HW3-Classification

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HW3

- Please implement a Classifier
- There are training dataset and testing dataset
- There are 5 attributes in example database.
  - Goal : predict the type of *member_card*
  - Use training dataset to build the classifier
  - Test the testing data to validate the correctness of your classifier
- Output the member_card class of testing data which you classify
- Please upload your code, executable, and output result
  - If you use C/C++, JAVA, or Python, you do not need to upload the executable

Example database

- @attribute marital_status {S,M}
- @attribute num_children_at_home numeric
- @attribute member_card {Basic,Normal,Silver,Gold}
- @attribute age numeric
- @attribute year_income numeric

- Example database:
  {0 M,1 1,2 Silver,3 82,4 40000}
  {0 M,1 2,2 Silver,3 53,4 40000}

Red frame is the id of attributes, for example, 0 is the first attribute, 1 is the second attribute, and so on.

Green frame is the value of attributes.

If a data has no member_card type, the type is considered "Basic".

Output example

- {0 M,1 1,3 59,4 60000} member_card = basic
- {1 3,2 Silver,3 43,4 160000} member_card = basic
- {0 M,1 2,3 52,4 120000} member_card = silver

- Blue part is the testing data
- Red part is your classification of this data