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### About J-index

As we all know, whichever word of a paper must have its own topic. Now, we assume the amount of papers is N, the amount of the papers is K, all the words are from the N papers & K topics. And the word is created or cited is not sure. We use J-index to judge the words value and presents the value of the paper.

### About Page Rank

The paper which was cited are different because of the papers who are citing them. Normally, that is to say, more valuable papers who are citing it have more positive influence on the paper cited. I will introduce the recursion algorithm

### About Word Frequency

As we can see, the amount of the words of a field is enormous. But there must be overlapped words in papers, and in this way we assume the frequency of the words presents the value of the word to some extent. Graphical Step

### **About Imaging**

As we can see, the most visual way to present something is graph. And I would like to show the Reference value of the paper and the connections of papers in the graph.



About Normalization People also want to value the level of the papers from different fields. So I would like to create a Normalization way to help to make the evaluation come true.

### Key Point

## Gibbs Sampling & Random distribution

- Choose a topic
- A certain Sample
- Reference Connection
- Stop word & Stem Word



### Page Rank Algorithm

- Circulation Algorithm
- Stable Condition
- Boundary Condition

### **Normalization condition**

- Similar Field
- Score map







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Thank You!