

FEDERATED TRAINING METHOD AND APPARATUS, AND COMPUTER SYSTEM

ABSTRACT

Embodiments of this specification provide a federated training method and apparatus,
5 involving an intermediate party and n participants. The method is applied to the intermediate party,
and any round of iterative training involved in the method includes: first, correspondingly
receiving n embedding representations from the n participants, where each embedding
representation is obtained by a corresponding participant by processing a local feature
corresponding to a current batch of samples by using a local model; and then processing the n
10 embedding representations by using a corresponding deployed first gating network for any first
prediction task in m prediction tasks, to obtain n first weights; and then processing, by using a
corresponding deployed first prediction network, a weighted embedding representation obtained
based on the n first weights and the n embedding representations, to obtain a first prediction result,
so as to determine a training loss in the current round.

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(FIG. 1)