CLAIMS

1. A human-computer dialogue method comprising, by one or more computer devices:

acquiring a user statement for a current round;

determining, from one or more candidate tables, one or more target tables that match the

user statement;

parsing the user statement for the current round to obtain a first query statement, wherein

parsing the user statement further comprising:

generating a sample query statement related to each candidate table in the one or more candidate tables;

converting the sample query statement into a first natural language statement;

obtaining training data according to the sample query statement related to each candidate table and the first natural language statement;

performing model training according to the training data to obtain the preset model; and

taking the one or more target tables and the user statement for the current round as inputs of a preset model to obtain the first query statement through the preset model;

querying from the one or more target tables according to the first query statement to obtain target data, wherein querying from the one or more target tables further comprising:

processing the first query statement according to a historical query statement corresponding to a user historical statement in historical dialogue data, a conversation

action corresponding to the user statement for the current round, and a system state corresponding to the historical dialogue data, to obtain a second query statement; and

querying from the one or more target tables according to the second query statement to obtain the target data;

wherein:

the conversation action is obtained according to the historical query statement and the first query statement, and the conversation action comprises adding a query condition, deleting the query condition and modifying the query condition; and

the system state corresponding to the historical dialogue data is used to characterize whether a historical system reply in the historical dialogue data is a query statement;

and

generating a system reply for the current round according to the target data.

2. The method according to Claim 1, wherein generating the system reply for the current round according to the target data comprises: generating the system reply for the current round according to the target data and the user statement for the current round.

3. The method according to Claim 1, wherein performing the model training according to the training data comprises: training a pre-trained model according to the training data to obtain the preset model, the pre-trained model being a model trained in advance according to table information.

4. The method according to Claim 1, wherein obtaining the training data according to the sample query statement related to each candidate table and the first natural language statement comprises: replacing a keyword in the first natural language statement with a synonym or a synonymous phrase corresponding to the keyword to

obtain one or more second natural language statements corresponding to the sample query statement; and

obtaining the training data according to the sample query statement related to each candidate table, the first natural language statement and the one or more second natural language statements.

5. An electronic device, comprising:

a memory;

a processor; and

a computer program;

wherein the computer program is stored in the memory and configured to be executed by the processor to implement the following steps:

acquiring a user statement for a current round;

determining, from one or more candidate tables, one or more target tables that match the user statement;

parsing the user statement for the current round to obtain a first query statement, wherein

parsing the user statement further comprising:

generating a sample query statement related to each candidate table in the one or more candidate tables;

converting the sample query statement into a first natural language statement;

obtaining training data according to the sample query statement related to each candidate table and the first natural language statement;

performing model training according to the training data to obtain the preset model; and

taking the one or more target tables and the user statement for the current round as inputs of a preset model to obtain the first query statement through the preset model;

querying from the one or more target tables according to the first query statement to obtain target data, wherein querying from the one or more target tables further comprising:

processing the first query statement according to a historical query statement corresponding to a user historical statement in historical dialogue data, a conversation action corresponding to the user statement for the current round, and a system state corresponding to the historical dialogue data, to obtain a second query statement; and

querying from the one or more target tables according to the second query statement to obtain the target data;

wherein:

the conversation action is obtained according to the historical query statement and the first query statement, and the conversation action comprises adding a query condition, deleting the query condition and modifying the query condition; and

the system state corresponding to the historical dialogue data is used to characterize whether a historical system reply in the historical dialogue data is a query statement;

and

generating a system reply for the current round according to the target data.

6. The electronic device according to Claim 5, wherein generating the system reply for the current round according to the target data comprises: generating the system

reply for the current round according to the target data and the user statement for the current round.

7. A non-transitory computer-readable storage medium, on which a computer program is stored, wherein the computer program, when executed by a processor, implements the following steps:

acquiring a user statement for a current round;

determining, from one or more candidate tables, one or more target tables that match the user statement;

parsing the user statement for the current round to obtain a first query statement, wherein

parsing the user statement further comprising:

generating a sample query statement related to each candidate table in the one or more candidate tables;

converting the sample query statement into a first natural language statement;

obtaining training data according to the sample query statement related to each candidate table and the first natural language statement;

performing model training according to the training data to obtain the preset model; and

taking the one or more target tables and the user statement for the current round as inputs of a preset model to obtain the first query statement through the preset model;

querying from the one or more target tables according to the first query statement to obtain target data, wherein querying from the one or more target tables further comprising:

processing the first query statement according to a historical query statement corresponding to a user historical statement in historical dialogue data, a conversation

action corresponding to the user statement for the current round, and a system state corresponding to the historical dialogue data, to obtain a second query statement; and

querying from the one or more target tables according to the second query statement to obtain the target data;

wherein:

the conversation action is obtained according to the historical query statement and the first query statement, and the conversation action comprises adding a query condition, deleting the query condition and modifying the query condition; and

the system state corresponding to the historical dialogue data is used to characterize whether a historical system reply in the historical dialogue data is a query statement;

and

generating a system reply for the current round according to the target data.