MODEL REUSE-BASED MODEL PREDICTION METHODS, MODEL PREDICTION APPARATUSES, AND MODEL PREDICTION SYSTEMS

ABSTRACT

Embodiments of the present specification provide a model reuse-based model prediction method, apparatus, and system. In the model prediction method, to-be-predicated data of a data owner is respectively predicted by using each of multiple reusable prediction models of a model owner to obtain a predicted label of each reusable prediction model, where the predicted label is obtained by respectively performing secure computing on the to-be-predicated data and each reusable prediction model between the data owner and the model owner, and the multiple reusable prediction models have the same model prediction feature; and then a predicted label of the to-be-predicted data is determined based on the predicted label of each reusable prediction model and a model weight of each reusable prediction model, where the model weight of each reusable prediction model is a model weight in a data sample set of the data owner.

FIG. 2