

## **The Efficiency of machine learning Techniques in minimizing Dwell Time of Cyberattacks**

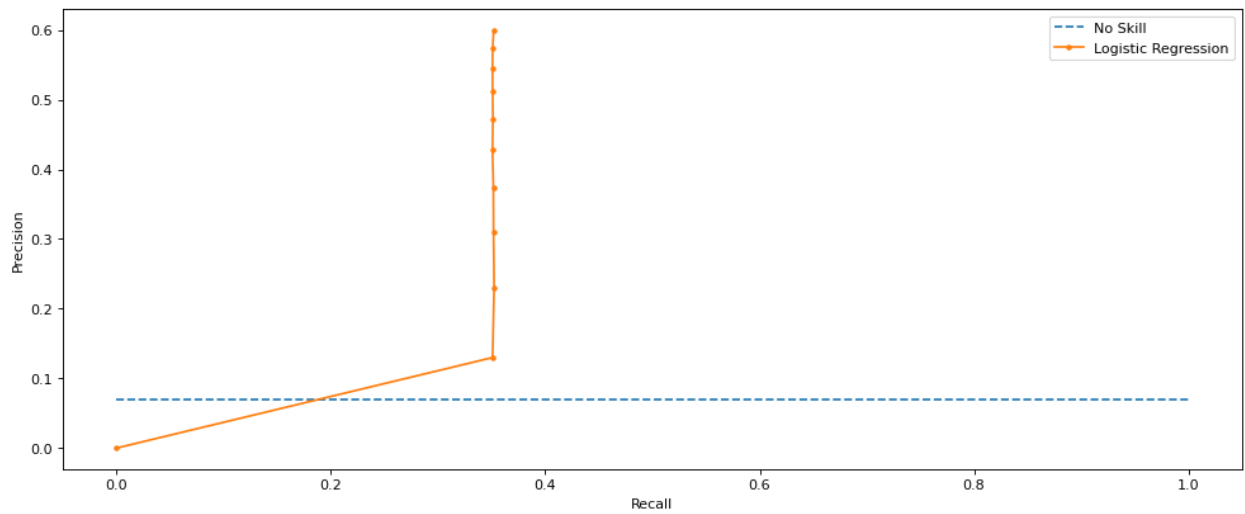
### **Minimum Viable Product (MVP):**

Cyberattacks Dwell Time is the time between when a compromise first occurs and when it is detected. The goal of this project to detect the cyberattack as early as possible to eventually minimize Cyberattack Dwell Time.

The initial step to answer project question I extracted two datasets one for training to check the model validation. The second dataset is used to evaluate the model generalization with unseen data.

The initial result of logistic regression evaluation using precision-recall metrics is shown in below figure.

## MVP



Even the initial result of model performance is not good for detecting the cyberattack early, I will try my best to improve the model performance.