

Instruction for Touch-screen Interface Experiment

Overall Project

This experiment is a part of the touch-screen interface research, which is intended to learn about user preferences for touch-screen interfaces.

Purpose of Experiment

The purpose of this experiment is to compare two methods of hierarchical tree menu navigation on a touch-screen device in terms of performance, learning rate, and preference.

Procedure

In this experiment, you will be asked to navigate through a hierarchical menu on the iPad to find a target item. The menu will be based on the configuration of simple interface that includes audio, visual, and general setup selections.

The researcher will tell you which item to select on each trial. After hearing the target item, you will repeat the name one time and start to navigation the menu. You can ask experimenter to repeat the target name at any time again.

The iPad visual interface will be off and the audio interface will be on. As you move through the items, speech description will accompany each of them. You don't have to listen to the complete name before moving to the next item, but we would like you to move as quickly as possible through the list without sacrificing accuracy.

Depending on the condition, the way you move through the menu will be different. There are two conditions. The researcher will instruct you on how to navigate the menu in the beginning of each condition.

You will be go through 2 blocks of 10 trials each, for a total of 20 trials in one condition. You will have two conditions.

Finally, after completing the two conditions, you will fill out a short questionnaire, to indicate your perception and preferences and to provide demographic information and comments about the study. Experimenter will read the questions to you and then record your answers.

If you have any questions about the task you are being asked to perform, please ask the experimenter now.

Now, let's get started. Condition One!