

ABSTRACT

PRE-TRAINING SERVICE SYSTEM, AND SERVICE PROVIDING METHOD BASED ON PRE-TRAINING SERVICE SYSTEM

A pre-training service system and a service providing method based on a pre-training service system are provided in at least one embodiment of the present disclosure. A model maintained by the pre-training service system includes obfuscated model structure codes and obfuscated model parameters, and the obfuscated model structure codes and the obfuscated model parameters are generated after an obfuscation processing is pre-performed on original model structure codes and original model parameters respectively; and the system includes: a producer service module arranged for allowing a model producer to produce a pre-trained model; an optimizer service module arranged for optimizing the pre-trained model according to a fine-tuning dataset provided by a model optimizer to obtain an optimized model; and a consumer service module arranged for providing a service interface for at least one of the pre-trained model and the optimized model for a model consumer, the pre-trained model or the optimized model being arranged for performing inference on data provided by the model consumer to output a model prediction result.

Figure 1