

ABSTRACT

The present disclosure relates to the technical field of artificial intelligence, and provides a temporal action segmentation method and apparatus, a model training method and apparatus, and a storage medium. The training method for a temporal action segmentation model of the present disclosure comprises: performing high-dimensional feature extraction on data of each modality in sample data to obtain a first feature of each modality; on the basis of the first feature, obtaining an intermediate loss function by means of dimension reduction processing, and obtaining a second feature of each modality by means of dimension recovery; on the basis of the second features and a supplementary feature, obtaining a motion representation by fusing the features of different modalities; processing the motion representation by means of a category encoder network and a boundary encoder network respectively to obtain an action category prediction vector and a temporal boundary prediction vector, so as to determine an action category prediction result, and determining a prediction loss function, wherein the temporal action segmentation model adjusts parameters on the basis of the intermediate loss function and the prediction loss function until training is completed.