ANA515 Assignment 2

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Data Description

For this assignment I am using car evaluation dataset from Kaggle, which is a csv file. The delimiter used in this dataset is ‘,’. This dataset includes the data about a cars buying price, maintenance price, number of doors, number of person it can accommodate, size of the luggage boot and safety of the car. It uses all that attributes to give a decision of if the car has an acceptability value of unacc (unacceptable), acc (acceptable), good and vgood (verygood). This dataset contains all categorical variables.

Possible values of attributes:
buying = vhigh, high, med, low
maintenance = vhigh, high, med, low
doors = 2,3,4,5more
person_fit = 2, 4, more
luggage_boot = small, med, big
safety = low, med, high

This dataset was derived from a simple hierarchical decision model which was originally developed to demonstrate multi-attribute decision making. It was first introduced by M.Bohanec and V.Rajkovic for their work “Expert system for decision making” which was published in 1990 and then this dataset was donated in 1997.

This dataframe has 1728 rows and 7 columns

Characteristics of the data

Column Name	Description
buying	buying price of the car
maintenance	maintenance price of the car
doors	number of doors that car has
person_fit	number of person that the car can fit
luggage_boot	size of the luggage boot of the car
safety	estimated safety of the car
car_acceptability	acceptability of the car

```
##   person_fit        luggage_boot          safety
##  Length:1728        Length:1728        Length:1728
##  Class :character   Class :character   Class :character
##  Mode  :character   Mode  :character   Mode  :character
```

```
##   person_fit luggage_boot       safety
##            0            0            0
```

```
##  person_fit_num luggage_boot_num   safety_num
##  Min.   :2      Min.   :1        Min.   :1
##  1st Qu.:2      1st Qu.:1        1st Qu.:1
##  Median :4      Median :2        Median :2
##  Mean   :4      Mean   :2        Mean   :2
##  3rd Qu.:6      3rd Qu.:3        3rd Qu.:3
##  Max.   :6      Max.   :3        Max.   :3
```

```
##   person_fit_num luggage_boot_num       safety_num
##                0                0                0
```