



UNIVERSITY

(Estd. u/s 3 of UGC Act 1956)

Vellore-632 014, Tamil Nadu, India. www.vit.ac.in

S.THARUN

19MID0031

CSI3010 - DATA WAREHOUSING AND DATA MINING

FACULTY: CHELLATAMILAN T

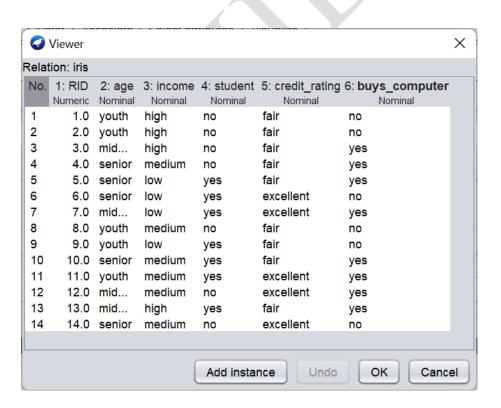
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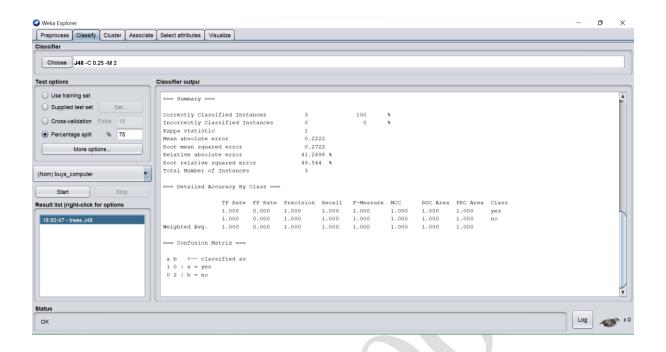
CONSTRUCTING AND EVALUATING DECISION TREES

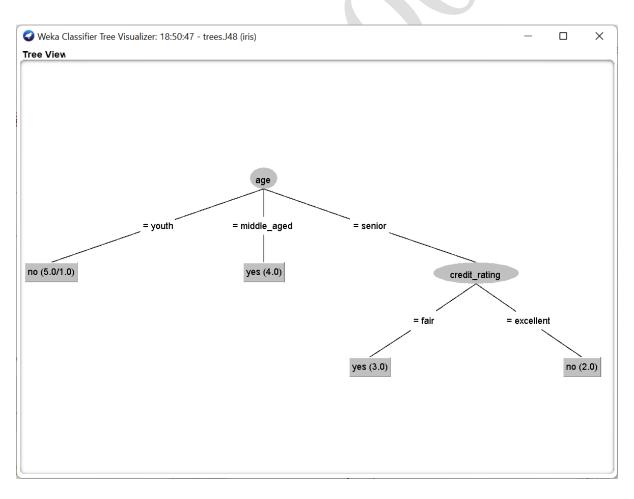
1. Draw Decision Tree using following dataset Dataset.

RID	age	income	student	credit_rating	Class: buys_computer
1	youth	high	no	fair	no
2	youth	high	no	excellent	no
3	middle_aged	high	no	fair	yes
4	senior	medium	no	fair	yes
5	senior	low	yes	fair	yes
6	senior	low	yes	excellent	no
7	middle_aged	low	yes	excellent	yes
8	youth	medium	no	fair	no
9	youth	low	yes	fair	yes
10	senior	medium	yes	fair	yes
11	youth	medium	yes	excellent	yes
12	middle_aged	medium	no	excellent	yes
13	middle_aged	high	yes	fair	yes
14	senior	medium	no	excellent	по

COMPUTER DATA

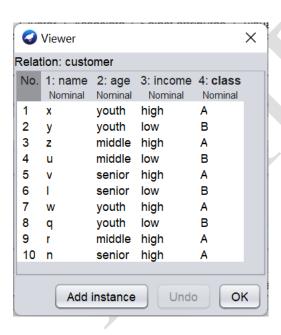


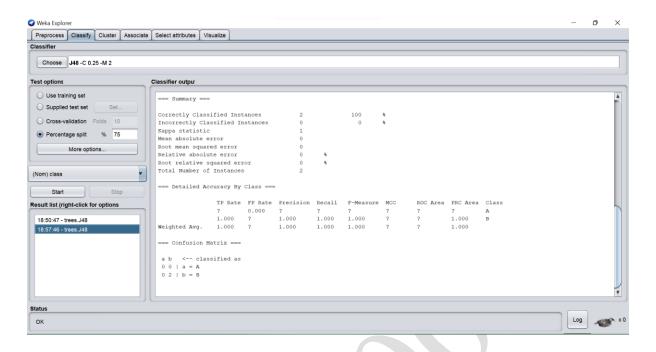


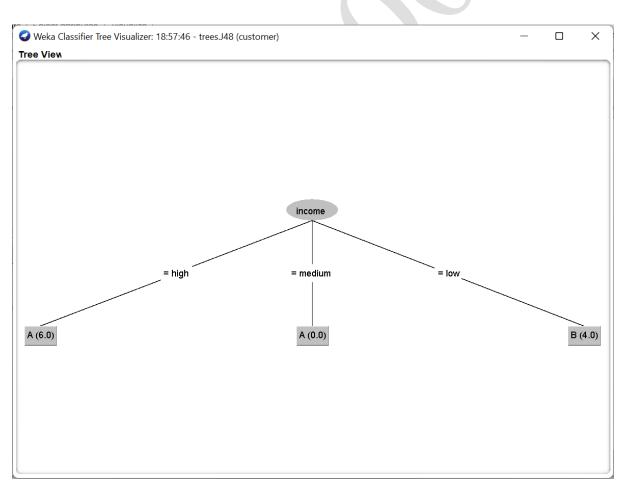


3. Construct the Decision Tree using the following customer dataset

- @relation customer
- \widehat{a} attribute name {x,y,z,u,v,l,w,q,r,n}
- @attribute age {youth,middle,senior}
- @attribute income {high,medium,low}
- @attribute class {A,B}
- @data
- x,youth,high,A
- y,youth,low,B
- z,middle,high,A
- u,middle,low,B
- v,senior,high,A
- l,senior,low,B
- w,youth,high,A
- q,youth,low,B
- r,middle,high,A
- n,senior,high,A







Other Dataset: Location

- @relation location
- @attribute age {21,24,25}
- @attribute location {hyd,blr,kdp}
- @data
- 21,hyd
- 21,hyd
- 24,blr
- 24,blr
- 24,blr
- 24,blr
- 21,hyd
- 25,kdp
- 25,kdp
- 25,kdp

