

4_charts_and_apis

Instruction

1. Open the parent directory of the project in VS code or your preferred code editors and open the **terminal**.

2. Execute **. start.sh** in the terminal to setup the docker environments.

3. Open web browser and go to <http://localhost:8080/>

user: airflow

password: airflow

4. Switch on the DAG **4_charts_and_apis** and let it run or create on play button on the actions bar to trigger the DAG manually

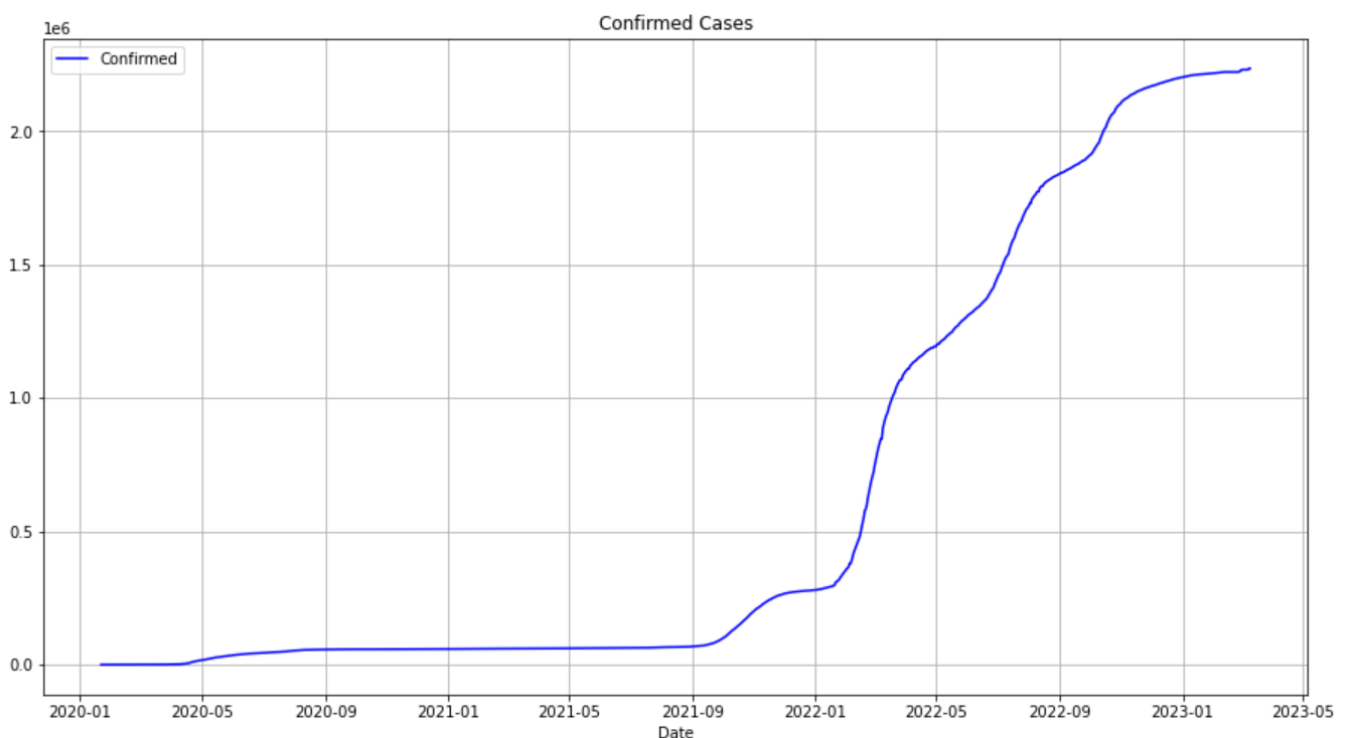
5. Read the results

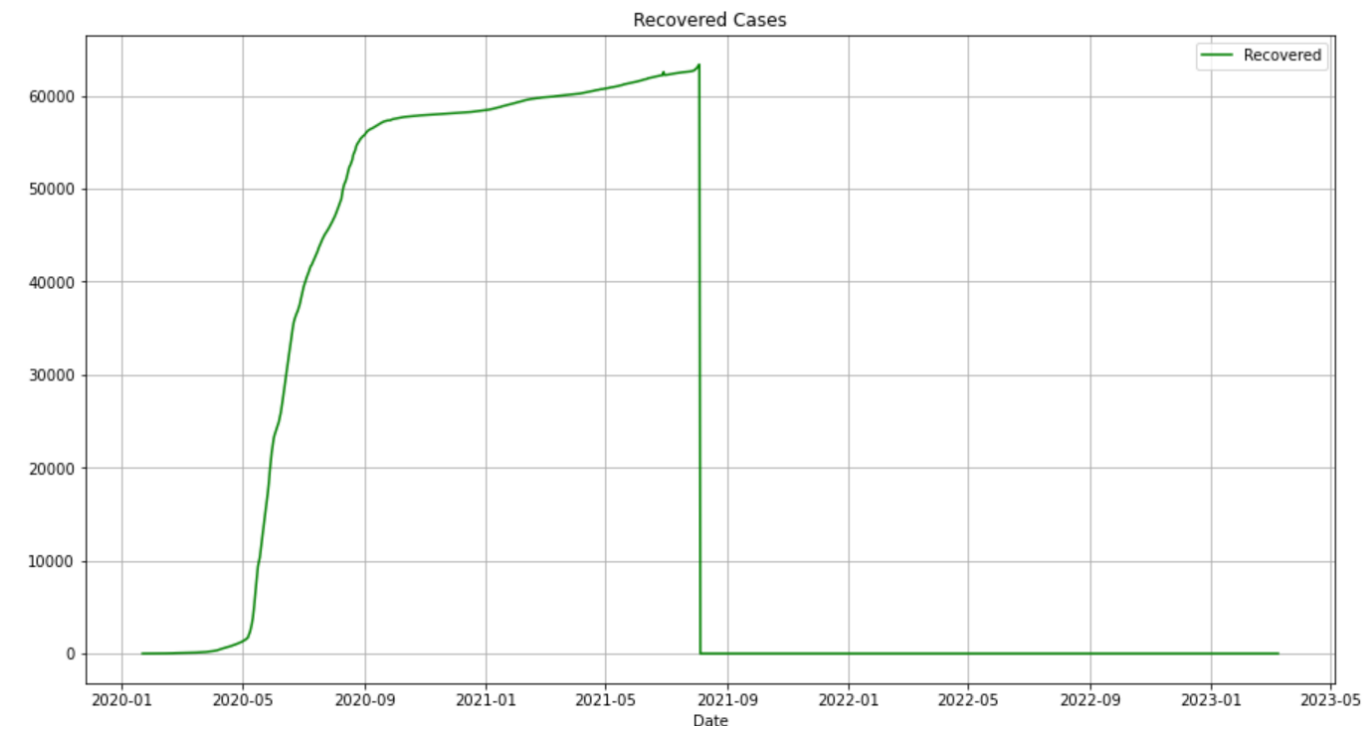
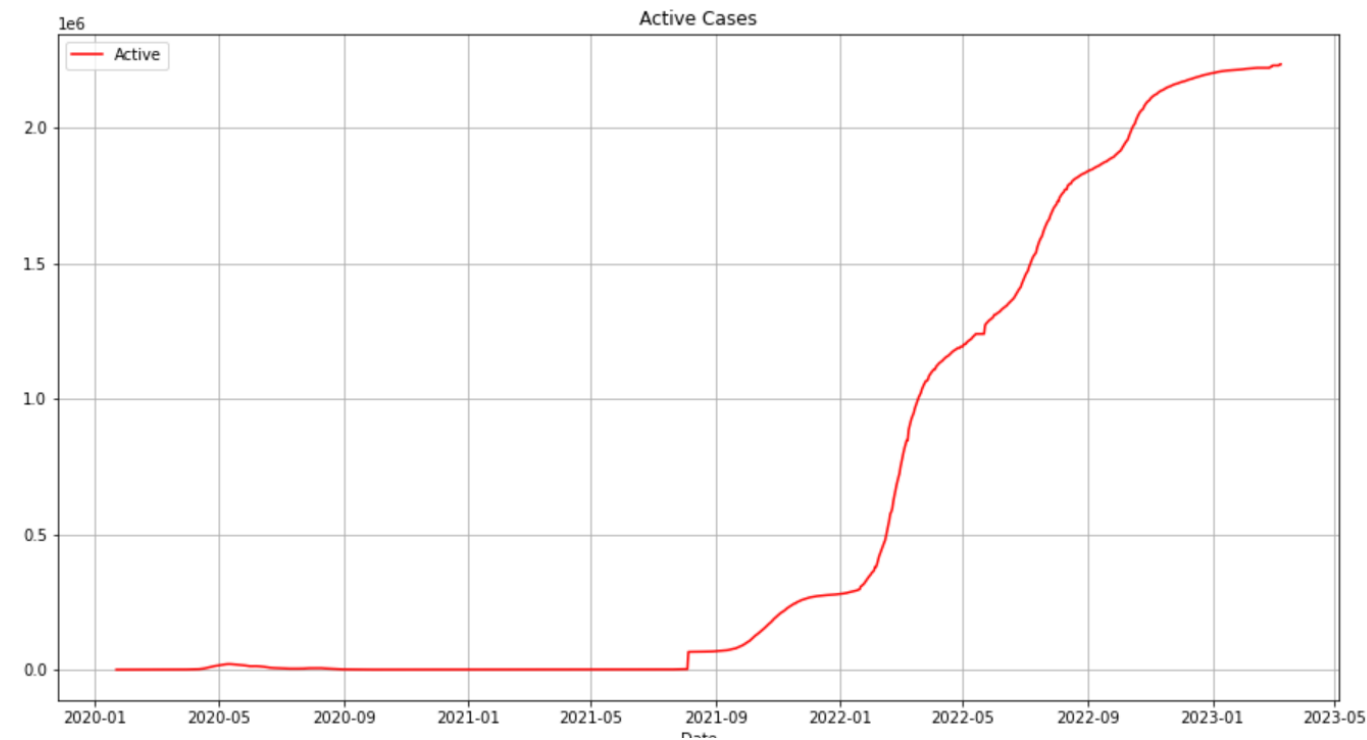
i Read csv file from 4_charts_and_apis ii. See the charts and methods explanation below

6. Close the project by executing **. stop.sh** in terminal

Charts

Pandas plots





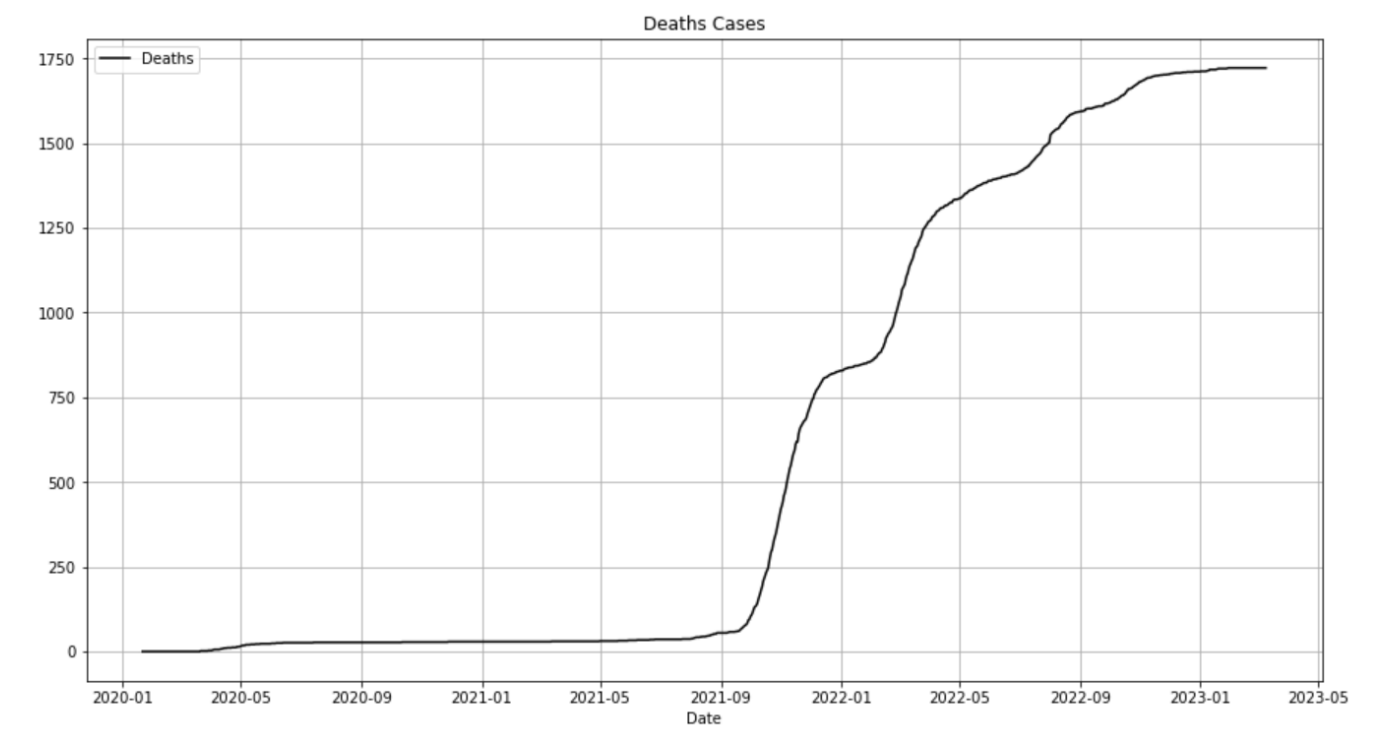
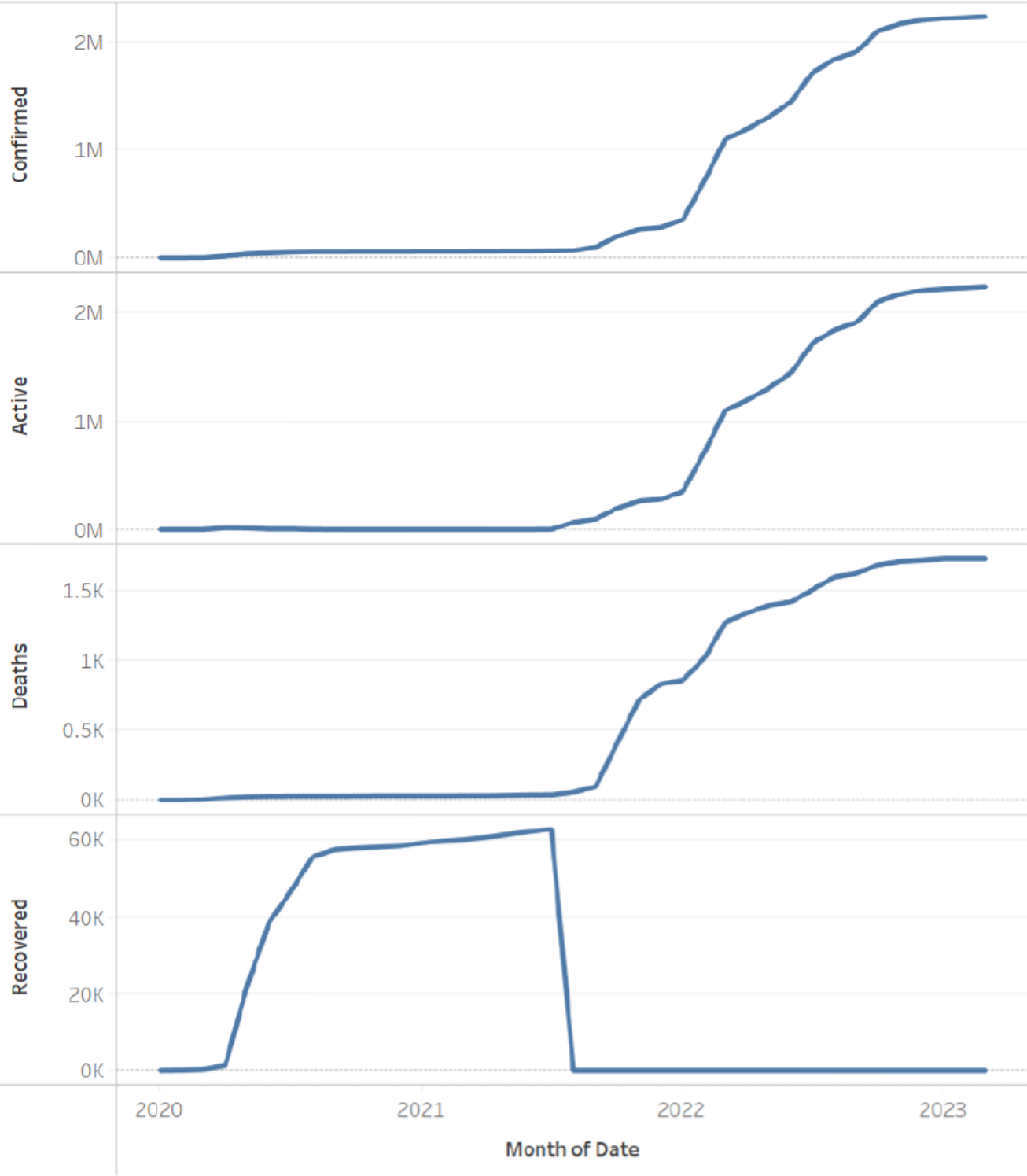


Tableau dashboards

Dashboard

Singapore Covid19 Cases



Methods explanation

I triggered **api.py** script in airflow to fetch the covid19 data from the website. Then, I accessed this data in the jupyter notebook for visualization. Besides, I also loaded the same data into Tableau to create a simple dashboard.

Note

1. Assuming that you have already set up a basic development environment and docker desktop on your workstation.
2. This setup is for showcase purpose, not for production deployment