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GOALS

* BoolFuncOnDB k-value
  + ~~Allow user to use >, <, <=, >= signs~~
  + Test k\_values
  + User input function must match what the k-values in the database mean
  + Allow user to specify k-values for non-numeric values
  + Allow user to specify k-values for thresholds for numeric values
* Work on expert data mining program
  + Allow user to order questions manually (show table in question)
    - Use excel
    - Tell user to put numbers in second column for the planned order
  + Add ability to start at top of chain for static order
  + Dynamic should count number of ones and skips to decide where to skip
    - If number failures with equal number of ones is half of the number of vectors which have the same number of ones, then skip to a chain with more ones (bottom) or less ones (top)
  + Violation of monotonicity
* Assume vector of 0s is a class of 0 in ExpertDataMining program

RESULTS

I’ve implemented the function that can parses a k-value Boolean function. It needs to be tested more for a mix of k-value and Boolean, but it seems like it’s working. Next, after fixing some of the code that detects k-value, I tested the program on a k-value function on a Boolean dataset, and it worked as expected. I need to do more tests to make sure it works properly in other cases, however.

TO DO

* BoolFuncOnDB k-value
  + User input function must match what the k-values in the database mean
  + Allow user to specify k-values for non-numeric values
  + Allow user to specify k-values for thresholds for numeric values
  + User input function must match what the k-values in the database mean
* Work on expert data mining program
  + Allow user to order questions manually (show table in question)
    - Use excel
    - Tell user to put numbers in second column for the planned order
  + Add ability to start at top of chain for static order
  + Dynamic should count number of ones and skips to decide where to skip
    - If number failures with equal number of ones is half of the number of vectors which have the same number of ones, then skip to a chain with more ones (bottom) or less ones (top)
  + Violation of monotonicity
* Assume vector of 0s is a class of 0 in ExpertDataMining program
* Violation of monotonicity
  + Check middlemost expanded vector in each chain to see if they violate monotonicity
    - If they do
      * Trace expanded\_bys until we arrive at the actual question.
  + To fix violation, add new attribute and ask questions only based on new attribute