Assignment 5

This assignment is not graded and you don't need to submit. Still, you may want to study it to prepare for the midterm exam.

Problem.

Run J48 on buys_computer_extended_tr.csv (note: accept all default parameters).

(1). Visualize the decision tree.

(2). Extract all rules from the decision tree.

(3). For each rule, calculate the coverage and accuracy with regard to the following dataset.

age	income	student	credit_rating	buys_computer
<=30	high	no	fair	yes
<=30	high	no	excellent	no
31..40	high	yes	fair	yes
>40	medium	no	fair	yes
>40	low	yes	fair	no
>40	low	yes	excellent	no
31..40	low	yes	excellent	yes
<=30	medium	no	fair	no
<=30	low	yes	excellent	yes
>40	medium	yes	fair	no
<=30	low	yes	excellent	yes
31..40	medium	no	excellent	yes
31..40	high	yes	fair	no
>40	medium	no	excellent	no
<=30	high	no	fair	no
<=30	high	yes	excellent	yes
31..40	low	no	fair	yes
>40	medium	yes	excellent	yes
>40	low	no	fair	no
>40	medium	yes	excellent	yes