**Two-step task**

Instructions

I am going to explain to you the rules of the game, so that you can collect as much money as possible

<Click>

There are four rooms in this game. Every room is marked by a different image, so that you will know in what room you are. You will have lots of trials, and in each trial, you will decide what room you want to go to. In each trial, only one of these rooms is rewarding, meaning that if you go to that room, you will collect a point. If you go to the other rooms, you will gain no point in that particular trial. You have a fixed number of trials in the game, and you should try to find and go to the rewarding rooms as much as you can. The total amount of money you are going to receive at the end of the experiment is proportional to how many points you collected during the game. Your compensation will be between 5 and 20 pounds, depending on your performance.

<Click>

For example, let’s say that in a particular trial, the money is in this room. If the money is there, then it will stay there for a few trials, and then it will randomly hop to another room. Obviously you should find its new place, and try to harvest it. Then again, after a few trials, it will hop randomly.

<Click>

Here is how you can go to different rooms. At the beginning of every trial, you see these two images and you can choose between them. In each trial, the position of these images might be like this, or they may be switched left-right, but it’s about the images itself, not where they are on the screen.

<Click>

You can choose between the images by pressing the left or right shift keys on the keyboard. When you see the images, you have only two seconds to make your choice; otherwise, you lose that trial. As I said, you have a fixed number of trials. So if you don’t react fast enough, you will have one of your opportunities for searching a room and potentially collecting a point.

<Click>

After you make your choice, you will go to either this, or this room, depending on your choice. The thickness of these arrows shows the chance of going to the rooms as a result of your action. For example, if you choose the triangle, most of the time you will go to this room and will see these two images. But sometimes, you may go to this other room and see these two images. Similarly, if you choose this image, most of the time you will go to this room, but some times you may go to this other room.

What I’m showing you right now is not how the real game looks like. I mean you will not see this diagram and the arrows during the game. I am just using it to explain the rules of the game to you.

<Click>

Ok, let’s say that in a particular trial, you choose the triangle and you go to this room. Therefore, you will see these two images on the screen. Again, in each trial, the position of these images might be like this, or they may be switched left-right, but it’s about the images itself, not where they are on the screen.

<Click>

And again you have 2 seconds to choose between these images, by pressing the left or right shift keys on the keyboard.

<Click>

Again, as a result of your choice, you will go to one of these final rooms.

<Click>

For example, if you choose the green image, most of the time you will go to this room, but only some times you will go to this other room. Let’s say you go to this room. At first, you will only see the image that indicates the room.

<Click>

You have to wait for 1 second,

<Click>

and then a rectangle appears around the image, like this. After that,

<Click>

you have two second to press the space key. When you do that, you will know whether or not the reward was in that room in that trial. Then the next trial starts from the initial room in a few second.

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<Click>

This phase of the game that I showed you, you will play it only for practicing and getting the idea of how the game works. The money you collect in this phase is not part of your final compensation.

<Click>

This practice phase is composed of three parts. In the first part, you will have 15 trials during which, you only experience the first two levels of room, so that you will learn how to go to your desired room in the second level.

<Click>

Then you will have another 15 trials, where you can go all the way to the third-level rooms, but still you won’t see the monetary rewards. This phase is also only for learning how to move to different rooms.

<Click>

Finally, you will have 30 trials where the monetary gains or losses will also happen, so you can try to find where the money is, and try to collect as much as you can.

<Click>

As I said, all these stages of the first session are only for getting an idea of how the game works. After that, the real game starts. Now let’s play the practice sessions and afterward, I will explain how the real game works.

Ok. I enter your ID here. When I click “start”, you can start. You can put your fingers on the left and right shift-keys to be prepared.

<Run the code…>

Ok. Was everything clear? Do you have any questions?

<Back to the slides>

Ok. Now you are going to play a new session. In this session, all the rules are exactly as during the practice session. The only difference is that all these images will change, and you will see a new set of images.

<Click>

When you play the game, you will see and discover those shapes by yourself. So when you start, you don’t know which image leads to which most of the time; but you gradually learn by trying them several times. Once you’ve learned which one leads to which, it will stay the same for the whole experiment, as during the practice session. So once you know, it doesn’t change. The only thing that changes during the experiment is where the money is; like the practice session. As I told you, it hops from one room to another, after every few trials.

<Click>

In this session, again, you will first have 15 trials to only experience the first two levels of rooms.

<Click>

Then you will have 30 trials to experience all the three levels of rooms, but still there is no monetary gain or loss.

<Click>

and then, finally, you will have 250 trials, where you will play the real game. It is during these 250 trails that you can collect the money, and everything before that was only to prepare you for this phase. Your final compensation depends on how many points you collect during this final phase.

During this phase, you will be given some breaks after every 50 trials. The breaks will be as long as you want.

Ok, if you are ready, we can start.

<Back to the running code>