

Experiment plan

Worksheet

Activity:

Experiments help you compare different design alternatives, such as interaction techniques. Design a simple experiment to compare three different ways to interact with a particular function within your system. Choose the tasks the user will

perform and decide what to measure. Note that, unlike the other exercises in this class, we will not actually implement the experiment. However, this will help you understand what a basic controlled experiment should look like.

| Experiment plan | | | | | |
|--|--|----------|--|------|--|
| Group: | | Project: | | Date | |
| Choose three interaction techniques to compare | | | | | |
| 1 | | 2 | | 3 | |
| Describe the advantages and disadvantages of each technique | | | | | |
| 1 | | 2 | | 3 | |
| Choose the independent variables (what will you compare?) | | | | | |
| | | | | | |
| Choose the dependent variables (what will you measure?) | | | | | |
| | | | | | |
| State the null hypothesis (formal description) | | | | | |
| | | | | | |
| Describe your predictions (informal: what do you think will happen?) | | | | | |
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