

## Participant Informed Consent

This document contains details about this research study. Feel free to ask any questions you may have. Participation is **voluntary**; you are free to choose not to participate or withdraw at any time without consequence.

**Study Title:** Trustworthiness of Intelligent Systems with Known Weaknesses

### Person(s) Conducting the Study:

Principal Investigator: Dr. Eric Ragan, CISE ([eragan@ufl.edu](mailto:eragan@ufl.edu))

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### Purpose of the study:

This research seeks to understand how humans perceive the trustworthiness of machine learning and artificial intelligence algorithms. This research will provide insight into the development of explainable AI systems.

### What you will be asked to do:

You will be asked to examine several images classified by an intelligent system. Afterward, we will ask you about your opinions of and with the system. You'll be asked demographic questions for data analysis.

Survey responses will be recorded. You may choose not to participate if you do not wish your responses to be recorded. These records will be used for later analysis to determine user trustworthiness towards machine learning and intelligent systems.

### Time required:

One session, up to 60 minutes.

### Risks and benefits:

Minimal to no risk is involved as a participant. Because this is a survey study, risk is limited to regular computer use.

Only the researchers will have access to the information we collect online. There is a minimal risk that security of any online data may be breached, but since no identifying information will be collected, and the online host (Qualtrics) uses encryption and other forms of protection, it is unlikely that a security breach of the online data will result in any adverse consequences for you.

There are no direct benefits to participating in this study. However, this research will provide insight into the development of explainable AI systems.

### **Compensation:**

If you are enrolled in an approved course, you are eligible to receive course credit as compensation in this study. The credit granted will be based on the course guidelines set by your instructor up to but not exceeding 2% of your final grade for the course. First and last names, email, UFID, and course numbers may be collected to verify your identity before credit can be granted.

### **Withdrawal from the study:**

You are free to withdraw your consent from the study and stop your participation at any moment for any reason without consequence. Any questions asked will be optional. If you choose to withdraw, your information will be discarded and destroyed.

If you wish to discuss anything above or any discomforts your experience, please ask questions now or contact one of the researchers listed above.

If you have any questions regarding your rights as a research subject, please contact the Institutional Review Board (IRB02) office ( (352) 392-0433 or [irb2@ufl.edu](mailto:irb2@ufl.edu).)

### **Agreement to participate:**

Now that you've read about the study, if you wish to participate, click the "I agree to participate" button to continue; if you do not consent to participate, click "I do not wish to participate" or just close this window.

A digital copy of this form can be sent by request.