

# Programming Assignment 3 (Due:5/14)

- Binary classification: Decision tree
- Dataset: training\_data.csv, P3\_test.csv
  - Training data: 300 instances
    - Label (car condition): bad, acc
  - Attributes/Features
    - buying (price of the car): vhigh, high, med, low
    - maint (price of maintenance): vhigh, high, med, low
    - doors (number of doors): 2, 3, 4, 5more
    - persons (highest number of passengers that can be transported): 2, 4, more
    - lug\_boot (size of luggage compartment/boot): small, med, big
    - safety (estimated safety of car): low, med, high