**Guidelines for reporting of user studies in Usable Privacy and Security – page 1**

**Categorization of risk representation**

We suggest the following shared vocabulary for describing the risk representation in UPS studies. UPS Venues can also ask reviewers to fill out this categorization and use it for descriptive statistics about the published studies.

**Objective of the study***(check as many as apply)*

**\_\_ Descriptive** - provides a snapshot of the current state of affairs

**\_\_ Relational** - designed to discover relationships among variables

**\_\_ Experimental** - participants are placed into multiple groups who experience different manipulations of a given experience so that the influence of each manipulation can be measured[[1]](#footnote-1)

**Risk response assessment method***(check as many as apply)*

\_\_ **Observational data**

\_\_ **Self-reported data**

**\_\_ Assigned security or privacy task** - e.g., password creation, send encrypted message

**\_\_ Assigned unrelated task** - e.g., drawing task, buy something on an online store, other non-security or privacy-related tasks

**Risk representation***(check as many as apply)*

**\_\_ Naturally occurring risk** - e.g., through observation or self-reported measures of naturally occurring behavior

**\_\_ Simulated risk** - e.g., through the use of scenarios participants should imagine themselves in

**\_\_ Mentioned risk** - e.g., a questionnaire where participants were presented with hypothetical situations

\_\_ **No induced risk representation**

**Incentives for secure behavior**

Were research participants incentivized to adopt a certain secure behavior, e.g., they would receive financial compensation if they managed to send an encrypted message?

\_\_ yes \_\_ no

**Prototype**

Does the study involve exposing participants to a prototype of any fidelity (interactive or non-interactive)? A prototype is defined as a new solution such as a textual message, an icon, or an interface.

\_\_ yes \_\_ no

**Scenario**

Do researchers ask participants to imagine themselves being in a certain situation?

\_\_ yes \_\_ no

**Educational Intervention**

Did the researchers attempt to educate research participants on privacy and security related topics?

\_\_ yes \_\_ no

**Guidelines for reporting of user studies in Usable Privacy and Security - page 2**

**Checklist for Essential Methodological Details and Ethics**

The following information should be clearly stated in usable privacy and security studies.

This checklist can be used by study authors and reviewers in usable privacy and security.

**Recruitment**

**How exactly were participants recruited?** E.g., flyers on university campus inviting students only, recruitment panel including parents in specific geographic area, undefined convenience sampling through flyers in an entire city, representative sample, purposive sample

Explain the recruitment strategy:

……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Were measures taken to include under-studied groups** (e.g., LGBTQ, older adults, kids, disabled persons…)?

\_\_ yes \_\_ no

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Informed Consent**

**Was informed consent obtained?**

\_\_ yes \_\_ no

If yes, how? ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..…………..

**Did participants have an accurate understanding of when the data collection started and ended?**

\_\_ yes \_\_ no

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Did participants receive a broad disclosure to avoid security or privacy priming?**

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Methodological Details**

**In the participants’ mind, whose data was at risk (if any)?**

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Were participants led to believe something that was not the case (use of deception)?**

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**How did the research protocol mitigate potential harm to participants?**

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Which other ethics issues discussed within the author team or the IRB and how were they treated?**

Explain: ……...……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..……..………….

**Did participants receive fair compensation?** Report time needed for study participation and compensation.

Time needed for participation: ……. Amount of compensation: ……

**Replicability**

Is the study protocol (including the instructions given to participants) available in the appendix?

\_\_ yes \_\_ no

1. Definitions based on Stangor & Walinga (2018) [↑](#footnote-ref-1)