,
 - c. Use of vision aids(glasses/contact lenses),
 - d. The phone they will be using during the experiment.

10. The users will be performing the activities in a cyclic order so that every consecutive user performs the activities in a different order when compared to the previous user.
 - a. User 1: sitting, walking, running.
 - b. User 2: running, sitting, walking, etc.
11. The same cyclic order will be applied to the types of videos that the users will be watching while performing a particular activity.
 - a. User 1 sitting: video 1(low SI - low TI), video 2(low SI - high TI), video 3(high SI - low TI), video 4(high SI - high TI).
 - b. User 2 sitting: video 1(high SI - high TI). video 2(low SI - low TI), video 3(low SI - high TI), video 4(high SI - low TI), etc.
12. Given the current situation with COVID-19 the walking and running activities will be performed semi-outdoors, at the Parkhaus P12 Bahnhof Nord in Rosenheim, Germany (<https://goo.gl/maps/4mcYyscTp1bYh6R6A>) so that we can ensure that effects from the environment are not impacting the video perception.
13. Activity: sitting
 - a. Location: Garage at home
 - b. Tell the user which video to watch
 - c. Write to log file when the user decides to change resolution
14. Activity: walking
 - a. Location: Parkhaus P12 Bahnhof Nord Rosenheim, Germany
 - b. Tell the user which video to watch
 - c. Write to log file when the user decides to change resolution
15. Activity: running
 - a. Location: Parkhaus P12 Bahnhof Nord Rosenheim, Germany
 - b. Tell the user which video to watch
 - c. Write to log file when the user decides to change resolution

Video list:

1. Harry Potter and the Goblet of Fire - Lord Voldemort returns part 1 (HD)
<https://www.youtube.com/watch?v=qS368iXcUvk>
2. Madagascar in 1 Minute
<https://www.youtube.com/watch?v=bQcLmdLSlcA>
3. Introverts vs Extroverts
<https://www.youtube.com/watch?v=sfjN15zsPyQ>

4. MAN 2020
<https://www.youtube.com/watch?v=DaFRheiGED0>
5. The Batman - DC FanDome Teaser
https://www.youtube.com/watch?v=NLOp_6uPccQ
6. The Bee Movie at 3000% speed except when they say "bee"
<https://www.youtube.com/watch?v=7apltfVJBwU>
7. How to make Professional Intros for YouTube - EASY METHOD
<https://www.youtube.com/watch?v=Folf3yBMUbQ>
8. Luka Doncic Shocks Mavs Crowd After Taking Over In Final Minutes!
Mavericks vs Pistons
<https://www.youtube.com/watch?v=hLfflw9hE-k>
9. Charlie Chaplin - Final Speech from The Great Dictator
<https://www.youtube.com/watch?v=J7GY1Xg6X20>
10. UCLA Gymnastics 2019 Intro Video
<https://www.youtube.com/watch?v=xB4coS5-vDQ>
11. Why Are You Single?
https://www.youtube.com/watch?v=WuDy1XOU6_E
12. EVERYBODY DO THE FLOP (asdfmovie song)
<https://www.youtube.com/watch?v=L5inD4XWz4U>