CIS 9440 - Data Warehousing and Analytics

Class #7

ETL Poll

Midterm Exam next week

- <u>Date</u>: Wednesday, October 26th

- <u>Time</u>: 6:00pm - 8:00pm ET

- <u>Location</u>: Remote, on Blackboard

- <u>Format</u>: Short answer, multiple choice, matching

- <u>Open book and notes</u>: yes, you may use all class material

- <u>Percent of Final Grade</u>: 10%

Week 7 Class Overview:

1. Getting Latitude and Longitude in python

2. Creating BigQuery Service Account Key

3. ETL Workshop #2

Week 7 Class Overview:

1. **Getting Latitude and Longitude in python**

2. Creating BigQuery Service Account Key

3. ETL Workshop #2

Latitude and Longitude in python

- Lat and Long are valuable fields to have for BI
  - You can plot your locations easily in Tableau with Lat and Long
- Open a Jupyter Notebook to get started
  - .ipynb file on Blackboard now

Week 7 Class Overview:

1. Getting Latitude and Longitude in python

2. **Creating BigQuery Service Account Key**

3. ETL Workshop #2

Create a new GCP Service Account

CIS9440 ▾

service account

ALL   DOCUMENTATION & TUTORIALS   MARKETPLACE & APIS

Search results

Showing 30 of 87 results for "service account".

🛡 **Service Accounts**
IAM & Admin

Type: Product or Page
Product: IAM & Admin

Create a new Key as a JSON

- Click on your Service Account -> go to Keys tab -> create new Key as JSON

Week 7 Class Overview:

1. Getting Latitude and Longitude in python
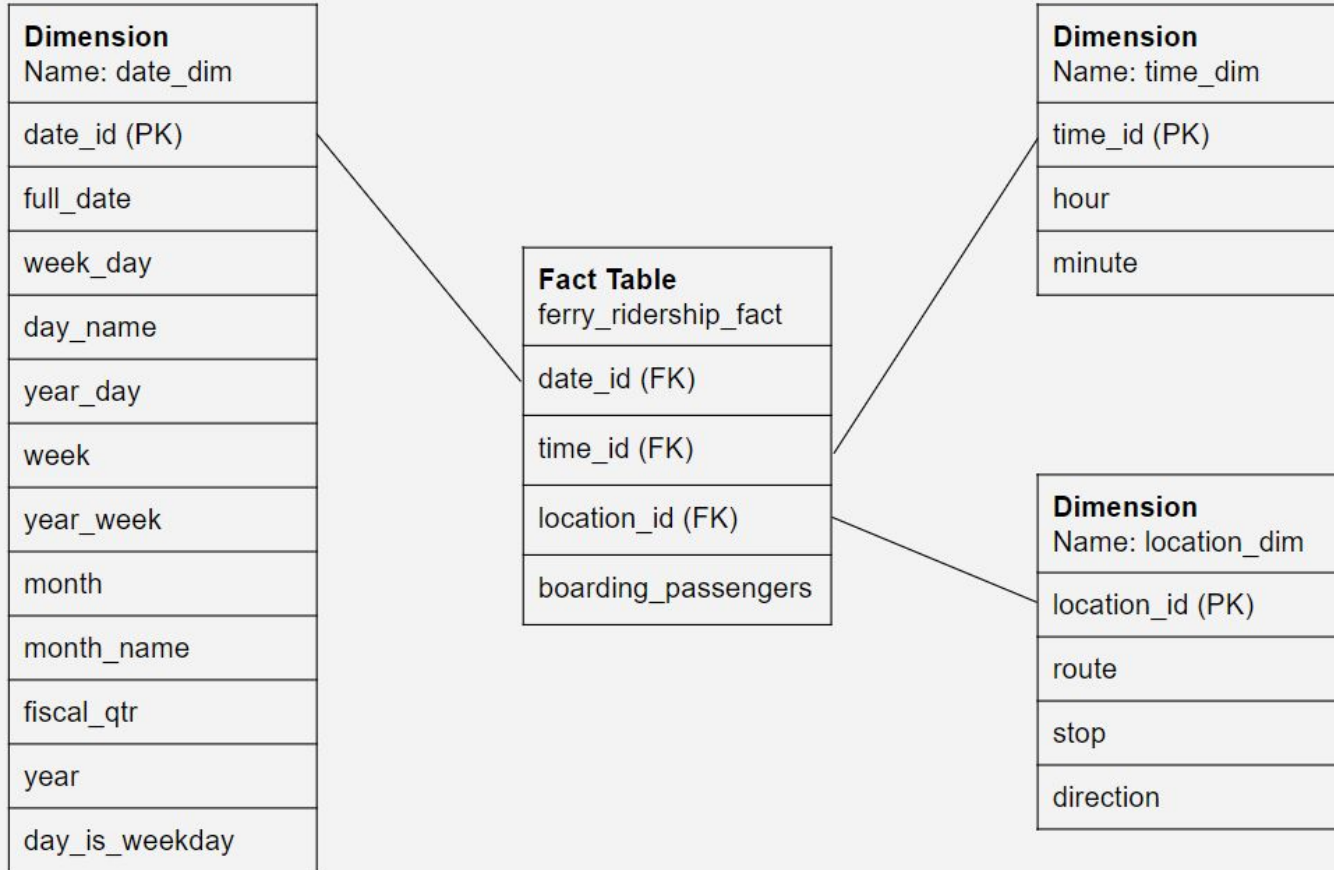
2. Creating BigQuery Service Account Key

3. **ETL Workshop #2**

ETL Workshop details

- Download and open the Jupyter Notebook "ETL_workshop_2" in this week's Blackboard folder

- NYC Open Data dataset: [NYC Ferry Ridership](#)

- Dimensional Model: [link](#)

- NYC Open Data App Token: [link](#)

- Dimensional Model KPI's:

  - Boarding Passengers by Day

  - Boarding Passengers by Hour

  - Boarding Passengers by Stop

  - Ferry Stops by Route

ETL Workshop – Dimensional Model

Homework:

1. Homework Assignment #2 on Blackboard, due 11/2/22

2. Final Project Milestone #3 on Blackboard, due 11/9/22