# Improving Security Behavior of Employees in Cyberspace through Evidence-based Malware Reports and E-Learning Materials

Challenge:
- Security breaches are prevalent in organizations and many of the breaches are attributed to employees' errors.
- Improving employees' cybersecurity behavior is a challenge.

Solution:
- A cybersecurity behavior model is constructed.
- A cross-sectional survey study among 481 employees is conducted.
- New training materials have been developed.
- An experimental study (pre-test, interventions, post- test and follow up test) for the training materials is under way.
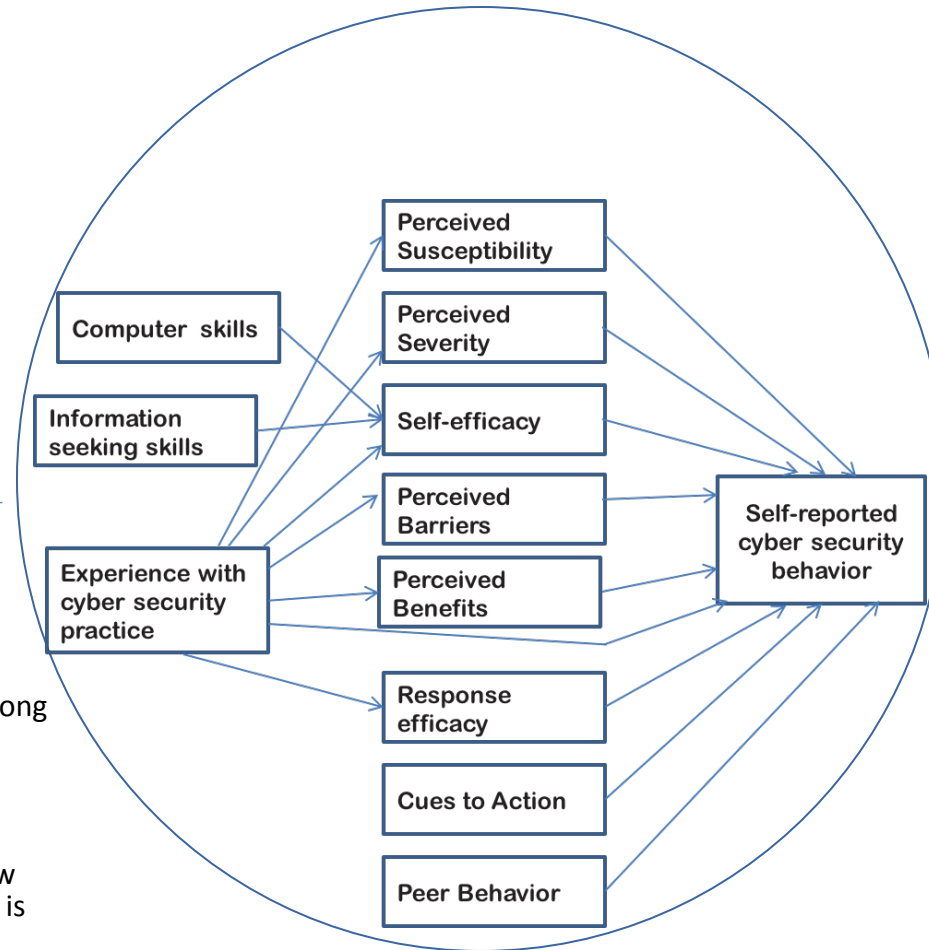
Scientific Impact:
- developed new training methods and materials to improve employees' awareness and capabilities to defend against cyberattacks.
- Identified key psychological and social factors that affect employees' cybersecurity behaviors.

Broader Impact:
- The outcomes of this project helps explain cybersecurity compliance behaviors.
- This project helps organizations develop effective cyber security policies.
- This project contributes to cybersecurity behavior research and supports cybersecurity training.

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