

General Overview

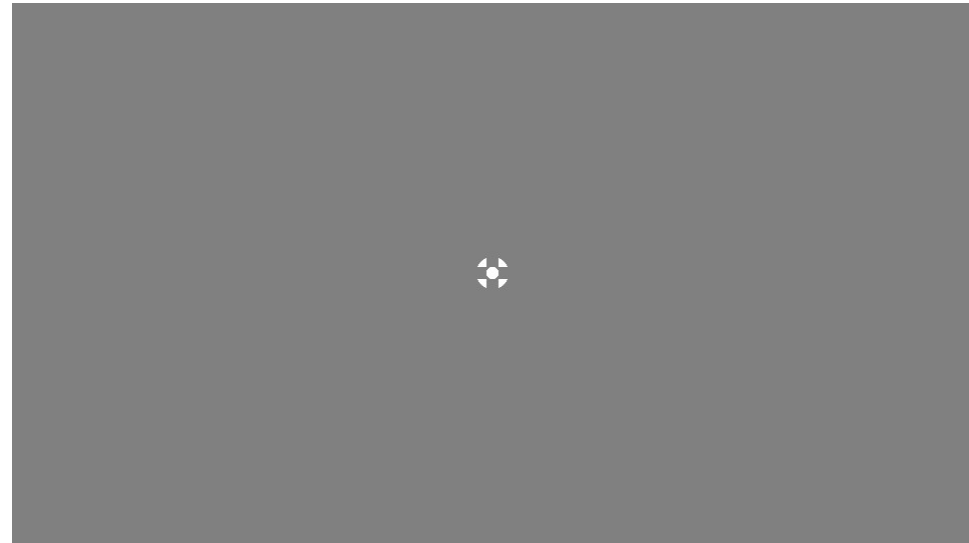
- Welcome to the experiment!
- You will perform two simple tasks:
 - An “active task”
 - And a “passive task”
- We first describe the active task, and then the passive task
- Then you are allowed to do some practice trials
- Finally, you will start the experiment with either the active or the passive task and then finish the experiment by doing the respective other task

Overview: Active Task

- You will repeatedly choose between two urns
- The urns contain balls that have a number of points written on them
- In each trial, you can first sample 12 times from the urns and see the drawn balls, which are then being returned to their urn
- After drawing 12 samples, you have to make a final choice between the urns
- You then draw a ball from the chosen urn and receive the points associated with it
- At the end of the task, the overall amount of points you have accumulated will be converted to Euros by a fixed conversion rate of 0.1

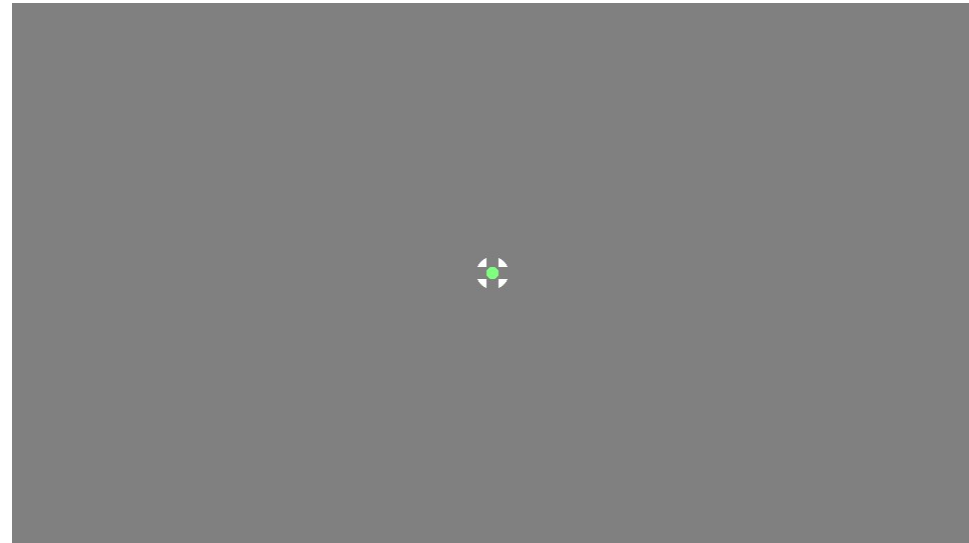
What does the screen look like

- A central fixation stimulus marks where you should fixate your gaze
- The urns are invisible to the left and right of the fixation stimulus



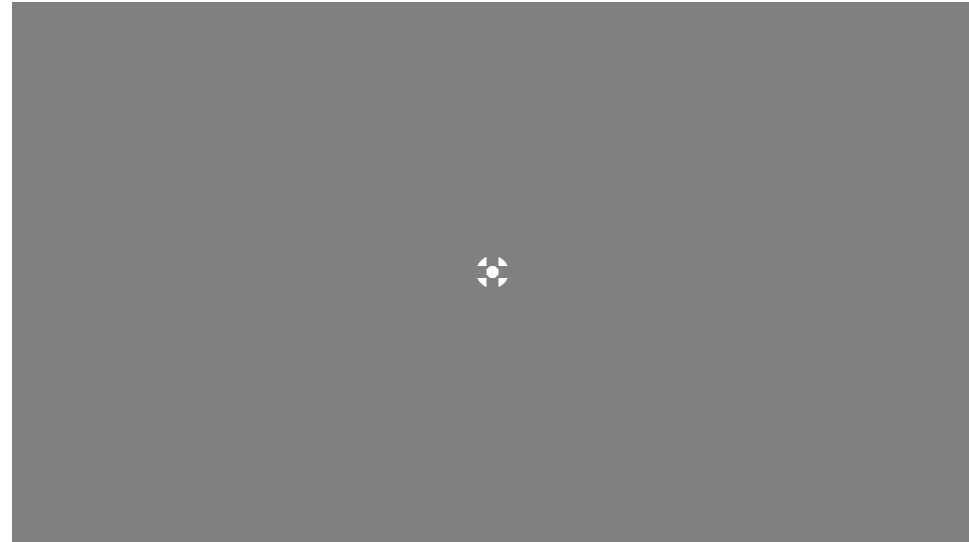
The fixation stimulus color: Green

- Each trial starts with a green fixation stimulus
- This tells you “there are new urns to be considered”

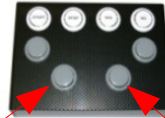


The fixation stimulus color: White

- A white fixation stimulus asks you to choose either the left or the right urn by pressing the left or the right button respectively



Which buttons to use?

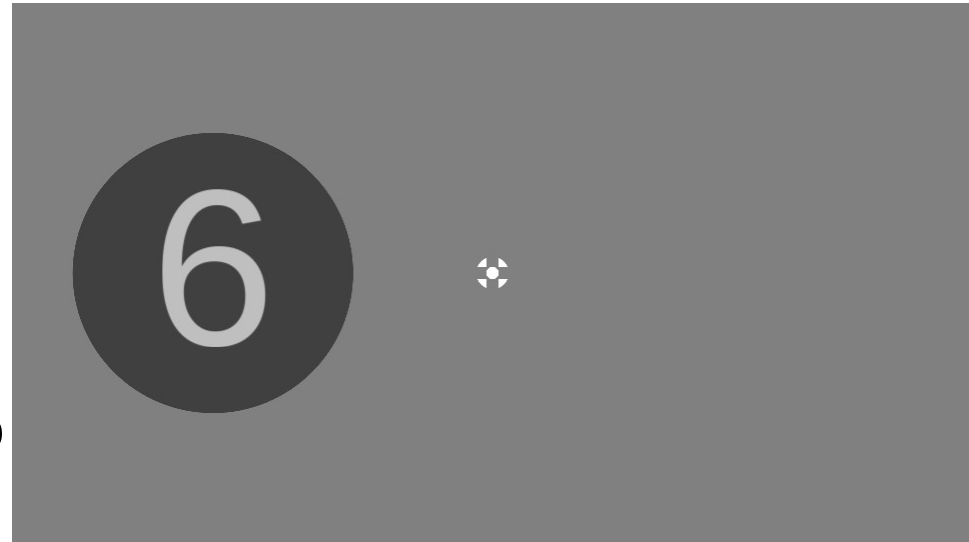


Button for
selection the left
urn

Button for
selection the right
urn

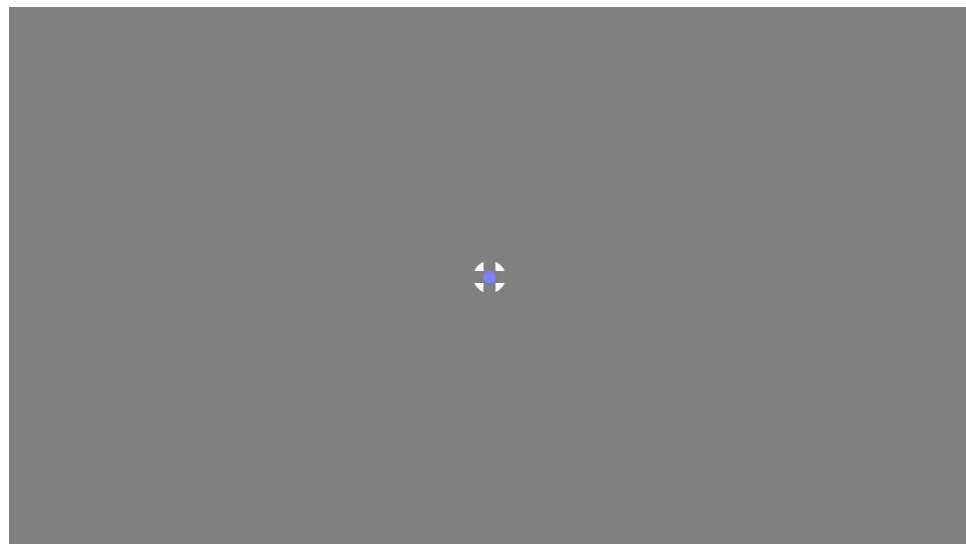
Drawing from the urns

- After you pressed the left or the right button, a ball is drawn from the urn and shown to you
- You can repeat exploring the urns like this for 12 samples
- This helps you to get an idea, which of the urns yields more points on average
- Note, that the balls are being returned to their respective urn and you do not keep the points associated with them



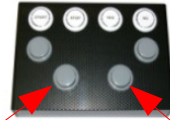
The fixation stimulus color: Blue

- After you have made 12 draws, a final choice is initiated
- You can see that, because the fixation stimulus turns blue
- This means that the next action will be the final choice of this trial
- After a final choice, you keep the points associated with the ball that was drawn



Making a final choice

- After seeing the blue fixation cross, you can use the normal left and right keys for making the final choice



Button for
selection the left
urn

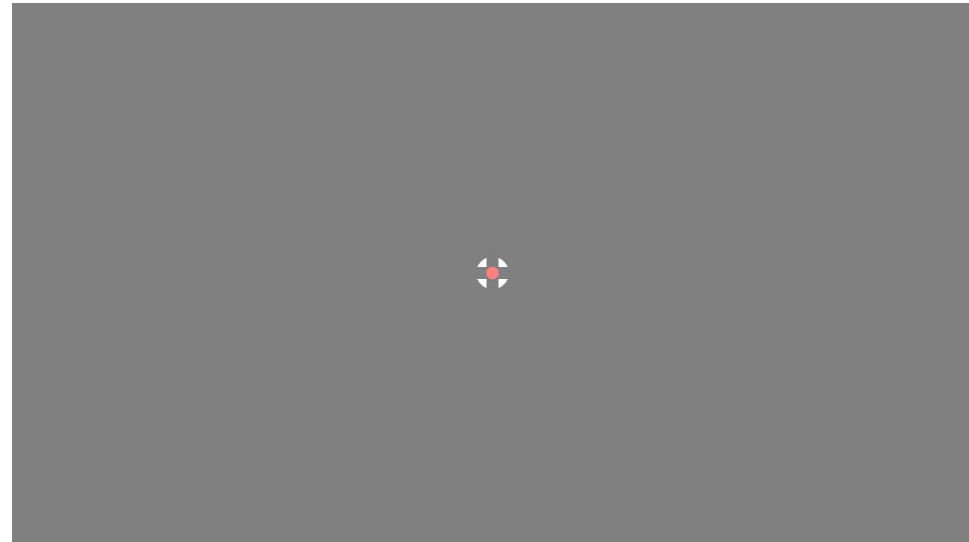
Button for
selection the right
urn

Goal of the task

- A final choice will let you keep the points associated with the drawn ball
- At the end of the task, we will convert the your accumulated points to Euros through a fixed rate of 0.1
- Then we pay the Euros to you as a bonus
- Overall, there will be 100 trials, each ending with a final choice
- Every 20 trials, you get some feedback about how many points you have accumulated so far

The fixation stimulus color: Red

- If the fixation stimulus is red, you made an error. This happens if:
 - You wait for too long before making an action
 - If you do not fixate your gaze on the fixation stimulus
- After an error (red fixation stimulus), a new trial is started and the old one is discarded



Remember the meaning of the colors

- Green = New trial, there are new urns provided
- White = Make an action (left or right) now or simply fixate while waiting for feedback
- Blue = Next action will be a final choice
- Red = Error, you performed a forbidden behavior

Overview: Passive Task

- Next to the “active task”, as described above, there will be one more “passive task”
- The passive task is just as the active task with the exception, that you do not select the left or right urn yourself anymore
- Instead, you observe how the computer draws from the left or right urn
- However, when the fixation stimulus turns blue to mark a final choice, you have to become active again
- Even in the passive task, the final choices have to be made by yourself

Any questions?

- You are allowed to do two practice trials of the “active task”
- You will then start the experiment with either the active or the passive task
- Then you will finish the experiment by doing the other version of the task