#### MOBILE USERS' SUSCEPTIBILITY TO PHISHING ATTACKS

A QUANTITATIVE STUDY

LEY SYLVESTER, PhD

# MOBILE DEVICE USE

- Mobile banking
- Shopping
- Various apps

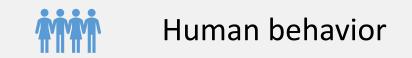


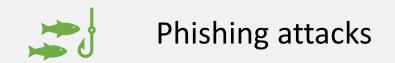
# PHISHING

- Why phishing
- What can I do
- User's risky behavior



### HUMAN FACTOR





### METHODOLOGY



Instrument (Technology Threat Avoidance Theory)



**Regression Analysis** 

# HYPOTHESES

- Perceived susceptibility of being attacked by phishing positively affects perceived threat.
- Perceived severity of being attacked by phishing positively affects perceived threat.
- Perceived susceptibility and perceived severity of a phishing attack have a positive interaction effect on perceived threat.
- Perceived threat of being phished positively affects avoidance motivation.
- Safeguard effectiveness against phishing attacks positively affects avoidance motivation.
- Perceived threat of phishing attack and safeguard effectiveness against phishing have a negative interaction effect on avoidance motivation.
- Safeguard cost against phishing attacks negatively affects avoidance motivation.
- Self-efficacy for taking safeguard measures against phishing attacks positively affects avoidance motivation.
- Avoidance motivation positively affects the avoidance behavior of using safeguard measures.



## CONCLUSION



PERCEPTION OF THREAT

#### AVOIDANCE BEHAVIOR

AVOIDANCE MOTIVATION

# THANK YOU!

#### LEY SYLVESTER, PhD CONTACT@LEYSYLVESTER.COM

