

ABSTRACT

METHOD AND APPARATUS FOR PRIVATELY CALCULATING IV VALUES IN FEATURE ENGINEERING

A method and an apparatus for privately calculating IV values in feature engineering are provided according to the present disclosure, relating to the technical field of artificial intelligence. The method includes: receiving feature value binning information from the second participant, where the feature value binning information is a random number assigned to feature values binned in a same bin after the second participant bins the feature values; calculating IV values for all bins based on the label values of the samples, and determining whether malicious grouping is performed based on the feature value binning information from the second participant in calculating the IV values; in a case that malicious grouping is performed, stopping calculating the IV values; and in a case that malicious grouping is not performed, transmitting calculated IV values to the second participant. With the method for privately calculating IV values in feature engineering according to the present disclosure, the first participant can determine whether a feature value grouping result from the second participant is malicious, thereby protecting the privacy of data of participants.

Figure 1