

SECURQUAL: An Instrument for Evaluating the Effectiveness of Enterprise Information Security Programs

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Outline

- Background
- Questions Addressed
- Results
- Future

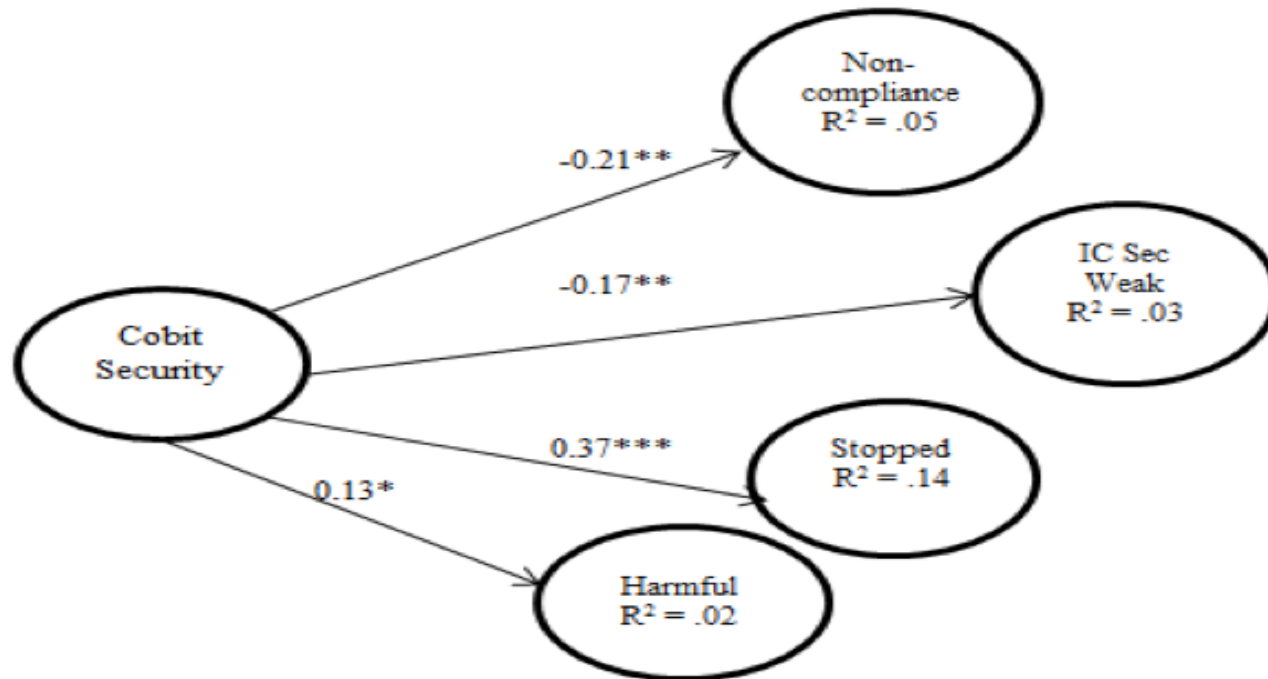
Background

- What characteristics of internal audit impact information security?
 - IA and Top management influence relationship
- Difference between people oriented aspects and technical aspects
- Need to understand activities impact infosec
 - Data very hard to obtain
 - Must address multi-faceted infosec programs

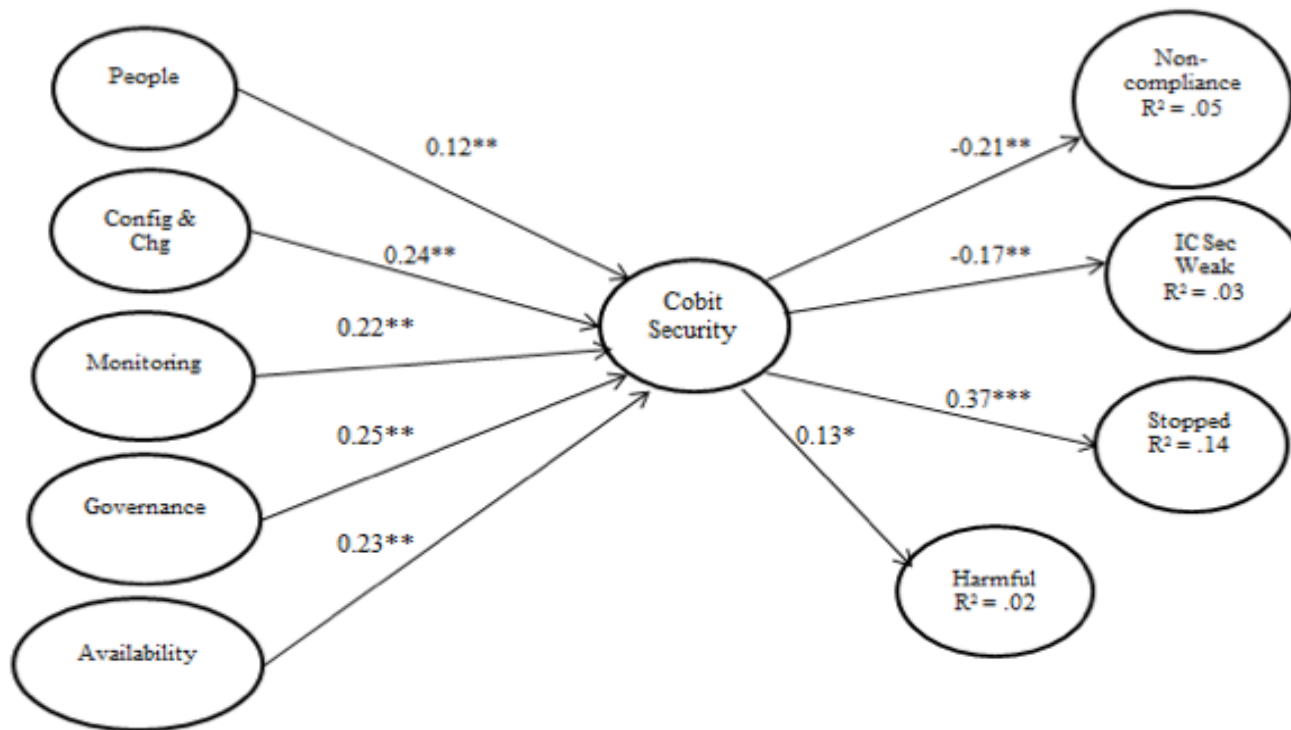
Questions addressed

- Not just components of information security but also level of development
- Different levels of Infosec effectiveness
 - Incidents that result in harm to firm
 - Incidents detected AND stopped
 - Noncompliance Issues
 - Internal control weaknesses
- Methods to develop instrument
 - Questions that would be answered
 - Instrument that can be completed
 - Questions that make sense

Results



* significant at $p < 0.10$
** significant at $p < 0.05$
*** significant at $p < 0.01$



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Future

- Trends – predictive
- Test of European firms

Acknowledgements

- AICPA
- ISACA