

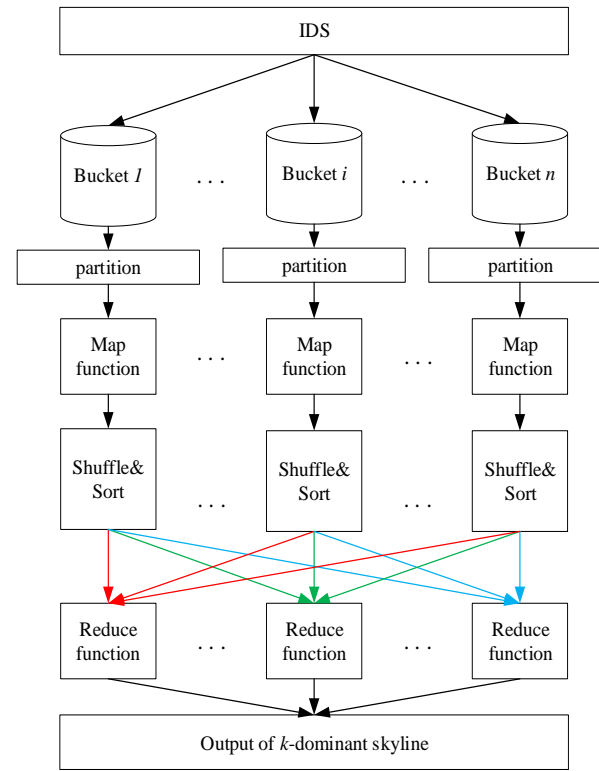
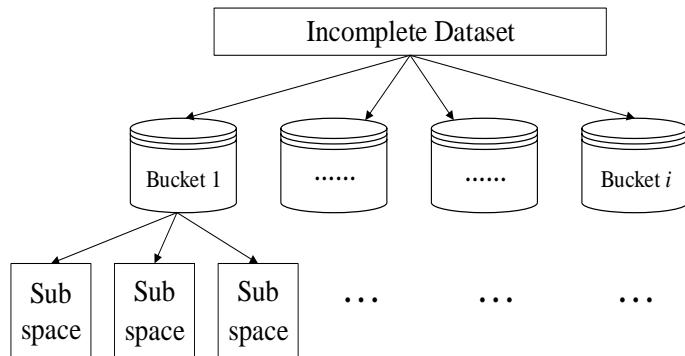
# Efficient $k$ -dominant skyline query over incomplete data using MapReduce

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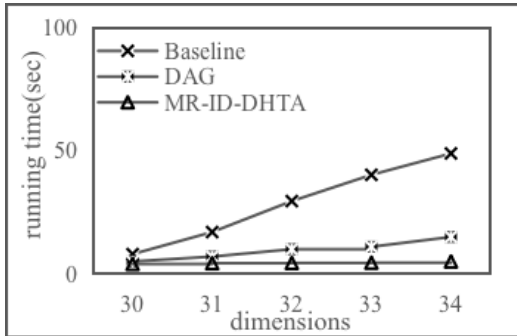
# Problems & Ideas

- Problems of skyline and  $k$ -dominant skyline query over incomplete data
  - Large result set as well as restricted query condition
  - Query efficiency and the result cannot be shared
- Ideas: Index structure and algorithm in distributed environment
  - Incomplete data based on Dominate Hierarchical Tree on (ID-DHT)
  - MapReduce Incomplete Data based on Dominant Hierarchical Tree Algorithm (MR-ID-DHTA)

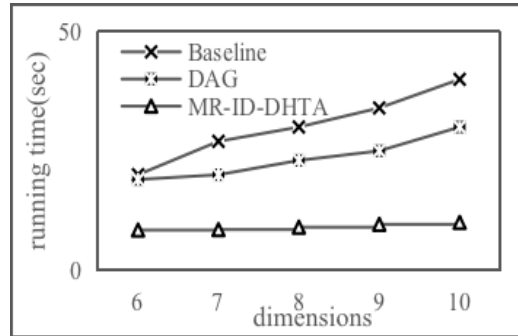


# Main Contributions

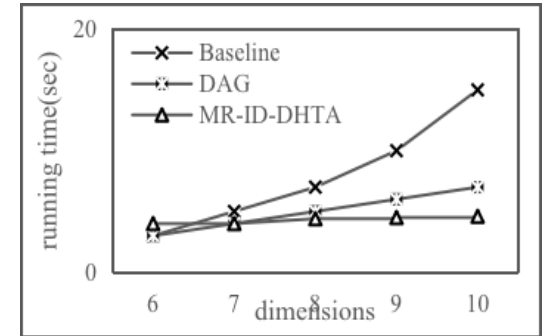
- **running time with change of cardinalities**



a) NBA Dataset

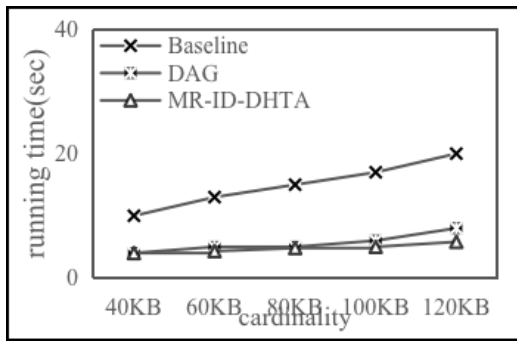


b) Books Borrowing Dataset

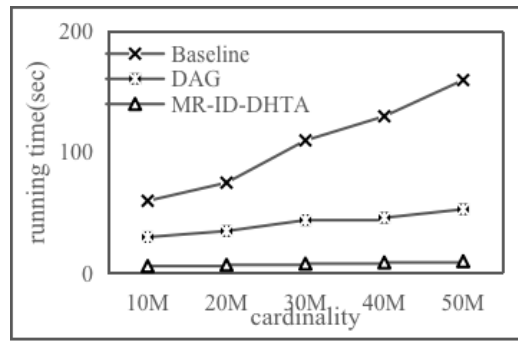


c) Synthetic Dataset

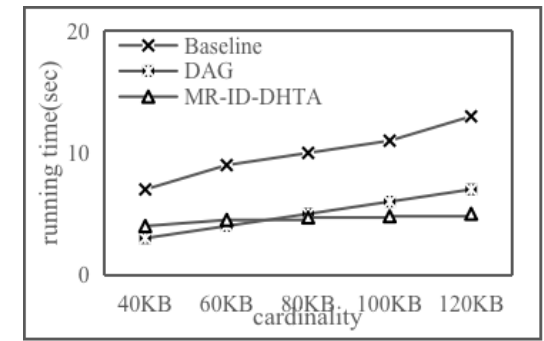
- **running time with change of dimensions**



a) NBA Dataset



b) Books Borrowing Dataset



c) Synthetic Dataset