

Lab 1 – Tasks 1 to 3 Summary

Task 1: Get Started with BigQuery

Goal:

Set up your working environment and locate the dataset you'll use.

Steps:

1. Open the **BigQuery console** via the Navigation Menu.
 2. Locate the **fintech dataset** under the Explorer section.
 3. Confirm access to the dataset for use in the next tasks.
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Task 2: Explore the Fintech Data



Goal:

Understand the structure and contents of the dataset to identify key metrics.

Steps:

1. Open each table in the `fintech` dataset.
2. Use the **Details**, **Schema**, and **Preview** tabs to explore:
 - Table structure
 - Column names and data types
 - Sample data

Key Questions & Answers:

- **Which table and column stores the loan amount?**
 `loan` table and `loan_amount` column
 - **Which table and column stores the interest rate for each loan?**
 `loan` table and `int_rate` column
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Task 3: Import a CSV File and Create a Standard Table

Goal:

Import external data to enrich your analysis with geographic classifications.

Steps:

1. Use the provided **CSV file** from Cloud Storage:
gs://sureskills-lab-dev/future-workforce/dacapstone/temp_35_us/state_region_mapping/
2. Run the following SQL command in BigQuery to import the data:

```
SQL
LOAD DATA OVERWRITE fintech.state_region
(
  state STRING,
  subregion STRING,
  region STRING
)
FROM FILES (
  format = 'CSV',
  uris = ['gs://sureskills-lab-dev/future-workforce/dacapstone/temp_35_us/state_region_mapping/state_region_*.csv']
);
```

Afficher plus de lignes

Key Question & Answer:

- Which dataset and table will the CSV data be imported into?
 fintech dataset and state_region table

Final Step:

- Preview the newly created state_region table to verify the import.
- Click **Check my progress** to validate the task completion.