LinearRegression Folder:
Data Files: *linear-regression-train.csv *linear-regression-test.csv
Code File: *linearRegression.py
* Run: python linearRegression.py, then the program will print 6 parameters one after another
- LogisticRegression Folder:
Code File: *logisticRegression.py
* Run: python logisticRegression.py, then the program will print the parameters after two iterations
 * Problems and solutions: 1. Math.exp overflow: whenever the data overflows, I set the value of exp function to be 'inf'. There are undefined cases, like inf - inf or inf/inf. So, the program runs well in this way. 2. Hessian matrix is not invertible: add small number to the diagonal of the matrix.
- DecisionTree Folder:
Data Files: *house-votes-84.data
Code File: *DecisionTree.py
*Run: python3 DecisionTree.py data [0/1, 0-Information Gain, 1-Gain Ratio, default:0]