5/4/21

*Replace This With Your Name*

# ASSIGNMENT 1T: DECISION TREES

Please use this template in creating your response. Retain the gray text and MS Word headings, and supply your responses where indicated. Your materials, in black 12-point Times New Roman, should not exceed 5 pages excluding this gray text, the references and your figures. You may add appendices, which should be referred to in the body of the paper, and which will be read on an as-needed basis. Note the evaluation criteria below, and leave plenty of time for editing so that your paper responds to them and you obtain the most favorable grade. Responses considered “good” should go beyond the minimum of what’s requested.

Go [here](https://colab.research.google.com/drive/1DGZdokU6DOXCtDjYjGU_yev0_6KZOP2o?usp=sharing), and copy to your Google drive.

## 1. SUMMARY DESCRIPTION

Describe a decision tree application that you will implement by modifying the code you copied.

Your response goes here.

## 2. DATA SOURCE

Explain the source of your data (e.g., by hand; Kaggle). Point to a URL so we can see it.

Your response goes here.

## 3. EXAMPLES

Create three different input sets to the anticipated application and show their outputs.

Your response goes below.

Input 1: Output 1.

Input 2: Output 2.

Input 3: Output 3.

## 4. SOURCE

Please supply the URL of your (shared) Colab code.

Your response goes below.

## 5. DATA ALTERATION FOR CHANGED RESULTS

Alter the data so that it changes in the outputs for the above inputs. Explain why. Limit: 2 normal paragraphs (remember that you can use appendices for reference material).

Your response goes here.

## 6. INCONSISTENT DATA

Alter the data so that it contains inconsistencies, and show changes in the I/O of the examples in part 3. Explain. Limit: 2 normal paragraphs (remember that you can use appendices for reference material).

Your response goes here.

## 7. BENEFITS

In at most a page and a half (of 12-point text), explain the pros and cons of decision trees *applied to the application you have chosen*. You may build on the work of others but (1) show clearly that you understand this work and (2) observe all plagiarism rules scrupulously, including clear citations.

Your response goes here.

## EVALUATION

