Mini-Project 3: Network Intrusion Detection

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# Problem Statement

This project aims to build a network intrusion detector, a predictive model capable of distinguishing between bad connections, called intrusions or attacks, and good normal connections.

# Methodology

# Experimental Results and Analysis

# Task Division

## Chandini Nagendra:

* Report

## Siddharth Chittora

* Report

Discussed together on how to improve the model and came up with the solution discussed in the additional features section.

# Project Reflection

challenges

what did you learn as a team

# Additional Features

### Tree-based feature selection

Tree-based estimators (see the **[sklearn.tree](http://scikit-learn.org/stable/modules/classes.html" \l "module-sklearn.tree" \o "sklearn.tree)** module and forest of trees in the **[sklearn.ensemble](http://scikit-learn.org/stable/modules/classes.html" \l "module-sklearn.ensemble" \o "sklearn.ensemble)** module) can be used to compute feature importances, which in turn can be used to discard irrelevant features (when coupled with the **[sklearn.feature\_selection.SelectFromModel](http://scikit-learn.org/stable/modules/generated/sklearn.feature_selection.SelectFromModel.html" \l "sklearn.feature_selection.SelectFromModel" \o "sklearn.feature_selection.SelectFromModel)** meta-transformer):