

CPSC 483 PROJECT 1

Yong Kim

- Assignment

To implement ID3 without any ML libraries and packages

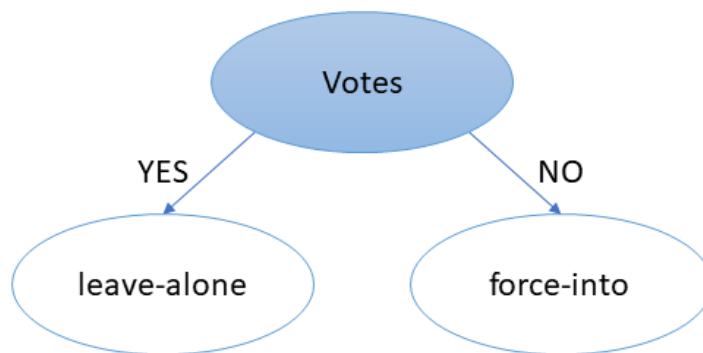
1) Environment

R / R-studio

2) Usage

1. Execute R-studio
2. Execute **library("tidyverse")**
3. Execute **ID3_YKim.R**
4. Import any data set
5. Convert the type of the data set using
data_set <- as.data.frame(data_set)
6. Execute **ID3(data_set)**

3) Draw the tree



4) What will the decision tree result, for the following:

HAS a JOB	HAS an INSURANCE	VOTES	ACTION
no	yes	yes	leave-alone
yes	no	yes	leave-alone
no	yes	no	force-into