

## **Debriefing: Touch-screen Interface Experiment**

### **Thanks and Introduction**

First of all, thank you for your participation in this experiment. I am a member of College of Interactive Computing from Georgia Tech.

### **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.

### **Revelation of Experiment Condition**

You will experience 2 conditions: Navigating on touch-screen interface that will have speech description of items and gesture-based interaction but no tactile feedback; navigation on touch-screen interface that will have speech description of items and direct-manipulation interaction with tactile feedback. Each condition will be tested under three blocks of trials. Each block will have 10 trials. In total, that will be 30 searching tasks for entire experiment.

### **Meaning of Expected Results**

If the mean time to target item is shorter in one condition than in the other condition, we infer that the former has higher performance than the latter. The tendency of mean time changes among blocks tells us how much learning has happened during those blocks. Also, if users prefer one condition to others, its applicable potentiality grows higher.

### **Confidentiality and Anonymity**

The results of your experiment will be used for only psychological study and never used for any other purposes. The data that is collected from you will be kept private to the extent allowed by law. To protect your privacy, your records will be kept under a code number rather than by name. Your records will be kept in locked files and only study staff will be allowed to look at them. Your name and any other fact that might point to you will not appear when results of this study are presented or published. To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB will review study records. Again, your privacy will be protected to the extent allowed by law.

### **Conclusion**

All of the experiment procedures are finished. We appreciate very much your efforts again.

### **Contact Information**

For further information of this research, contact:

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