Cybersecurity Threats

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Question & Purpose of Analysis:

- What are the most common cybersecurity threats companies face?
- To examine vulnerabilities and weaknesses that lie within every range and aspect of an organization

Who Benefits?

This exploration of data can be useful to companies of all sizes, regardless of their company's purpose or general audience.
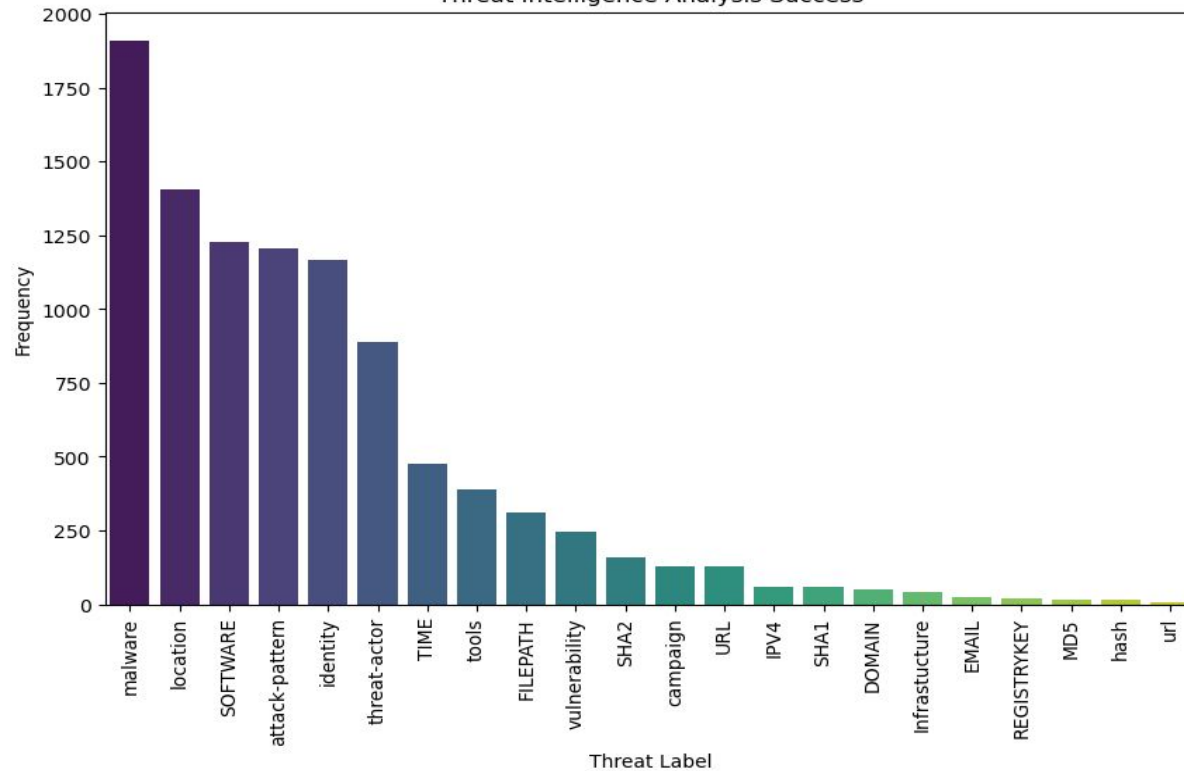
Methodology:

The datasets used came from web scraping CSV files pertaining to a large database consisting of information regarding cyberthreats, the threat's impact, and how long the threat had been occuring
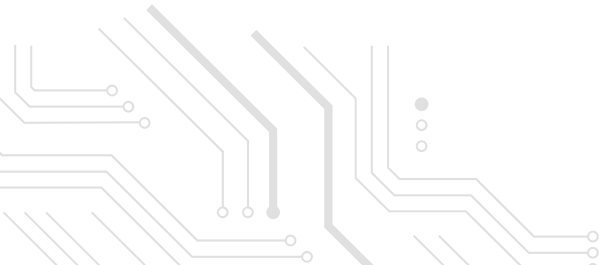
Sample Analysis

Threat Intelligence Analysis Success

Tools **used:**

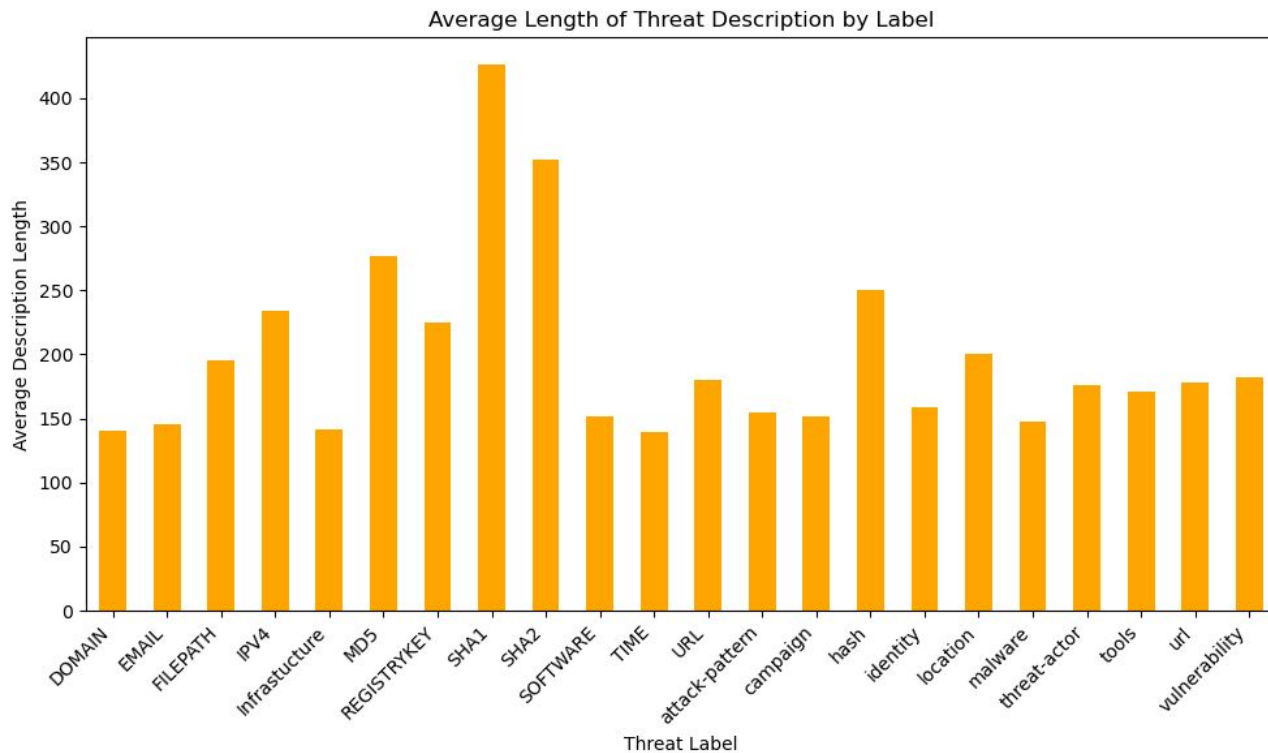In order to complete my project I used

- Jupyter Notebooks
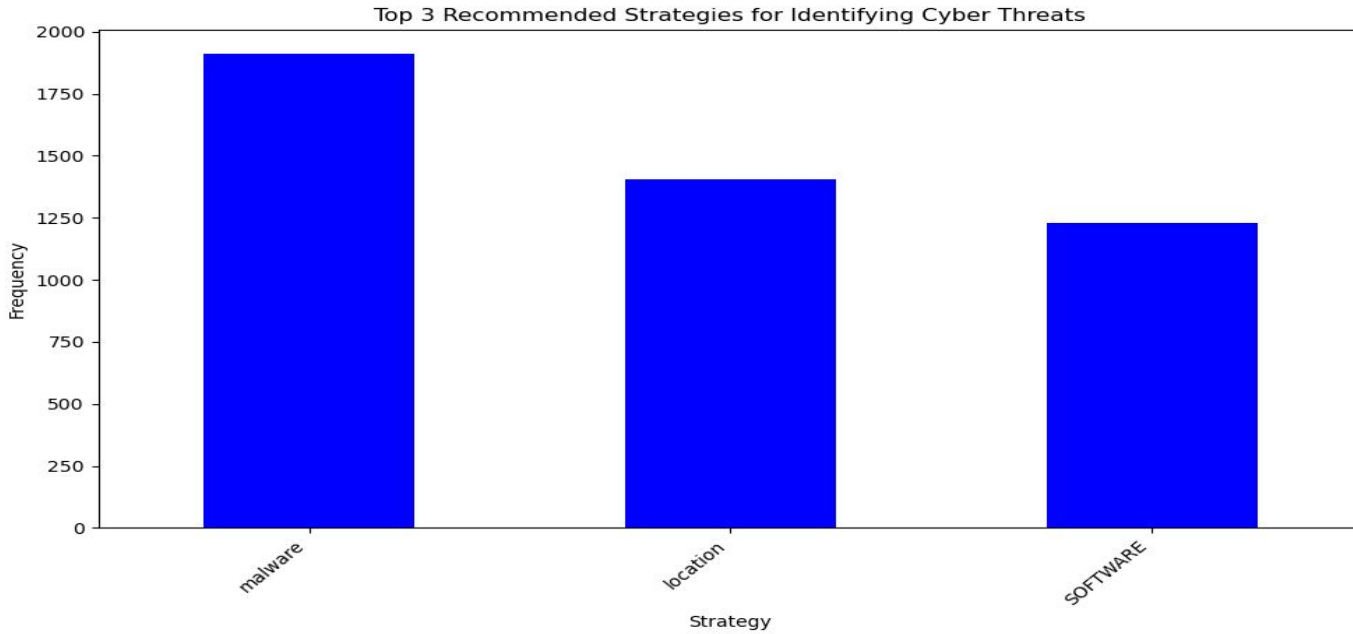- Chatgpt
- Kaggle

Results

- **How often cyber threats occur & how long they last**
- **The most common cyberthreat**
- **Impact of cyber threats**
- **Length of an attack**

Key Plots

Average Length of Threat Description by Label

Key Plots

Top 3 Recommended Strategies for Identifying Cyber Threats

Questions?

- At what stage would a company come forward and acknowledge a cyber threat and its impact?
- How often do companies do threat analysis?
- With advancement of technology, what new threats will appear?