Ranking of site pages is for showing important web pages to client inquiry; it is one of the essential issues in any web search index tool. Today’s need is to get significant data to client inquiry.

Importance of web pages is depending on the interest of users. There are two ranking algorithms utilized to demonstrate the current ranking framework. One is PageRank, and another is BM25 calculation. Reinforcement learning strategy learns from every connection with a dynamic environment. In this paper, Reinforcement learning (RL) ranking algorithm is proposed. In this learner, a specialist learns through interacting with a dynamic environment and gets reward for an activity performed. Every site page is considered as a state, and a fundamental point is to discover the score of the website page. Score of website pages is identified with the number of out connections from the current website page. Rank scores in RL rank as considered in a recursive way. Along these lines, we can enhance outcomes with the help of RL method in ranking algorithm.
A Technique for Web Page Ranking by Applying Reinforcement Learning

References


Index Terms

Computer Science Algorithms

Keywords

Ranking, Search engine, Agent, Value function, Reinforcement Learning, Artificial intelligence