<u>k-dominant Skyline query algorithm</u> <u>for dynamic datasets</u>

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Problems & Ideas

- Most k-dominant Skyline query algorithms are oriented to static datasets
- We proposes a k-dominant Skyline query algorithm for dynamic datasets.

1 First, we compute the dominant ability of each object and sort objects in descending order by dominant ability.

2 Then, we maintain an inverted index of the dominant index by kdominant Skyline point calculation algorithm.

3 The k-dominant Skyline point of the new data set is obtained by inserting and deleting algorithm.

Main Contributions

• The query algorithm can effectively improve query efficiency.



Experimental results of NBA data set