Theory: conventional query paradigm no longer suffices

- a new paradigm: query big data with constrained resources
- a data-driven approximation scheme
- fundamental issues: model and complexity bounds

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Summary

System: provide small companies with big data services

- BEAS: querying big data with constrained resources

Applications:

- Wherever SQL is used
- On top of any commercial RDBMS (MySQL, Postgres) and key-value systems (RocksDB, Cassandra)

One step further towards a practical solution to querying big data

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