CS 634 DATA MINING FINAL TERM PROJECT

SUNDAY DAVID

04/30/2021

# Supervised Data Mining (Classification)

This project evaluates the performance of different classifiers

Github link: https://github.com/sdavid501/Evaluating-Classifier-Performance.git

## Requirements

* macOS/Windows
* Python 3.6

## Setup

Download and extract the zip file (DAVID\_SUNDAY\_FINALTERMPROJ.zip) into a directory that you’ll use. For illustration purpose, my extracted directory is: /Users/sdavid/Downloads/project2

Graphical user interface, text

Description automatically generated

**Setup Python environment**

* You can skip this section if python is already installed in your machine
* Go to <https://www.python.org/downloads/>
* Follow the instruction for installing python 3.6

**Classifiers**

The following classifiers were used to evaluate the performance the same source data.

* Random Forest
* KNN
* Naïve Bayes

**Input Data**

The source data was from <https://archive.ics.uci.edu/ml/machine-learning-databases/iris/iris.data>

**Analyzing the data**

A picture containing diagram

Description automatically generated

Chart, scatter chart, bubble chart

Description automatically generated

**Output**

The output of the evaluations is shown below:

**A picture containing graphical user interface

Description automatically generated**