

Unit 9 - Usable Security and Visual Design

Course outline

How to access the portal

Welcome to HCI class

Contextual Inquiry and Affinity Diagrams

IRB documents

Understanding user needs

Design and Prototyping

Design Patterns and Material Design

Usable security

Usable Security and Visual Design

Usable Security - 2

Visual Design

Week 8 - Feedback

Quiz : Assignment 8

Visual Design

Project Demos

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Assignment 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-10-23, 23:59 IST.

1) Given a scenario where you have a very small user base, which evaluation strategy would you select:

1 point

- Between groups
- Within groups, fixed order tasks
- Within groups, randomized tasks
- Within groups, a combination of fixed and random tasks

No, the answer is incorrect.
Score: 0

Accepted Answers:
Within groups, randomized tasks

2) "We want to compare two car-rental sites A and B by looking at how participants book cars on each site." A Between-group study would follow as:

1 point

- Each participant could test a single car-rental site and book a car only on that site.
- Each participant could test both car-rental sites and book a car on each.
- Both a and b
- None of the above.

No, the answer is incorrect.
Score: 0

Accepted Answers:
Each participant could test a single car-rental site and book a car only on that site.

3) The Independent Variable is the one which is directly manipulated by the researcher

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

4) Select the True statements about Control Group in user experiment.

1 point

- In a single-blind study, the researcher will know whether a particular subject is in the control group, but the subject will not know.
- In a single-blind study, the subject will know whether a particular subject is in the control group, but the researcher will not know.
- Both a and b
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
In a single-blind study, the researcher will know whether a particular subject is in the control group, but the subject will not know.

5) What was the idea behind changing the Phishguru cartoon character during the intervention iterations built for Phishguru?

1 point

- The previous character was found to be stereotypical during user studies
- The users did not feel connected to the previous character during the user study
- The researchers conducting the study wanted the character to be gender neutral
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
The previous character was found to be stereotypical during user studies
The researchers conducting the study wanted the character to be gender neutral

6) Within-group designs require fewer participants and are cheaper to run.

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

7) Which of the following inferences were received from the Phishguru lab studies?

1 point

- Security notices are an equally good medium to educate users as embedded training
- Embedded training was more effective at teaching users to make better decisions than those sent security notices
- Phishguru was effective in teaching users, but they could not retain the knowledge for more than 3-4 days
- Users trained with non-embedded did better than users trained with embedded training

No, the answer is incorrect.
Score: 0

Accepted Answers:
Embedded training was more effective at teaching users to make better decisions than those sent security notices

8) Phishguru evaluation study employed which of the following?

1 point

- Between-group design
- Within-group design
- False-positive error analysis
- None of the Above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Between-group design
False-positive error analysis

9) Consider the following statement and mark true or false:

1 point

"The least important aspects of HCI is scientifically evaluating the design."

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

10) "What you see first influences what you see next."
Which of the following phenomenon does the above statement correspond to?

1 point

- False-positive error analysis
- Learning effect
- Embedded training
- Between-group design study

No, the answer is incorrect.
Score: 0

Accepted Answers:
Learning effect

11) Which of the following was inferred from the Phishguru user study?

1 point

- Training the users had little effect on the users clicking phishing URLs in emails
- Trained participants were less likely to fall for phishing URLs in emails
- The participants trained with two training messages consistently performed better on ALL days than the ones trained with a single training message
- Trained participants remembered what they learnt 28 days back

No, the answer is incorrect.
Score: 0

Accepted Answers:
Trained participants were less likely to fall for phishing URLs in emails
Trained participants remembered what they learnt 28 days back

12) What is the main purpose of Control Group in user experiment?

1 point

- Deal with extra people
- Establish a baseline
- Evaluate the default behavior of people
- Distract people

No, the answer is incorrect.
Score: 0

Accepted Answers:
Establish a baseline
Evaluate the default behavior of people

13) What signifies the effectiveness of training the user during the Phishguru experiment?

1 point

- In the control group, the percentage of people who clicked on the phishing link in the email on Day 0 was much less than the people who clicked on the phishing link towards the end of the study
- In the trained group, the percentage of people who clicked on the phishing link in the email on Day 0 was much more than the people who clicked on the phishing link towards the end of the study
- In the control group, the percentage of people who clicked on the phishing link in the email on Day 0 was much more than the people who clicked on the phishing link towards the end of the study
- In the trained group, the percentage of people who clicked on the phishing link in the email on Day 0 was much less than the people who clicked on the phishing link towards the end of the study

No, the answer is incorrect.
Score: 0

Accepted Answers:
In the trained group, the percentage of people who clicked on the phishing link in the email on Day 0 was much more than the people who clicked on the phishing link towards the end of the study

14) Which of the following statements is true?

1 point

- Two-train participants are equally likely than one-train participants to click on a phishing URL on days 16 and 21
- Two-train participants are less likely than one-train participants to click on a phishing URL on days 16 and 21
- Both one-train and two-train participants are less likely than the control group users to fall for a phishing URL
- Training the users does not have a significant effect on users providing information after clicking on a phishing URL

No, the answer is incorrect.
Score: 0

Accepted Answers:
Two-train participants are less likely than one-train participants to click on a phishing URL on days 16 and 21
Both one-train and two-train participants are less likely than the control group users to fall for a phishing URL

15) Which of the following statements is not true?

1 point

- Phishguru training did not affect the way people clicked on legitimate URLs in the emails
- Phishguru training did affect the way people clicked on legitimate URLs in the emails
- The False positive rate of identifying legitimate URLs as phishing URLs actually increased as a result of a side-effect of the Phishguru training
- The False positive rate of identifying legitimate URLs as phishing URLs wasn't affected

No, the answer is incorrect.
Score: 0

Accepted Answers:
Phishguru training did affect the way people clicked on legitimate URLs in the emails
The False positive rate of identifying legitimate URLs as phishing URLs actually increased as a result of a side-effect of the Phishguru training