CERIAS

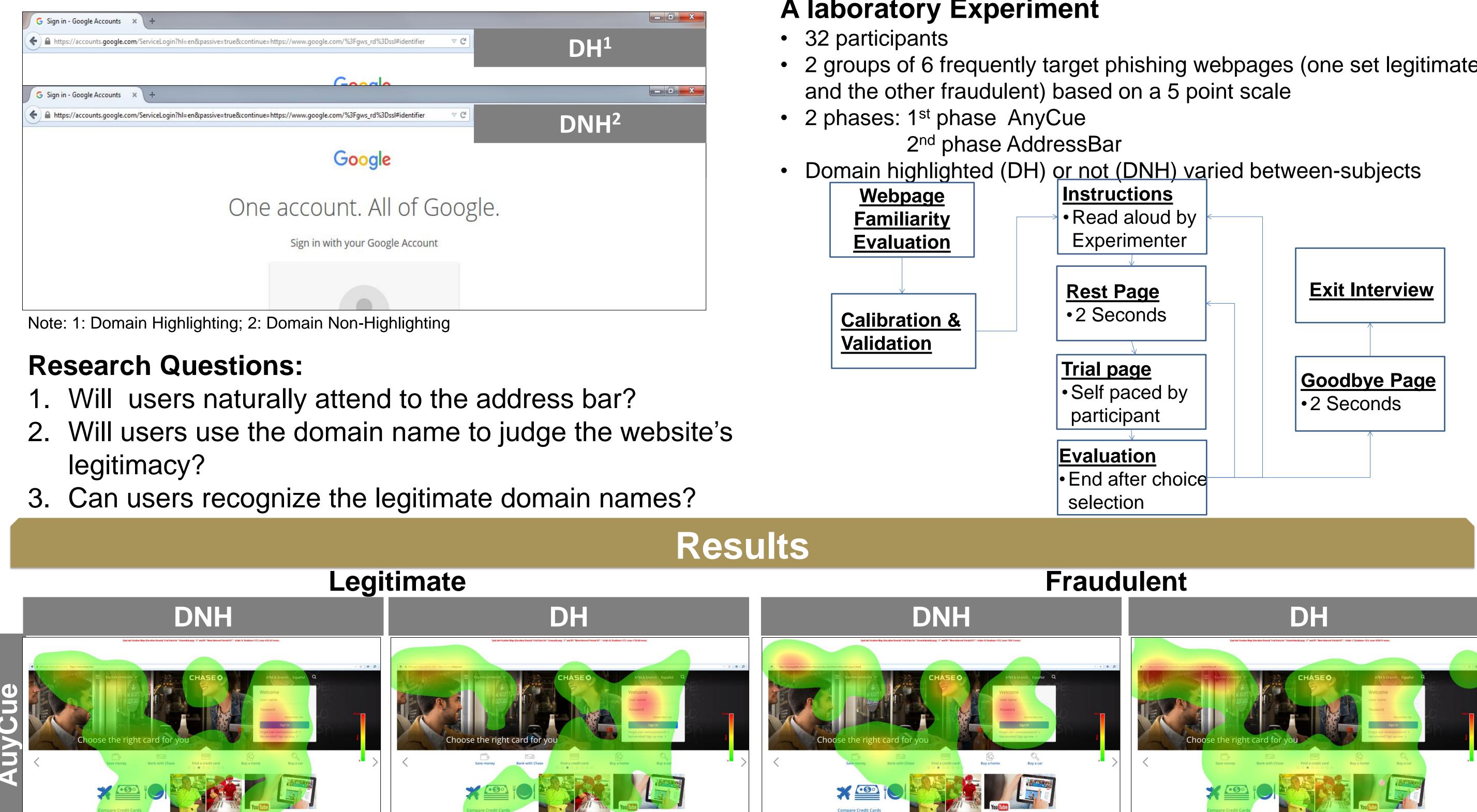
The Center for Education and Research in Information Assurance and Security

Do Users Attend to Highlighted Domains in Identifying Phishing Webpages?

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Domain Highlighting

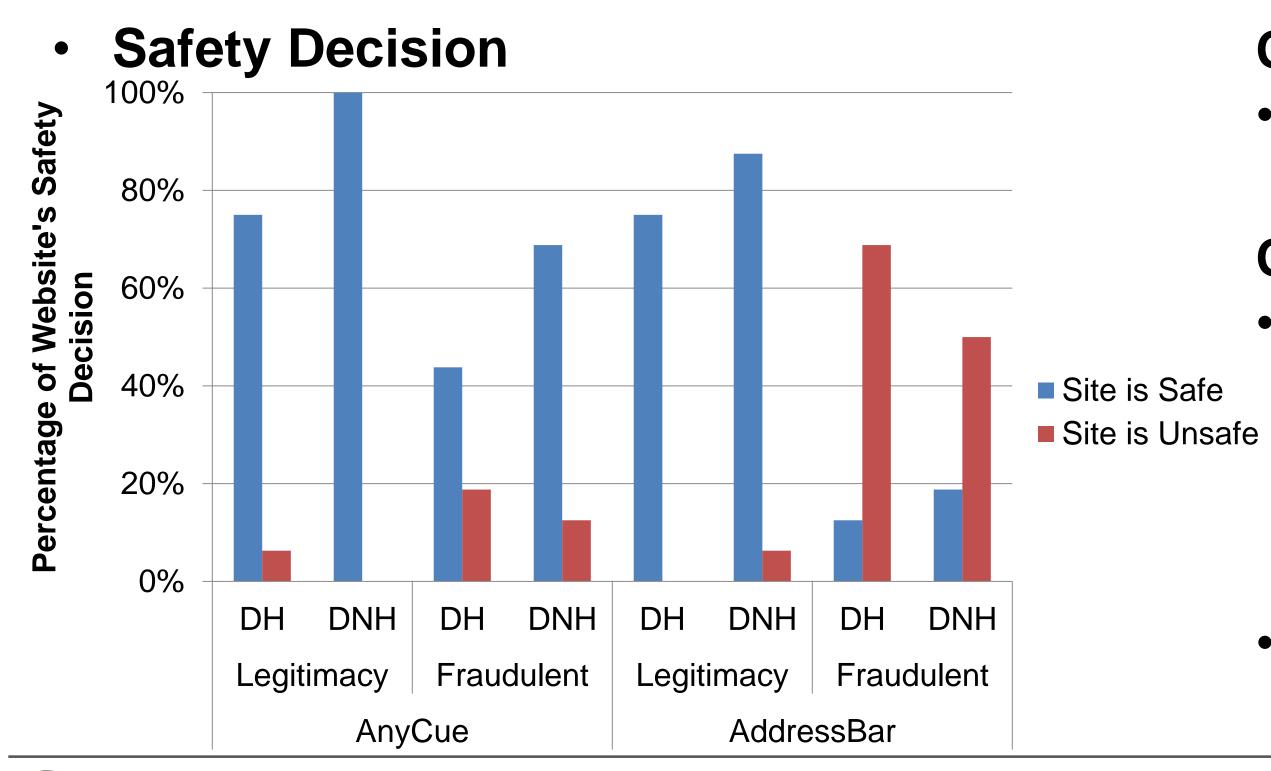


Eye-Tracking Experiment

A laboratory Experiment

- 2 groups of 6 frequently target phishing webpages (one set legitimate





Q1: Yes.

Naturally, participants attended to the address bar but in a much less extent if compared to visual cues such as login and logos.

Q2 & Q3: No.

- Although fixations were longer and concentrated on the highlighted domains for the fraudulent webpages, the nonsignificant differences between DH and DNH conditions revealed that participants did not mainly rely on the domain name for the legitimacy decision.
- Consequently, it suggests a lack of knowledge of the legitimate domain names for the participants.



