

WE WILL BE DISCUSSING

PROBLEM STATEMENT

BIGQUERY

DISTRIBUTED
DESIGN OF
BIGQUERY

DEMONSTRATION

FINDINGS

Q/A

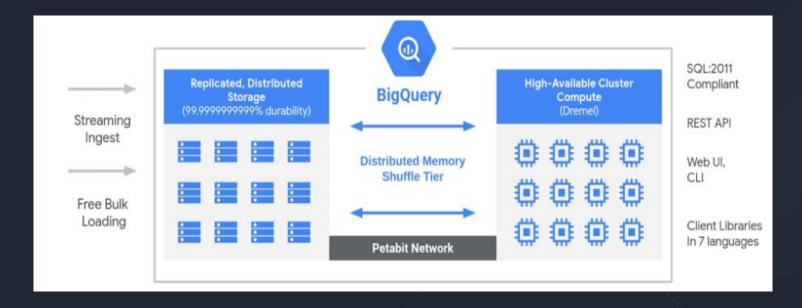
PROBLEM STATEMENT

EPIDEMIOLOGY OF COVID-19 USING GOOGLE BIGQUERY



- An enterprise data warehouse
- Part of Google Cloud Platform
- REST-based web service
- Fully-managed
- Serverless
- Scalable analysis over petabytes of data
- Platform as a Service
- Supports querying using ANSI SQL

DISTRIBUTED ASPECTS

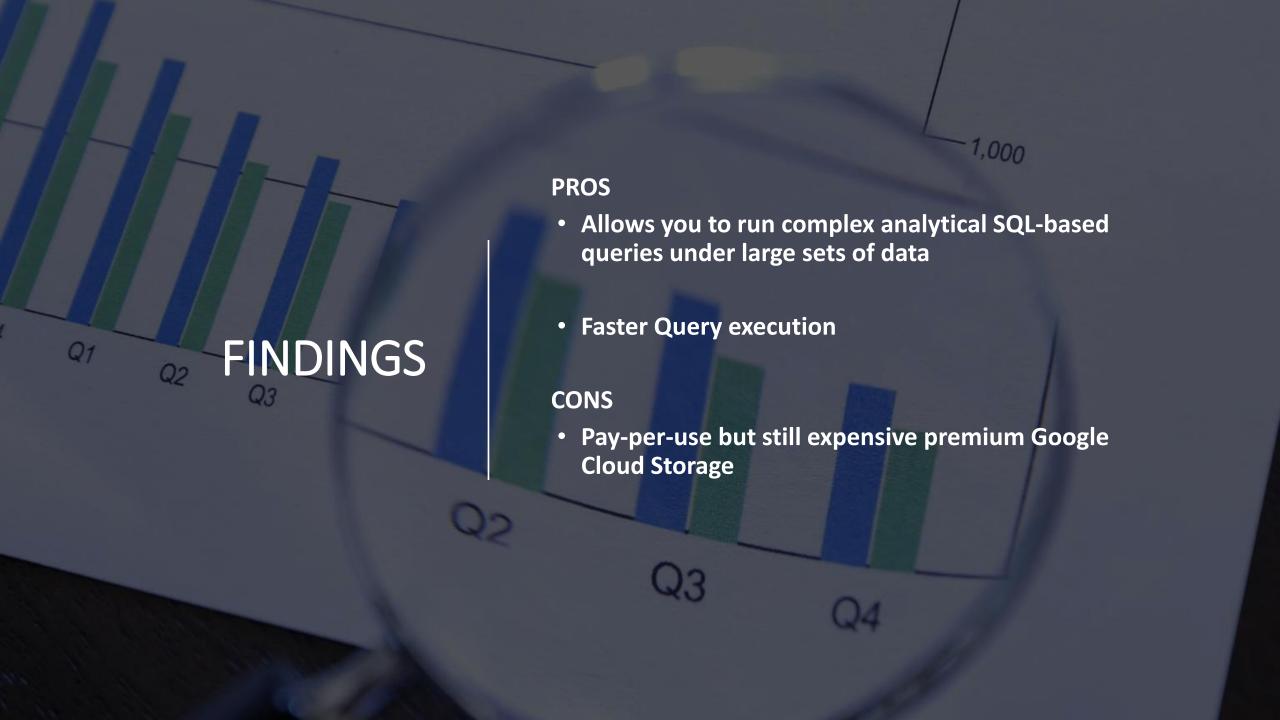


- Decoupling serverless architecture
- Compute: Borg

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- Query execution: Dremel
- Distributed File system: Colossus
- Naming: Key-value pairs
- Dremel to third-party buyers : REST API
- Fault Tolerance
- Security

DEMONSTRATION



ANY QUESTIONS?