Towards Cost-Optimal Query Processing in the Cloud

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Our Vision

- cloud analytics as a commodity
- workload cost as the primary metric
- model points way to cost-optimality
- per-workload hardware choice

Model Predictions

- instance choice has a huge impact
- fast networking is a game changer
- scale up first, then scale out
- current systems are inefficient

Snowset Operators

- almost 50% is spent in scan
- DML is important and complex
- no sort in TPC-*
- aggregation is equal to join time