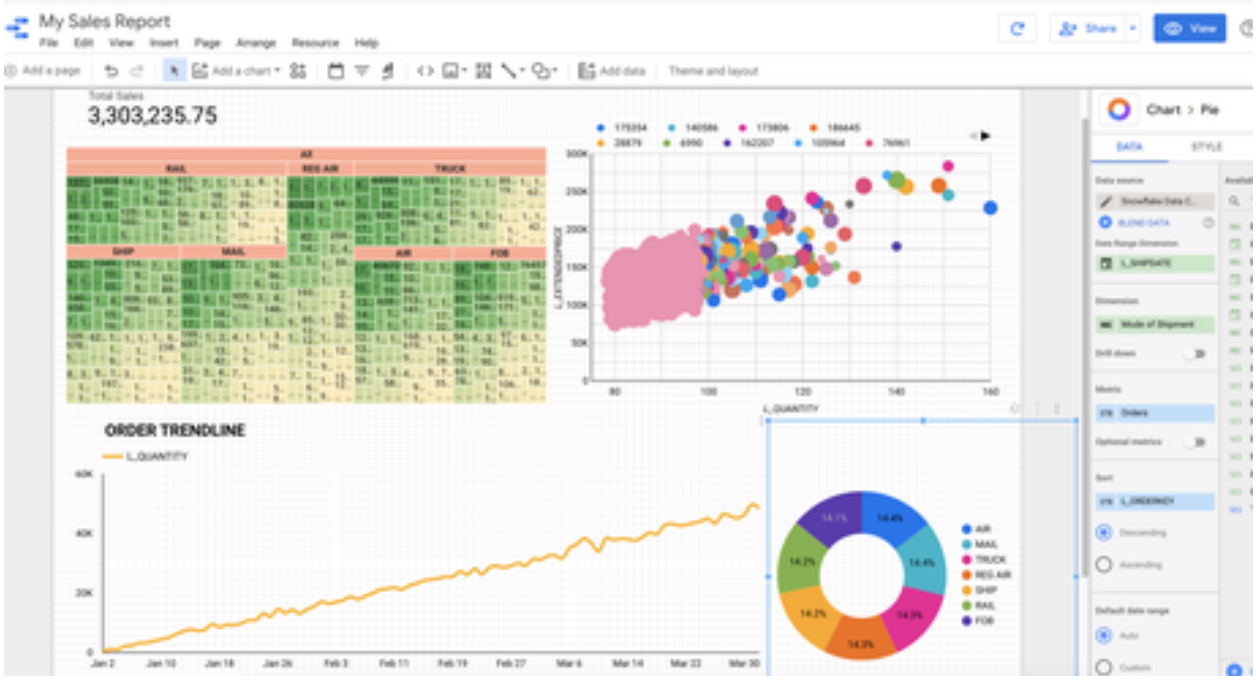
Snowflake Google Data Studio Connector - V2



This is the improved version of the original connector that is used to access Snowflake data from Google Data Studio using SQL queries.

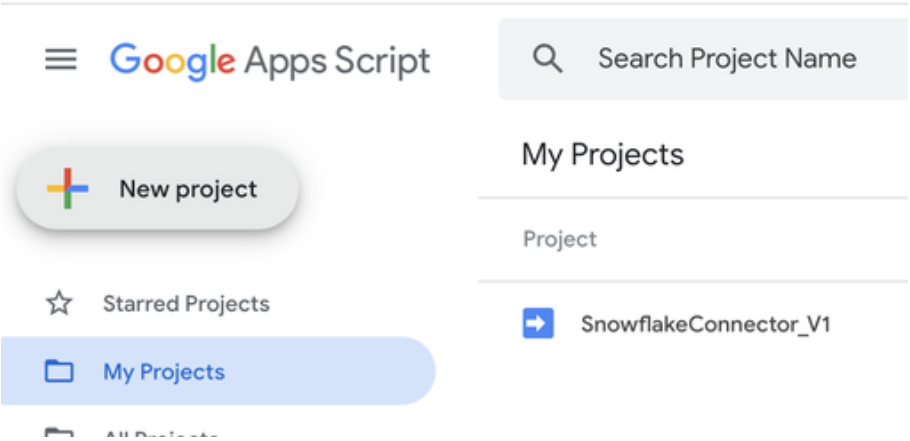
Improvements on this version are:

- Added Snowflake Logo
- Added Role (required)
- Modified Database Name to be optional
- Modified Schema Name to be optional
- Fixed a bug causing large datasets to fail.

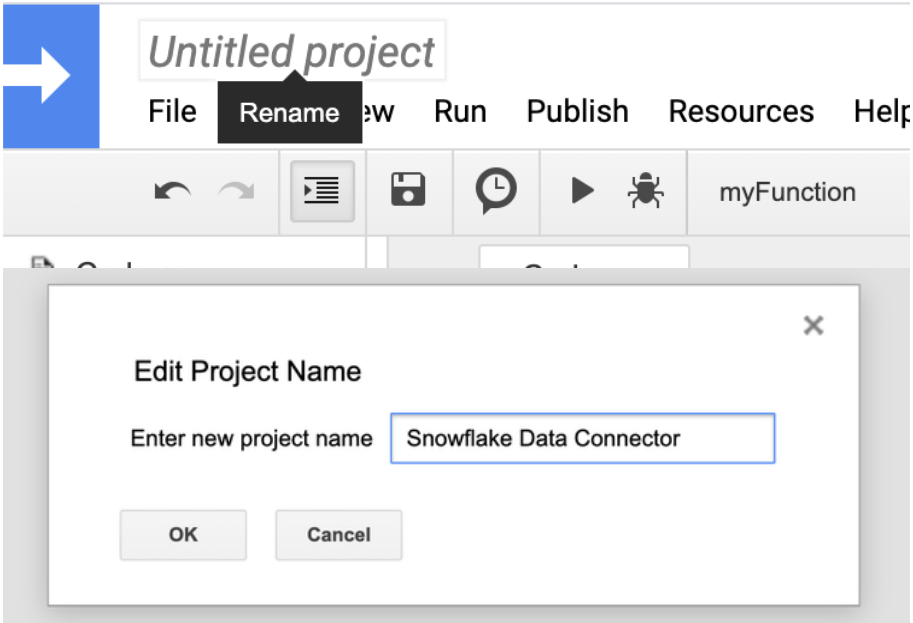
Bug Fix: The initial version was only designed to process results if the resulting dataset was part of the incoming response. Snowflake REST API will return the actual results if the result dataset is not too big. Once the query results exceed a threshold, it will place the results in multiple Blob storage areas as files and return a list of links to these files for each portion of the data. In this case, code needs to download each file from blob storage and piece the resulting data together to present as the final resultset. Original code did not have this routing and would return no results if the response was stored as files in buckets.

INSTALLATION

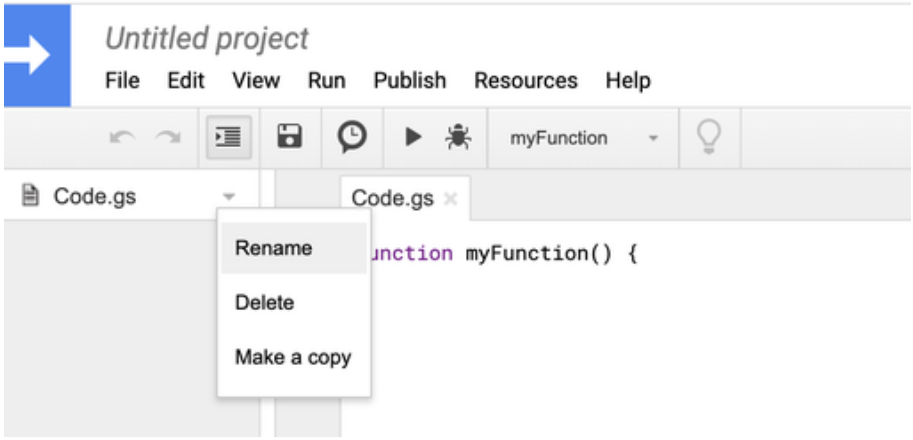
1. Browse to https://github.com/NickAkincilar/Snowflake_Google_Data_Studio_Connector/tree/master/Code & download the 3 files .
2. Login to https://script.google.com/home (*Use a personal GMAIL account as corp user may have restrictions*)
3. Create a New Project



5. Give the project a name example "Snowflake Data Connector" & Save it (*if warned about* `Enable new Apps Script runtime powered by Chrome V8 for this project.` *At any point during install. ACCEPT IT!*)



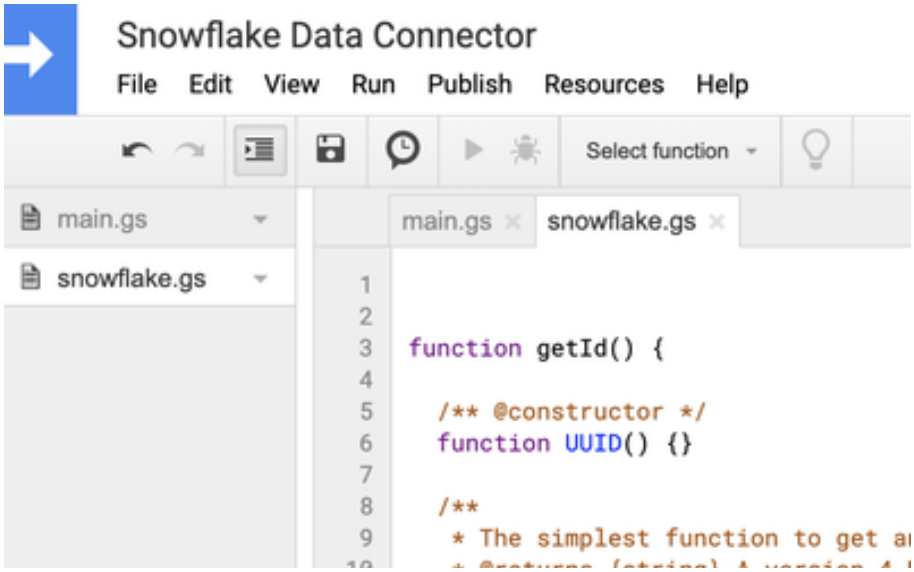
6. Rename the **Code.gs** to **main.gs**



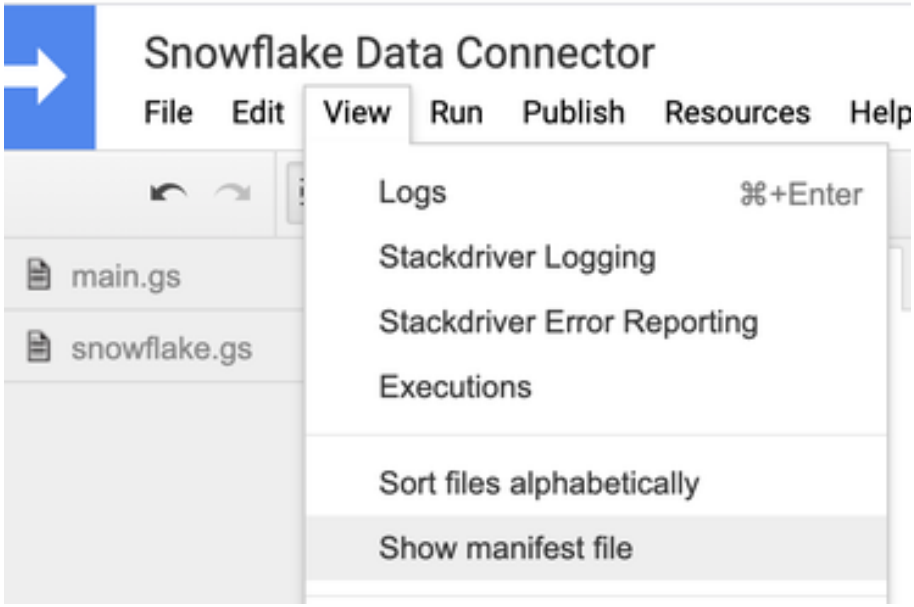
6. Copy & Paste the code from **main.gs** that you downloaded earlier into **main.gs** file in your project. Then Save it.

7. Create a new script file called "**snowflake.gs**"

8. Copy & paste the contents of **snowflake.gs** file that you downloaded into this new file.

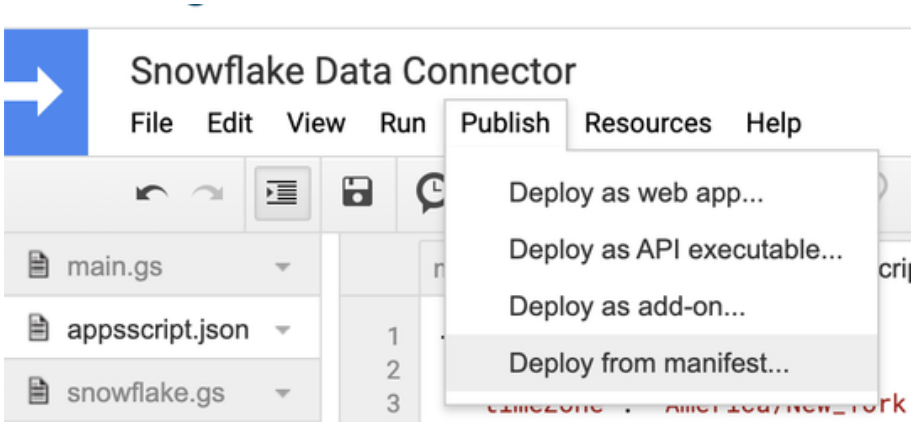


9. Click **VIEW → SHOW MANIFEST FILE**

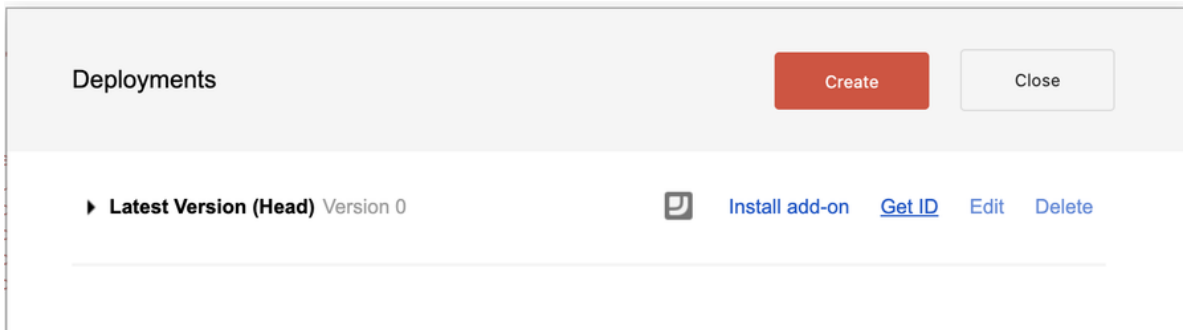


10. Open the **appscript.json** file you downloaded with a TextEditor and Copy & Paste the contents into **appscript.json** manifest file that showed up.

11. Click on **PUBLISH → DEPLOY FROM MANIFEST**



12. Click on **GET_ID**



13. Copy the **DEPLOYMENT ID** value from the pop-up window & close

14. Installation & Deployment is finished!

USAGE

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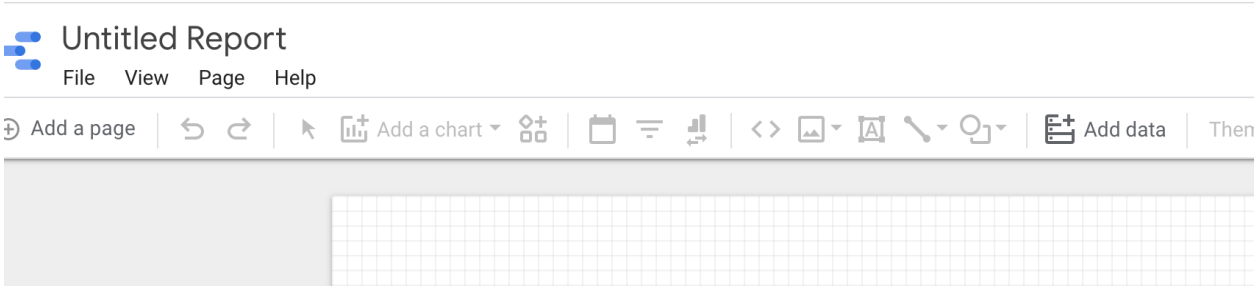
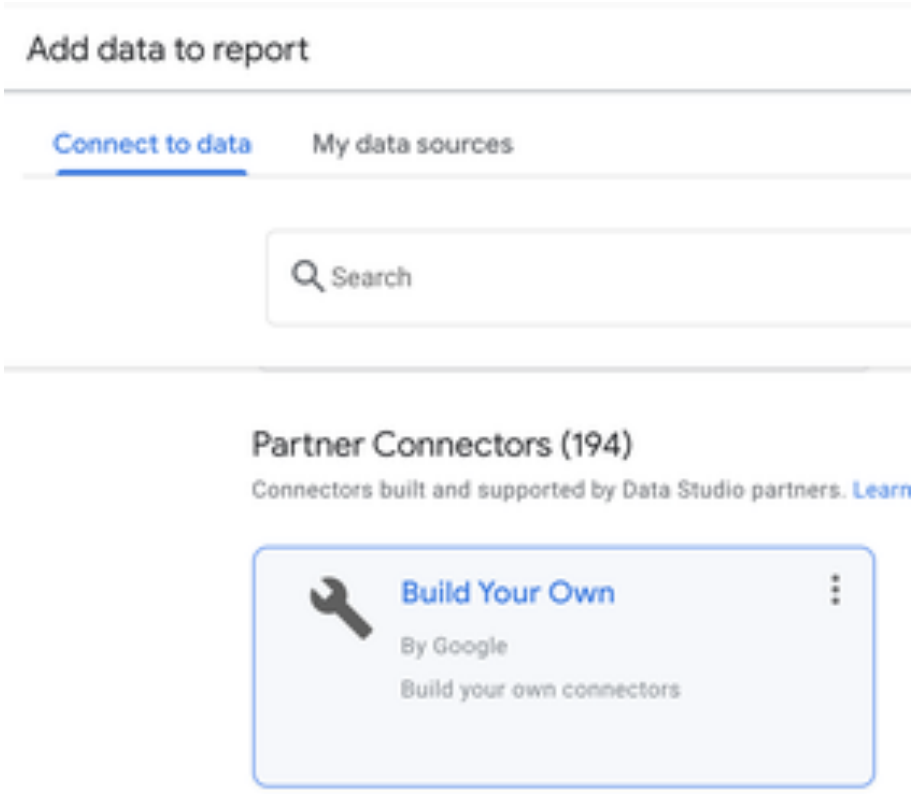
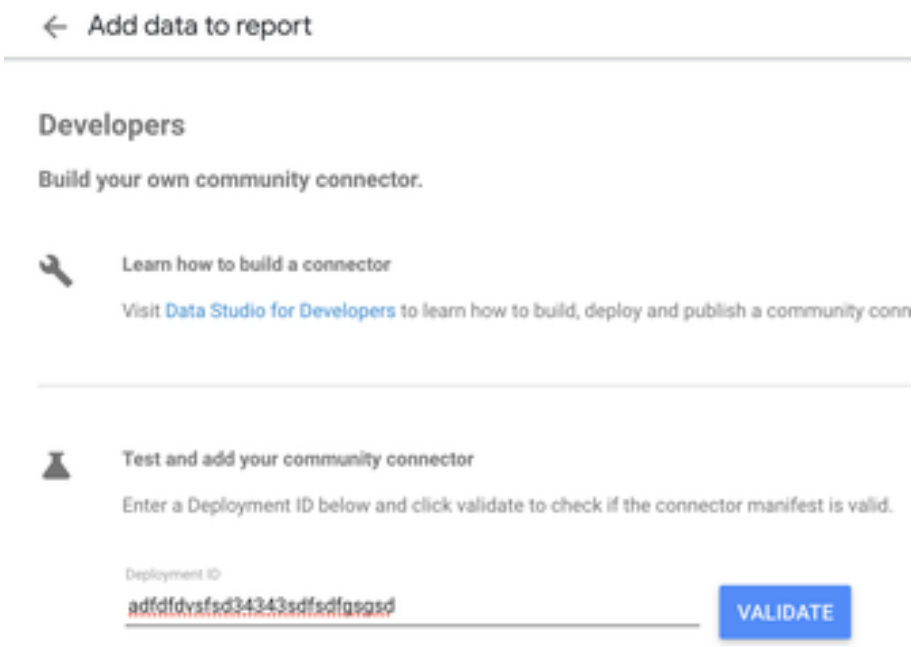
1. Browse to https://datastudio.google.com/ and login with your personal account(*corp account may work but could have restrictions*).
2. Create a new Google Data Studio
3. Click on ADD DATA



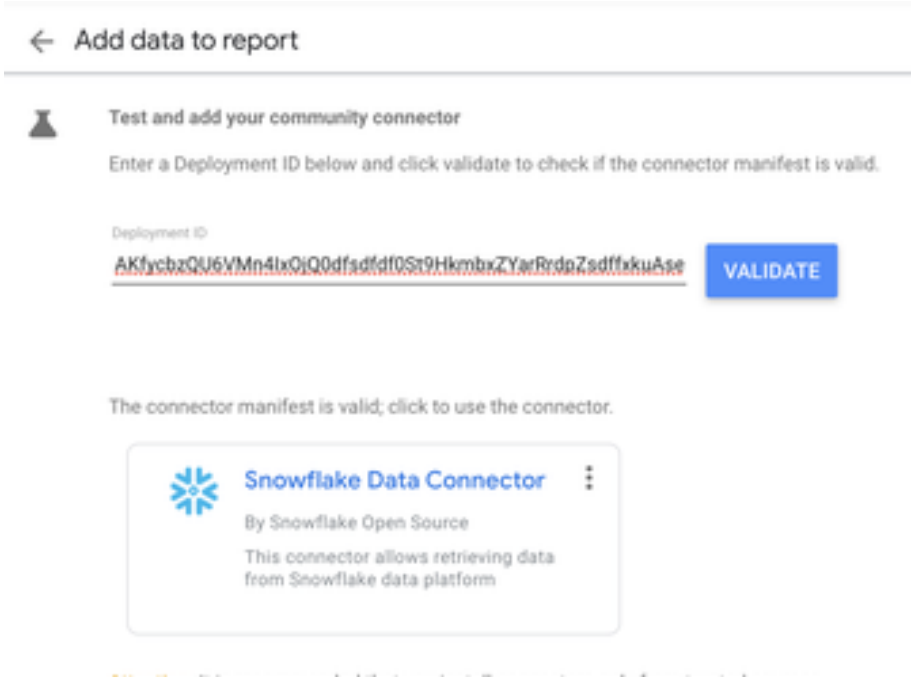
4. Scroll down & choose to **BUILD YOUR OWN** under **PARTNER CONNECTORS** section



5. Paster the **DEPLOYMENT ID** value from the install step then **CLICK VALIDATE**



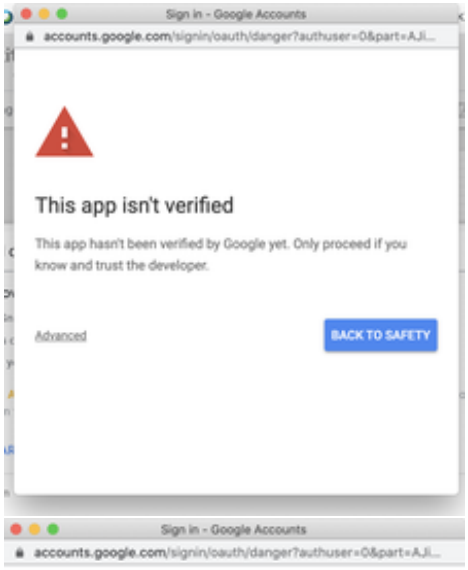
6. Click on the connector with **Snowflake Data Connector Logo** that appears after clicking **VALIDATE**

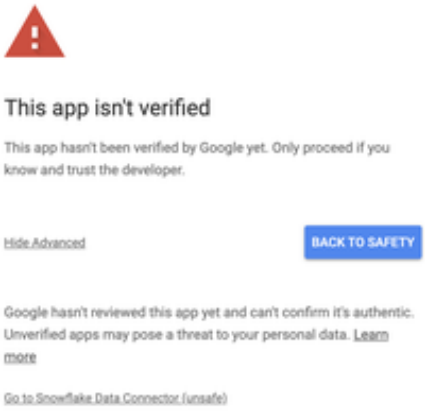


7. **AUTHORIZE** & use personal **GMAIL** account (corp one may have restrictions)

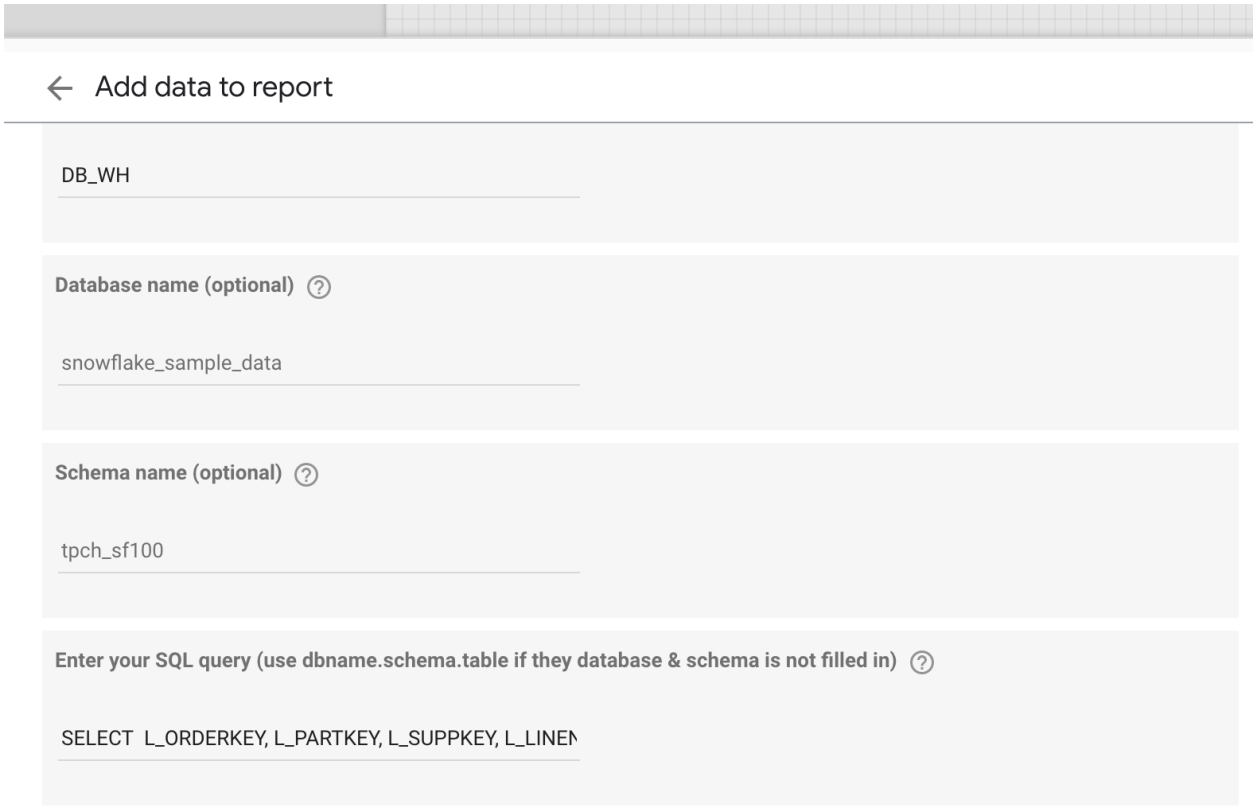
8. If you see a WARNING.

- Click **ADVANCED** at the bottom.
- Click **Go to Snowflake Connector UnSafe**
- Click **ALLOW**





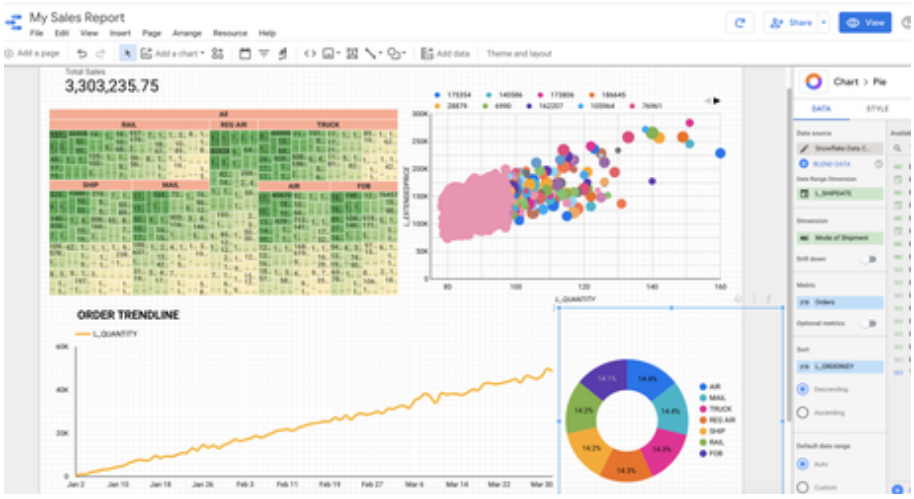
9. Fill in the required connection parameters plus a valid SQL Query & click ADD



10. When asked click **ADD TO REPORT**

11. **DONE**. Ready to Design.

12. Choose to add a chart from the menu and drag & drop dimensions and measures from the field list to visualize it as below



IMPORTANT NOTE:

Dates may cause issues where they are not recognized or recognized properly. You have to re-format dates into a format that GDS can understand and pick the matching format in the field data manager field properties.

1. User SQL to format to YYYYMMDD

```
TO_VARCHAR(L_COMMITDATE, 'YYYYMMDD') as L_COMMITDATE
```

2. Then match the same format in GDS