

# NSF-BSF: SaTC: CORE: Small: Evaluating Cybersecurity Precautions and Harms in Israeli Enterprises

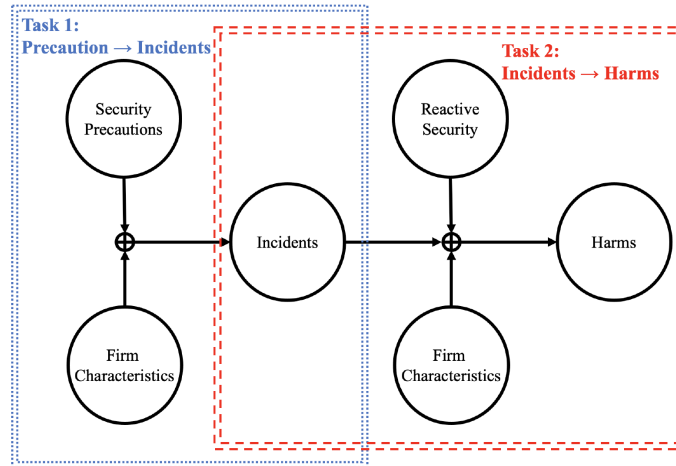


## Challenge:

- Despite spending more, firms cannot determine whether these investments are effective
- Goal is to strengthen empirical basis of relationship between security defenses and outcomes

## Solution:

- Leverage data from firm-level surveys of cyber defense and attack experience
- Triangulate with outside-in measures of firm security, public incidents



Causal model relating security precautions to incidents and harms

## Scientific Impact:

First comprehensive empirical analysis of how organizational cybersecurity investments affect the likelihood of experiencing incidents undertaken at a national level (in this case, Israel)

## Broader Impact and Broader Participation:

- Through INCD partnership, findings will have immediate and direct impact on advancing the cybersecurity of the state of Israel and its organizations
- Model for the data that should be gathered and analyzed in the U.S. and beyond in future

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