**BigQuery: Create dataset and table load data into the table**

**Objective:**

* To create a dataset and table, load data into the table in Bigquery.

**Prerequisies:**

* Access to google cloud platform with a Google/gmail id.
* Project in GCP.
* Bigquery API should be enabled.

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**Step1: Load data into a table**

* Download the data from the Canvas🡪5240🡪Modules🡪DataSets🡪babynames.zip
* Unzip the data and read the NationalReadme.

**Step 2: Create a dataset**

* Type BigQuery in the search bar and click on “BigQuery”.
* The below screen gets displayed.

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* In the “Explorer” section, select your project and hover on the three vertical dots.
* The below options are displayed.

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* Click on “Create Dataset”
* The below screen appears on the right.

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* Enter datasetID as “babynames”.
* In Location Type, select “Region” and select “us-central1(Iowa).
* Enable Table Expiration
* Set default maximum table age as 1 day
* Click on Create Dataset
* Now, the babynames dataset is created.

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**Step 3: Load data**

* Click on the three dots on the babynames dataset.
* Click on “create table”
* Select “Upload” in the “Create table from” section.
* Browse and select the file ”yob2020.txt”.
* File format as CSV.
* Enter dataset name as “babyname”.
* Enter table as “names\_2020”
* In schema enable “edit as text” and type the below text in the box.
  + name: string, gender: string, count: integer

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* Click on “Create Table”
* Now, the table is created.

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**Step 4: Verify the table and data**

* Click on the three dots on the table in the “Explorer” section.
* Select “open”
* The table opens in the right pan.
* Select the “preview” option to see the data.

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**Step 5: Cleanup**

* To avoid unnecessary charges, it is important to clean up.
* To delete table, click on the “Delete” button.

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* Type “delete” in the pop up box and click on “Delete” button

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* The table is now deleted.

**Conclusion:**

* In this activity, we created a dataset, added/uploaded data and verified that the data is present.