

ABSTRACT

The present disclosure provides a method and system for training a graph neural network and a method of identifying an abnormal account. The method of training a graph neural network includes: obtaining initial graph structure data corresponding to the terminal device, the initial graph structure data respectively obtained by the plurality of distributed training terminals being derived from the same sample graph structure data; and performing the following graph structure data processing stage and graph neural network training stage cyclically, until a target neural network satisfying a training requirement is obtained: determining a processing opportunity for currently performing a graph structure data processing stage based on historical execution data of historically performing a graph structure data processing stage and a graph neural network training stage; performing, based on the processing opportunity, graph structure data processing on the initial graph structure data in the graph structure data processing stage, to generate target graph structure data; the graph structure data processing comprising data sampling processing and feature extraction processing; and training, based on the target graph structure data, the target neural network in the graph neural network training stage.