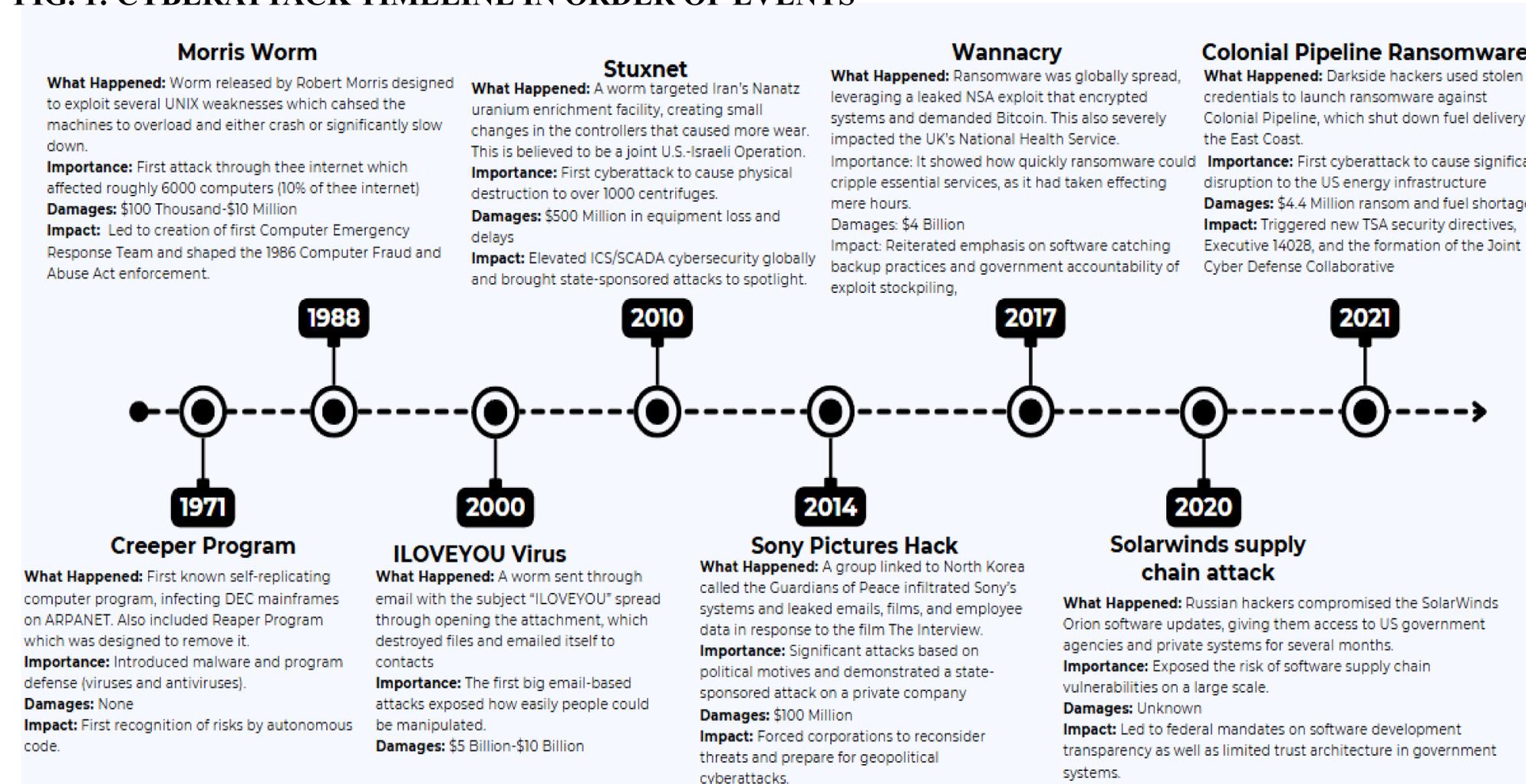
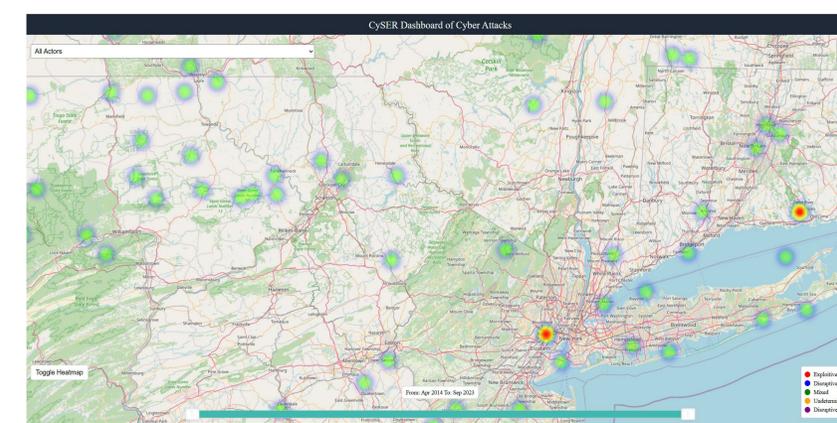
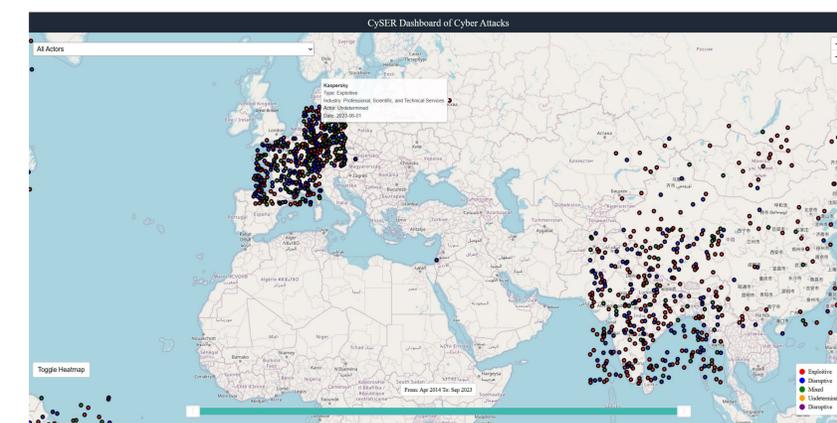


Results

FIG. 1: CYBERATTACK TIMELINE IN ORDER OF EVENTS



FIGS. 2 & 3: CYBERATTACK DASHBOARD



Conclusion

As cyberattacks become increasingly common, it is crucial to understand how they have shaped and disrupted society throughout the evolution of the internet and our growing reliance on digital infrastructure. Recognizing the scale and seriousness of these threats allows us to better prepare for the future. By developing stronger cyber deterrents and adopting industry best practices, we can work toward safeguarding our systems and protecting society from the rising tide of cyber threats.

References

- 1) (Creeping Program) <https://www.exabeam.com/blog/infosec-trends/creeper-the-worlds-first-computer-virus/>
- 2) (Morris Worm) <https://www.fbi.gov/news/stories/morris-worm-30-years-since-first-major-attack-on-internet-110218>
- 3) (ILOVEYOU Virus) <https://www.godskysecurity.com/the-history-and-impact-of-the-iloveyou-virus/>
- 4) (Stuxnet) <https://spectrum.ieee.org/the-real-story-of-stuxnet>
- 5) (Sony Pictures Hack) <https://www.fbi.gov/news/press-releases/update-on-sony-investigation>
- 6) (WannaCry) <https://www.cisa.gov/news-events/alerts/2017/05/12/indicators-associated-wannacry-ransomware>
- 7) (Solarwinds) <https://www.gao.gov/blog/solarwinds-cyberattack-demands-significant-federal-and-private-sector-response-infographic>
- 8) (Colonial Pipeline) <https://www.cisa.gov/news-events/news/attack-colonial-pipeline-what-weve-learned-what-weve-done-over-past-two-years>
- 9) (Cyberattack Dashboard Source) <https://www.esis.org/programs/strategic-technologies-program/significant-cyber-incidents>

Introduction

Cyberattacks have become a constant and growing threat in today's connected world. From data breaches to state-sponsored attacks, these digital threats can disrupt infrastructure, steal sensitive data, and impact everyday life. This project highlights how cyberattacks have evolved into a defining challenge of the digital age, revealing their patterns, impact, and global significance.

Acknowledgements

This work is supported by funding for the VICEROY Northwest Institute for Cybersecurity Education and Research (CySER) provided by The Office of the Undersecretary of Defense for Research and Engineering, in collaboration with the Air Force Research Laboratory and Griffiss Institute.

Objective

Our objective is to showcase cyberattack frequency, locations, perpetrators, and impacts, enabling cybersecurity professionals to identify recurring patterns and trends that inform cybersecurity strategies. Additionally, we showcase a timeline to provide additional context to when some of the major attacks occurred with valuable context for them.

Methods

To build the timeline (Fig. 1)¹⁻⁸, we researched some of the most impactful cyberattacks and found valuable information, including damages, dates, and effectiveness. The metadata from a cyberattack database⁹ was loaded into an optimized HTML dynamic webpage to create the dashboard (Figs. 2 & 3).