**HDSC JUNE ’23 PREMIERE PROJECT PRESENTATION BY TEAM TABLEAU**

**Cyber Security Risk (2022 CISA Vulnerability)**

Cyber attacks are on the increase in recent time. Efforts have been made to mitigate cyber security risk in order to protect vital data. It can be quite difficult to protect oneself from cyber security risks if one lacks vital information about recent vulnerabilities, or fail to understand the meaning of available information on cyber security risk. The dataset gathered from CISA Known Exploited Vulnerabilities catalog for 2022 provides a lot of important information on the latest cyber security risk across the United States such as specific vulnerability name, the vendors attacked, the products attacked, the severity and complexity of the vulnerabilities, and the other helpful information about the latest cyber security risk. This available information will be very helpful in averting cyber security risk, but it must be nicely cleaned and properly presented to be useful.

**Project Objective**

The objective of this project is to prepare the dataset by cleaning, process, and transforming the dataset in order to gain useful insight from the data.

To create a visualization dashboard that will determine how effectively the vulnerabilities have been successfully tackled over time, the most vulnerable product and its highest vector,