Claims

1. A data measurement method, comprising:

acquiring a data set;

inputting the data set to a pre-trained deep learning network, and outputting a processing result, wherein the deep learning network is trained through a training sample set, and the training of the deep learning network comprises:

acquiring identity information of a target user in response to receiving a training request of the target user;

verifying the identity information and determining whether the verification is passed;

controlling a target training engine to start training in response to determining that the identity information passes the verification;

verifying, in response to detecting a selection operation of the target user for a training model in a training model base, the target training engine to determine whether the verification is passed;

transmitting, in response to determining that the target training engine passes the verification, an initial model to a terminal device of the target user;

training the initial model by using the acquired training sample set, to obtain a trained initial model;

aggregating, by using the target training engine, at least one model stored by the terminal device and the trained initial model, to obtain a combined training model;

controlling the target training engine to stop training in response to detecting a combination termination request of the target user, and storing a combined training model when the training is stopped to a target model base;

acquiring a query interface in response to detecting a query operation of the target user;

extracting, from the target model base, historical records and state information of a model having an interface the same as the query interface, and controlling the target device to display the historical records and the state information; and

determining the processing result as a measurement result, and controlling a target device with a display function to display the measurement result.

2. The method according to claim 1, wherein a training sample in the training sample set comprises a sample data set and a sample processing result, and the deep learning network is trained by taking the sample data set as input and the sample processing result as expected output.

3. A data measurement apparatus, comprising:

an acquisition unit configured to acquire a data set;

a processing unit configured to input the data set to a pre-trained deep learning network, and output a processing result, wherein the deep learning network is trained through a training sample set, and the training of the deep learning network comprises:

acquiring identity information of a target user in response to receiving a training request of the target user;

verifying the identity information and determining whether the verification is passed;

controlling a target training engine to start training in response to determining that the identity information passes the verification;

verifying, in response to detecting a selection operation of the target user for a training model in a training model base, the target training engine to determine whether the verification is passed;

transmitting, in response to determining that the target training engine passes the verification, an initial model to a terminal device of the target user;

training the initial model by using the acquired training sample set, to obtain a trained initial model;

aggregating, by using the target training engine, at least one model stored by the terminal device and the trained initial model, to obtain a combined training model;

controlling the target training engine to stop training in response to detecting a combination termination request of the target user, and storing a combined training model when the training is stopped to a target model base;

acquiring a query interface in response to detecting a query operation of the target user;

extracting, from the target model base, historical records and state information of a model having an interface the same as the query interface, and controlling the target device to display the historical records and the state information; and

a display unit configured to determine the processing result as a measurement result, and control a target device with a display function to display the measurement result.

4. An electronic device, comprising:

one or more processors; and

a storage apparatus storing one or more programs;

the one or more programs, when executed by the one or more processors, causing the one or more processors to perform the method according to claim 1.

5. A computer-readable medium, storing a computer program, wherein, when the program is executed by a processor, the method according to claim 1 is performed.