脱逻辑系统

De-logicalized System

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摘要 Abstract

思想是使用逻辑对客观世界认知的结果。逻辑是工具，产生认知又限制认知。语言承载着逻辑，语言是思想的边界。语言的脱逻辑就成为全新逻辑产生的前提。

Thought is the result of using logic to understand the objective world. Logic is a tool that generates cognition but also restricts it. Language carries logic and is the boundary of thought. The illogicality of language becomes the prerequisite for the generation of brand-new logic.

关键词 Keywords

逻辑、脱逻辑

logic、de-logicalized

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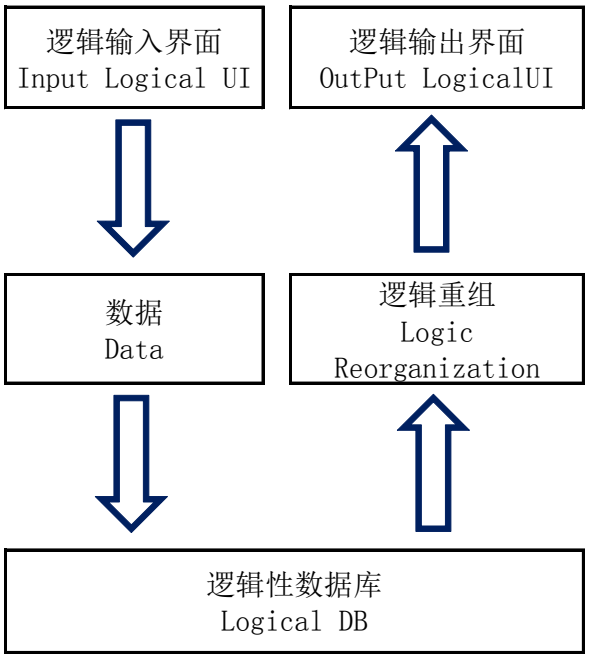
CATALOG

一、 传统的系统逻辑处理

Traditional Logic Processing System

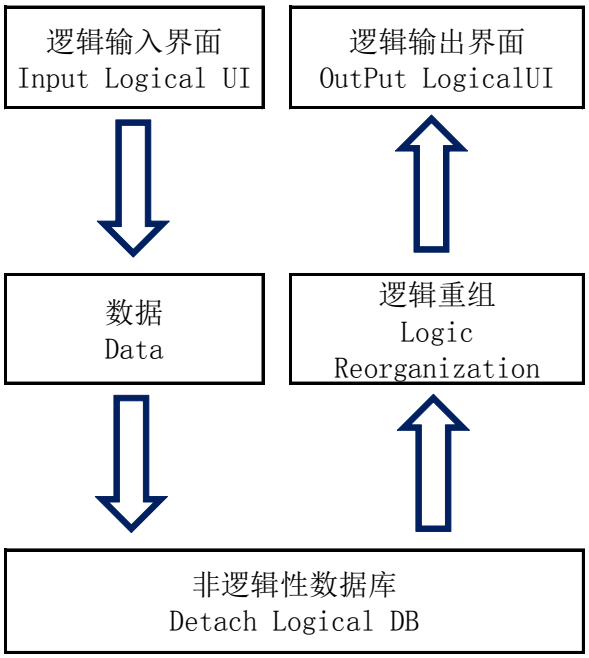


逻辑型数据库的逻辑，也就是数据结构，是根据输入界面和输出界面的逻辑来架构的。逻辑重组是将数据库中的数据加工成输出界面的逻辑，并传递给输出界面。

The logic of a logical database, that is, the data structure, is constructed based on the logic of the input interface and the output interface. Logical reorganization involves processing the data in the database into the logic of the output interface and passing it to the output interface.

二、 脱逻辑的系统逻辑处理

De-logicalized Logic Processing System



非逻辑性数据库的数据结构与输入和输出的逻辑脱离，是纯粹的为了数据存储的数据管理逻辑。这样虽然完成了数据的脱逻辑，但是仍然有三个问题没有解决：

The data structure of an illogical database is detached from the logic of input and output, and it is purely a data management logic for data storage. Although the data has been de-logicalized in this way, there are still three problems that have not been solved:

1. 输入没有脱逻辑，并且需要人工决定逻辑并形成界面。

   The input is not illogical and the logic needs to be determined manually to form the interface.

2. 输出没有脱逻辑，不仅需要人工决定逻辑，逻辑需求得不到满

足的情况依旧。

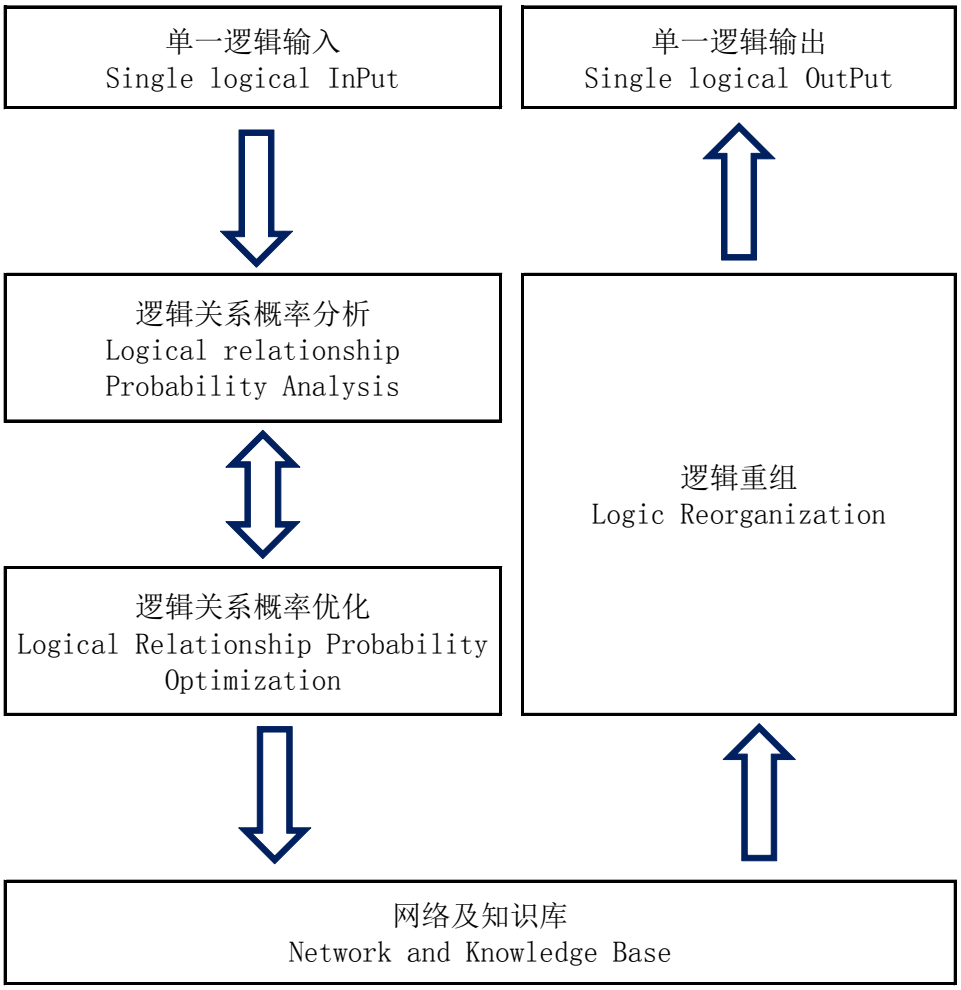
The output does not deviate from logic. Not only does it require manual determination of logic, but the situation where logical requirements are not met still persists.

3. 逻辑重组需要根据输出逻辑固化在程序代码中。

Logical reorganization needs to be solidified in the program code based on the output logic.

三、 现行大语言模型的逻辑处理

Logical Processing of Current Large Language Models



此模型中的 token 就是脱逻辑的数据。数据间的逻辑关系是通过概率分析完成的。深度学习不仅在发掘和整合输出逻辑是发挥作用，同时也通过不断调整各个逻辑关系的概率权重来实现尽可能精准地把握逻辑关系。

The token in this model is de-logicalized data. The logical

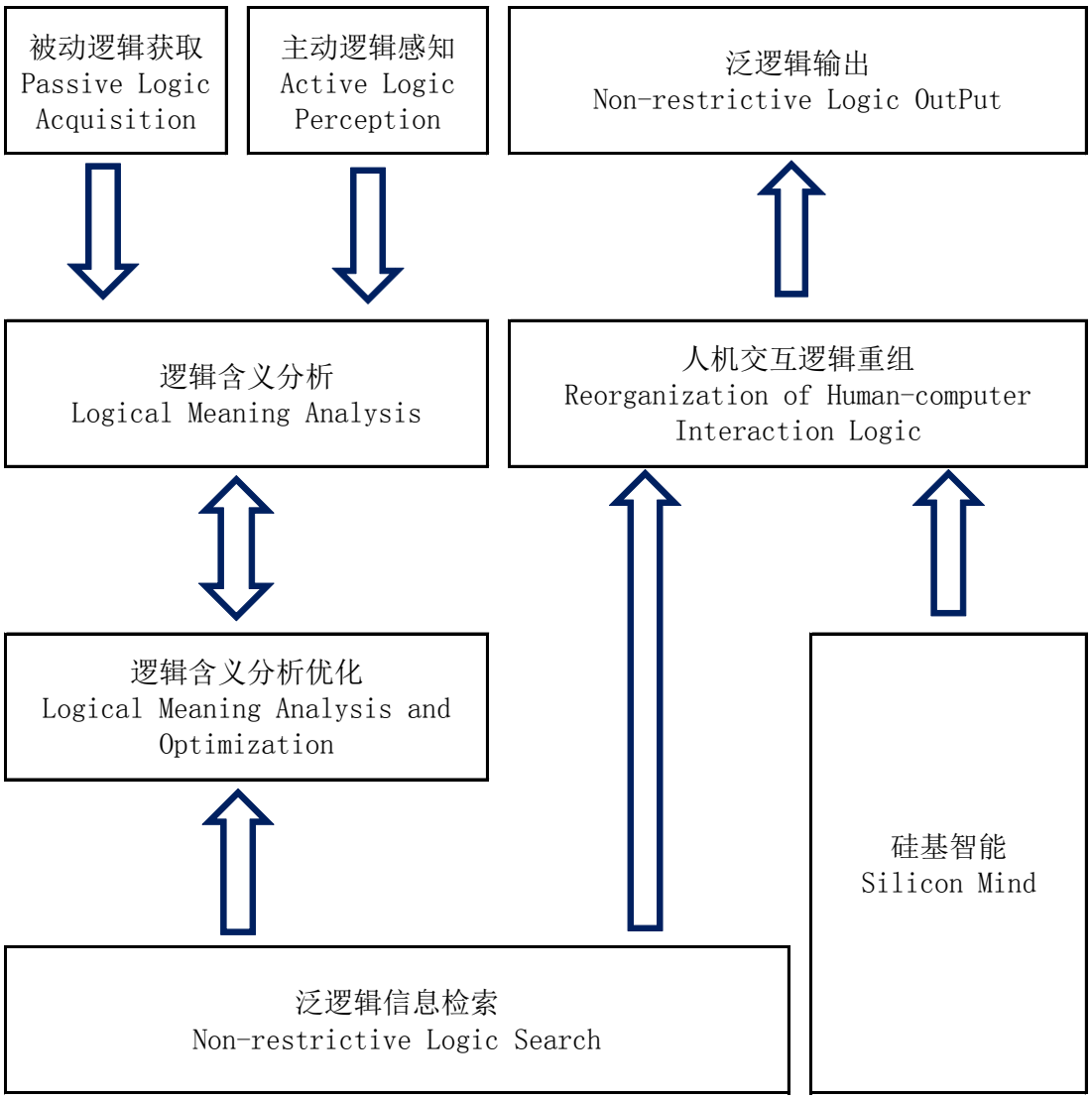
relationships among the data are accomplished through probability analysis. Deep learning not only plays a role in discovering and integrating output logic, but also achieves the most accurate grasp of logical relationships by constantly adjusting the probability weights of each logical relationship.

因为逻辑精准性差，此模型更多的适合于逻辑严谨性要求不太高的人际交流。

Due to its poor logical accuracy, this model is more suitable for interpersonal communication where the requirement for logical rigor is not very high.

四、 理想的系统逻辑处理

Ideal System Logic Processing



产生新的逻辑单元和逻辑关系，是硅基智能的目的。只有摆脱了人的逻辑局限的新逻辑，才能成为人工智能真正的逻辑创造力。

The aim of silicon-based intelligence is to generate new logical units and relationships. New logic that breaks free from the limitations of human logic can become the true logical creativity of AI.