

Abstract

METHOD, DEVICE AND COMPUTER PROGRAM FOR ANALYZING DATA

5 The present invention relates to a method for
establishing a diagnostic question set, of a data
analysis framework, for a new user, the method
comprising: step a of establishing a question database
including a plurality of questions, of collecting
10 solving result data of the user for the questions, and
of applying the solving result data to the data analysis
framework, thereby calculating modeling vector(s) of the
questions and/or the user; step b of extracting, from
the question database, at least one candidate question
15 for establishing the diagnostic question set; step c of
identifying a user for whom solving result data for the
candidate question exist, and another question for which
solving result data of the user exist; step d of
applying only the solving result data of the user for
20 the candidate question to the data analysis framework,
thereby calculating a modeling vector of a virtual user;
step e of applying the modeling vector of the virtual
user, thereby calculating a virtual correct answer
probability for the another question; and step f of
25 comparing the virtual correct answer probability with
the actual solving result data of the user for the
another question, and averaging the comparison result
according to the number of the users, thereby
calculating a predicted probability for the candidate
30 question.

Figure 1