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Date: 26 November 2019

Projet IBC: Spatial Navigation Protocol

For this experience, you will be asked to navigate a virtual environment and learn the position of two key buildings: the Town Hall (right) and the Church (left).



To do this, you will first do a short training session where you can move freely using the arrow keys. The objective is to collect 8 red balls spread across the city. Then, you will do experimental trials to familiarize yourself with the task: you will be placed in an intersection, a fog will limit your vision, and you will have to indicate in which direction the requested building is located. A small photo of the target building is displayed at the bottom of the screen. There will also be control trials where you will have to point your finger at the blue painted building.



To point to the building, use the left and right arrow keys and confirm with the spacebar. You will do the same task on the scanner, and you will use the index (left) and middle (right) buttons to point, and the thumb to confirm. Additionally, all blocks except the first will start with a guided tour through the environment, so you can again pay attention to the position of buildings.

The session is made up of eight sequences which will last approximately 8 minutes each (5 for the first). For any questions you might have about the procedure, you can ask the experimenters.