Evaluating Cost of Cloud Execution in a Data Repository

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Costs of Cloud Execution

- A component of total cost
- Different from storage and bandwidth costs
- Dependent on computing complexity, compute node capacity, and bandwidth
- Should be measured independently

What Did We Measure

Takeaways

- Distributing computing tasks on cheaper, slower instances tends to be more cost effective
- Bandwidth forms the scalability bottleneck and throttles cost effectiveness
- In certain cases, superlinearity may be observed.