



More News does not Mean Effective Policy Perception and Impact of US Cyber Policies

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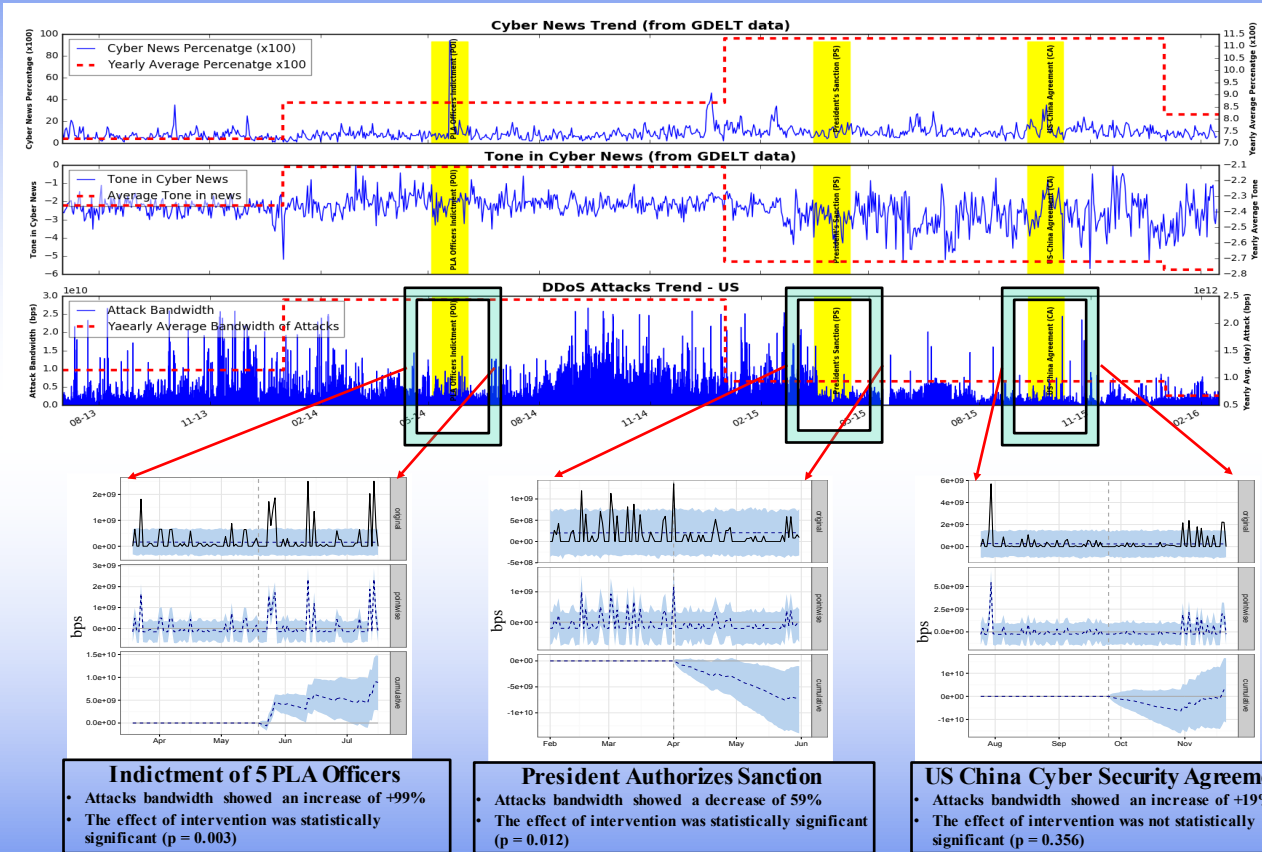
Introduction

- Cyber-attacks aimed at breaking into networks, stealing data and bringing websites down have become an every-day phenomenon
- Cyber Policies have also stayed in news
- However, the impact of cyber-polices on cyber-attacks in not clear
- Using GDELT news and DDoS attacks data shared by Arbor Networks from June 2013 to Mar 2016, we do a intervention analysis to measure the impact of cyber policy changes
- We also summarize the news, tone and attacks trend

Methodology

- Get cyber-news trend from GDELT
- Get trend of sentiment in cyber-news from GDELT
- Find major cyber events from cyber-news trend
- Filter policy related events from cyber events
- Get trend of cyber-attacks from digitalattackmap.com
- Find polices that made more noise
- Use intervention analysis to measure the impact of major cyber policy events
- Find polices that made an impact

Results



Conclusions and Discussion

- There is a growing discussion of cyber issues
- And growing negative sentiment in cyber news
- But there is a decrease in actual DDoS attacks
- PLA officers indictment lead to an eventual increase in attacks (99%) in four months time frame
- President's sanction decreased attacks by 59%
- US-China cyber agreement had no significant impact

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