DSA 8430
Parallel Computing for Data Analytics
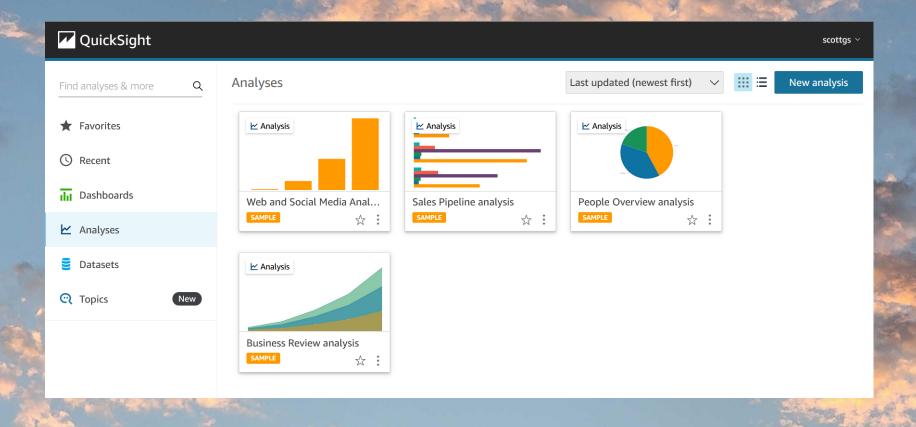
Parallel Analytics

AWS Quicksight & SPICE

GCP Data Studio

Module Topics

- Tying distributed storage and parallel computing to analytics interfaces

- AWS Quicksight
  - Powered by SPICE engine

- GCP Data Studio
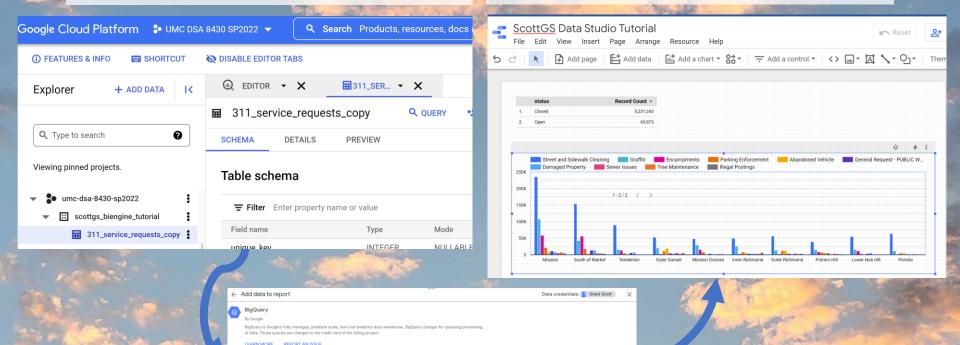 - Powered by Big Query

AWS Quicksight

AWS Quicksight

- Tutorial 1 (lab) – Creating a dashboard tied to pre-staged public data

- Tutorial 2 (practice) – Pushing data up to AWS and build a dashboard

- Exercise – Pushing data of your choice from Data.gov to create a multi-visual dashboard

- Artifacts
  - URL to dashboards
  - PDF exports of dashboard

GCP Data Studio

Tying Big Query ...

to Visualization

Divide and Conquer

GCP Data Studio

- Tutorial 1 (lab) – Creating a first dashboard tied to Big Query data

- Tutorial 2 (practice) – Computed fields in dashboards

- Exercise – Data blending dashboard

- Artifacts
  - URL to dashboards
  - PDF exports of dashboard

Pay Attention to Detail!

Start early, work methodically!

Take notes as you work through things!