

**1. What is meant by “previous attempts”, “early termination” and “radial technique” ?**

Previous attempts indicate the number of the try for the level. *previous attempts=1* means it's the first attempt.

Early termination = 1 means the participant didn't complete the level.

Radial technique: To assess the degree to which landmarks were used, players were presented with a multiple-choice question after each SHQ Virtual Radial Maze level that asked players what they did to remember which radial arms they needed to visit and which ones they needed to avoid: “How did you navigate?” (1) Counted from the start; (2) Used multiple landmarks; (3) Counted from a landmark. A player was identified as using landmarks or not using landmarks when solving the maze based on their answer to a question after the first experimental level was complete (SHQ Virtual Radial Maze - level 2, which was done after the practice trial in level 1). If a player answered that they used a landmark to navigate, they were categorized as using a landmark-based strategy (i.e., answers 2 or 3). In contrast, if the player indicated that they counted the radial arms from the start and did not use any landmarks (i.e., answer 1), they were categorized as spontaneously using a counting strategy. An option to skip this question was also provided, if this was chosen their strategy was classified as “none reported” and were not included in analysis.

**2. What does the numerical value of the parameter “events” indicate?**

Events can be discarded

**3. What do each of the parameters “radial”, “visible”, “id”, “type”, and “time” show?**

Discard

**4. In the coordinates for each player what do “x” and “y” and “r” indicate? It is seen in the data that the event number changes without x, y and r changing, or with r changing but x and y remaining constant. what does this mean? (Yellow highlights).**

x and y are the trajectory coordinates sampled at 2Hz. r indicates the direction faced by the boat. It parses the full circle in 16 bins, so r=0 means between 0 and 22.5°, r = 1 means between 22.5° and 45° and so on.

**5. In the data description file it is stated that recordings are done every 2 seconds. Is this the time interval between every two subsequent events or is this the time interval between subsequent agent coordinates “x”, “y” and “r”?**

The second.

6. Why is the event count in the top data segment different from the corresponding coordinates count? How can one establish the correspondence between each event and a certain time and coordinates?

Discard the events.

7. What does it mean to convert data from landmark to radial (Orange highlights) and why does the "time" number change (and drop) in converting data from landmark to radial?

Discard the events.

8. Why can the event number change without a change in time?

Discard the events.

9. Can we find out the corresponding map and Game stage for each data part?

Maps of the levels previously sent.

10. How can I obtain the personal individual information for the subject of each data? in fact I searched for personal details in the relevant file, but it did not include the specific code number for the chosen subject!

The uuid is specified in the json file, or in the folder containing the files, depending on the used SHQ version.

11. And finally since the players shall send a few seconds looking at the map for learning, is this viewing time recorded?

Yes

#### One sample data:

```
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