

# Application for Organizing Students to Participate in Indoor POI Elements Cognitive Test

**Dear Smart City College of Chongqing Jiaotong University:**

Due to the needs of scientific research, it is necessary to recruit third-year undergraduate students to participate in the "Indoor POI Elements Cognitive Test". This experimental study is based on spatial cognition theory and user behavior theory, using psychological behavior test method, the attribute information of elements (spatial location, appearance characteristics, popularity, etc.) and the location of indoor passages were used as independent variables, and the number of people who remembered the elements after the final test was used as the dependent variable, and the experimental design of control variables was carried out to explore the user's navigation and cognitive saliency of indoor space elements without specific needs. The specific process is shown in Figure 1.

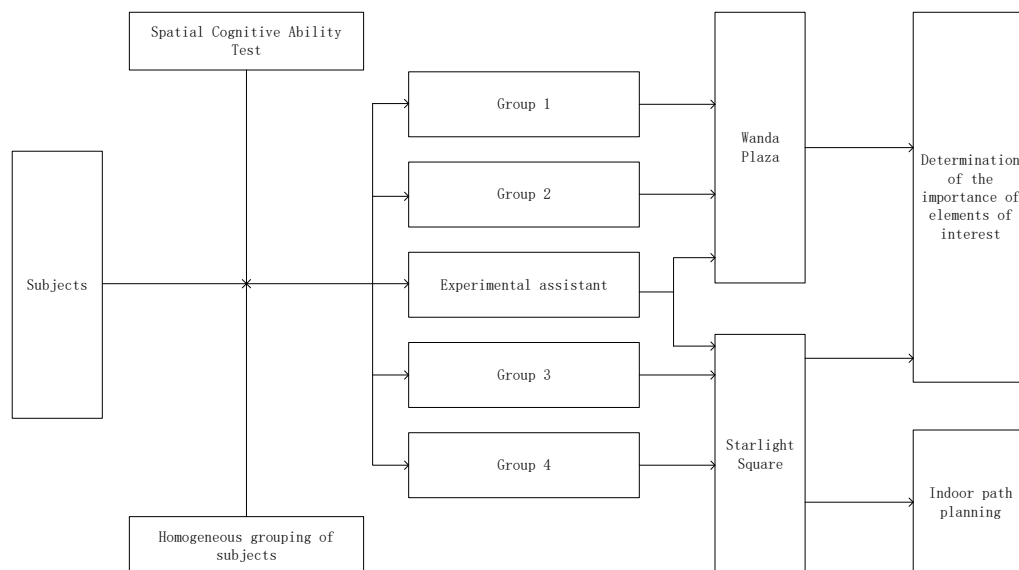


Figure 1 Test flow

This research group solemnly promises:

1. Strictly abide by relevant laws and regulations, the personal data involved in the experiment is strictly confidential, only used for homogeneous grouping, and will not be disclosed to third parties;
2. Ensure that the participants clearly understand the relevant information and test process of this research, and voluntarily decide whether to participate in the test; whether or not to participate will not cause adverse effects on students' course performance;
3. Ensure the traffic safety of the participants to and from the test site and their personal safety in the shopping mall.

Hereby apply, please approve!

Informed consent for cognitive testing is attached.

Indoor Map Research Group    Instructor: Huarong Li    Student: Chenyu Ye、Tiantong Li

Smart City Academy

Time:            month            day            year