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Abstract
In this thesis, we develop two clustering methods to discover the most possibly caused diseases of a patient"s symptoms and the most possibly showed symptoms of a disease from patients' diagnosis data, respectively.

Then we construct a website according the methods. Users can input symptoms to query the most possibly caused diseases of the symptoms, or input a disease to query the most possibly showed symptoms of the disease. The results can provide very useful information to diagnose for doctors, and to keep health care for the people oneself. Moreover, we propose a Boolean algorithm to improve the performance of the previous.
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