

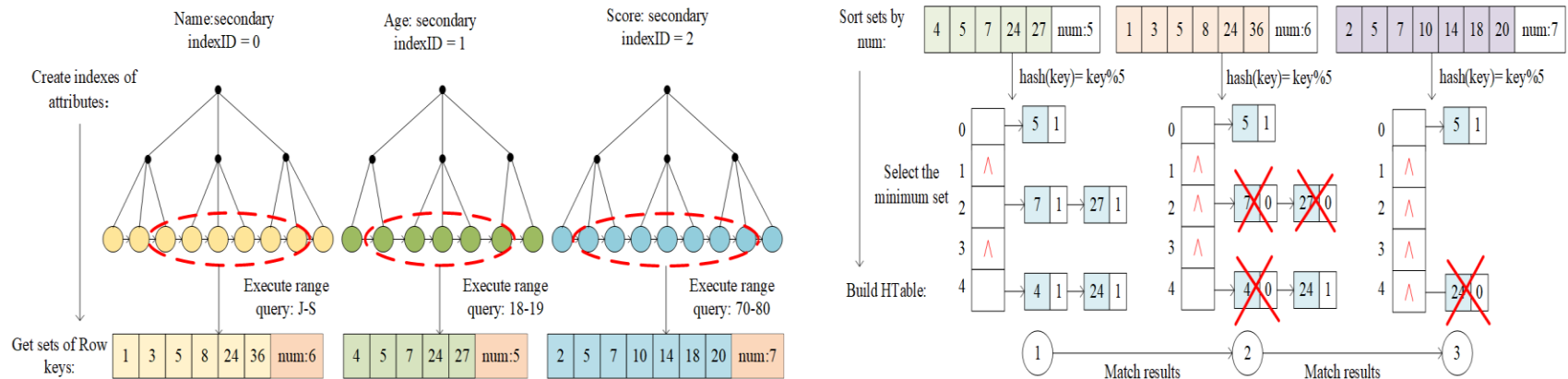
# An efficient indexing structure for multi-dimensional range query

**Shanshan CHEN, Guiping ZHOU, Xingdi AN**

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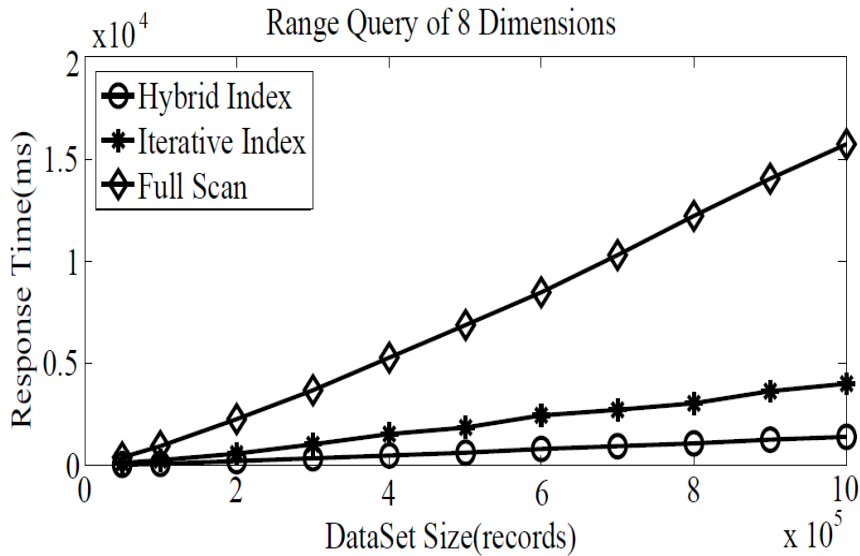
# Problems & Ideas

- Problems of multi-dimensional range query(MDRQ) based on multi-dimensional data storage
  - To carry out big data analysis tasks better, multi-dimensional index technology is demanding, which is not yet supported by most NoSQL databases.
- Ideas: A novel indexing method with hybrid index structure
  - The hybrid index structure associates independent multiple B+-tree index structures with multiple hash structures to support MDRQ, and use specific hash table and flags to achieve fast result matching.



# Main Contributions

- **Response time**



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