CLAIMS

What is claimed is:

1. A named entity recognition method, comprising:

recognizing to-be-recognized data based on a general model to obtain initial prediction data;

recognizing the to-be-recognized data based on a Nth deep learning model to obtain Nth prediction data, the Nth deep learning model being obtained by training an initial model based on Nth training data, N being a positive integer;

determining (N+1)th training data according to the initial prediction data and the Nth prediction data; and

training the initial model based on the (N+1)th training data to obtain a (N+1)th deep learning model, the (N+1)th deep learning model being configured for entity recognition,

wherein the determining the (N+1)th training data according to the initial prediction data and the Nth prediction data comprises:

determining Nth difference data between the initial prediction data and the Nth prediction data;

determining a Nth generalized vocabulary in the Nth difference data in response to a selection operation of a user; and

screening the initial prediction data based on the Nth generalized vocabulary to obtain the (N+1)th training data.

2. The method according to claim 1, wherein subsequent to the recognizing the to-be-recognized data based on the general model to obtain initial prediction data, the method further comprises:

determining an initial generalized vocabulary in the initial prediction data in response to a selection operation of a user; and

screening the initial prediction data based on the initial generalized vocabulary to obtain 1st training data, wherein the 1st training data is used to train the initial model to obtain a 1st deep learning model.

3. The method according to claim 1, wherein the determining the Nth difference data

between the initial prediction data and the Nth prediction data comprises:

subtracting the Nth prediction data from the initial prediction data to obtain the Nth difference data.

4. The method according to claim 1 or 2, wherein the number of non-generalized entities comprised in the (N+1)th training data is greater than the number of non-generalized entities comprised in the Nth prediction data.

5. The method according to claim 1 or 2, wherein the number of generalized entities comprised in the (N+1)th training data is greater than the number of generalized entities comprised in the Nth training data.

6. The method according to claim 1, wherein prior to the recognizing the to-be-recognized data based on the general model to obtain the initial prediction data, the method further comprises:

acquiring review data;

sorting the review data based on user ratings and data lengths; and

extracting a preset number of pieces of review data evenly in a sorted order to obtain the to-be-recognized data.

7. A named entity recognition apparatus, comprising:

a processing module configured to recognize to-be-recognized data based on a general model to obtain initial prediction data;

the processing module being further configured to recognize the to-be-recognized data based on a Nth deep learning model to obtain Nth prediction data, the Nth deep learning model being obtained by training an initial model based on Nth training data, N being a positive integer;

a determination module configured to determine (N+1)th training data according to the initial prediction data and the Nth prediction data; and

a training module configured to train the initial model based on the (N+1)th training data to obtain a (N+1)th deep learning model, the (N+1)th deep learning model being configured for entity recognition,

wherein the determination module is configured to:

determine Nth difference data between the initial prediction data and the Nth prediction

data;

determine a Nth generalized vocabulary in the Nth difference data in response to a selection operation of a user; and

screen the initial prediction data based on the Nth generalized vocabulary to obtain the (N+1)th training data.

8. An electronic device, comprising a memory configured to store computer program instructions and a processor configured to execute the program instructions, wherein when the program instructions are executed by the processor, the electronic device is caused to perform the method according to any one of claims 1 to 6.

9. A computer-readable storage medium, wherein the computer-readable storage medium comprises a stored program, wherein when the program is run, a device where the computer-readable storage medium is located is controlled to perform the method according to any one of claims 1 to 6.