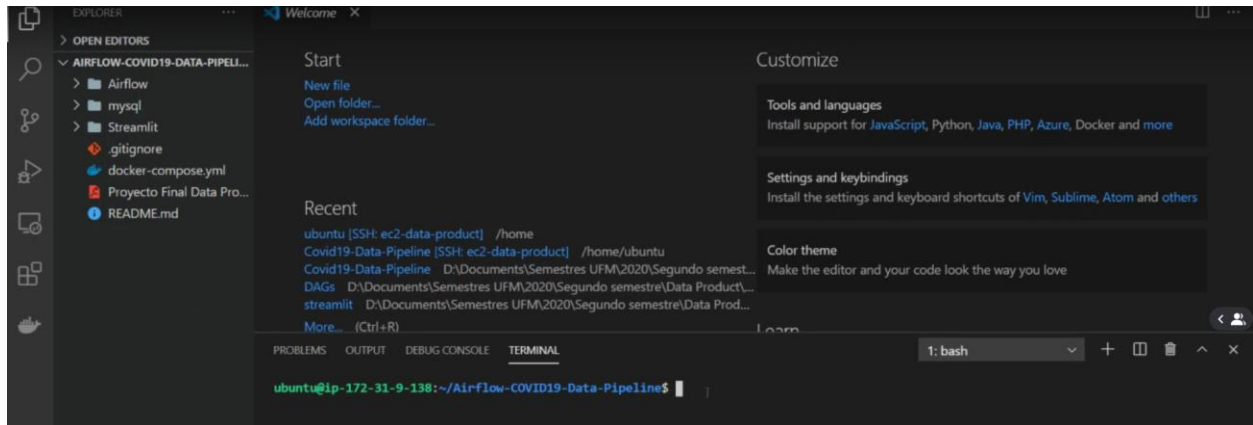
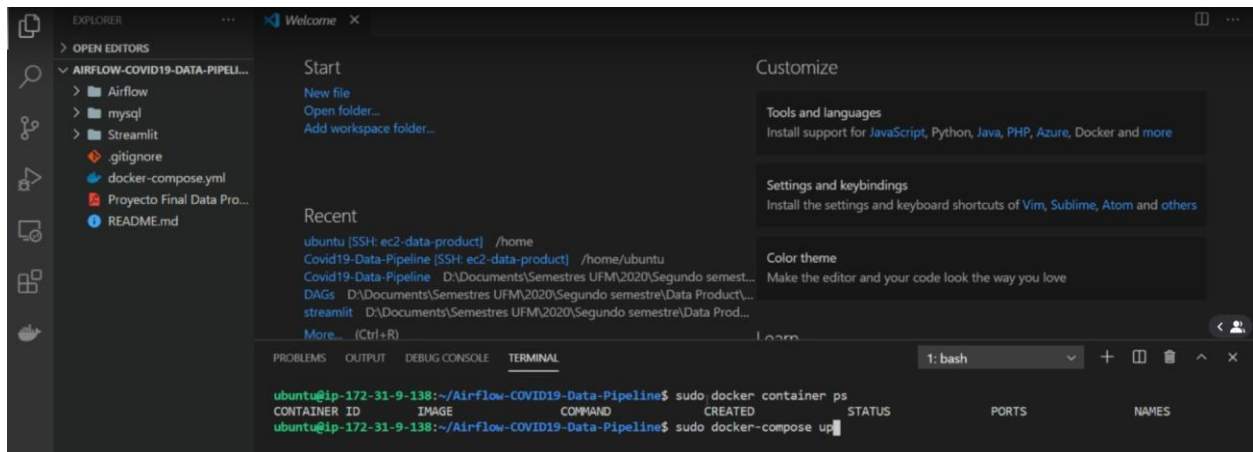


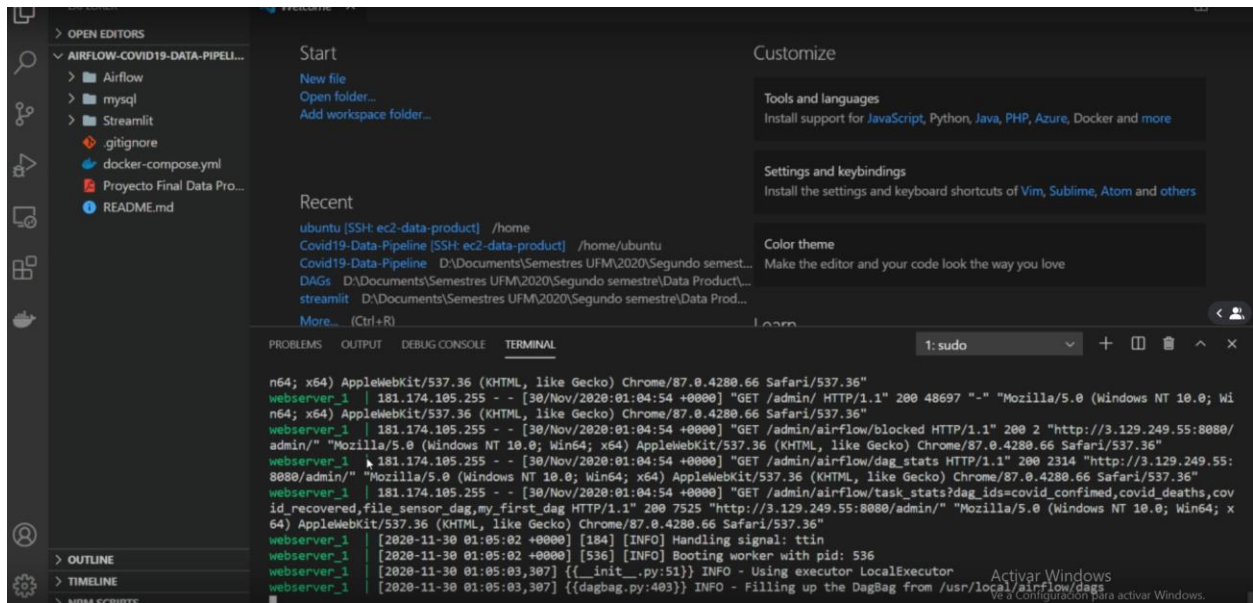
Covid-19 Analysis Documentación



Levantando Docker-Compose



Levantando con Docker-compose los servicios



Visualización de dags para la ingestión de data

The screenshot shows the Airflow web interface with a list of DAGs (Data As Graphs) for data ingestion. The table lists DAGs such as covid_confirmed, covid_deaths, covid_recovered, file_sensor_dag, and my_first_dag, along with their schedules, owners, and recent task status.

DAG	Schedule	Owner	Recent Tasks	Last Run	DAG Runs	Links
covid_confirmed	None	Alex	○ ○ ○ ○ ○ ○ ○ ○ ○ ○		○ ○ ○ ○	🔍 📊 📈 📉 📅 🔄 🗑️
covid_deaths	None	Alex	○ ○ ○ ○ ○ ○ ○ ○ ○ ○		○ ○ ○ ○	🔍 📊 📈 📉 📅 🔄 🗑️
covid_recovered	None	Alex	○ ○ ○ ○ ○ ○ ○ ○ ○ ○		○ ○ ○ ○	🔍 📊 📈 📉 📅 🔄 🗑️
file_sensor_dag	None	Alex	○ ○ ○ ○ ○ ○ ○ ○ ○ ○		○ ○ ○ ○	🔍 📊 📈 📉 📅 🔄 🗑️
my_first_dag	None	Alex	○ ○ ○ ○ ○ ○ ○ ○ ○ ○		○ ○ ○ ○	🔍 📊 📈 📉 📅 🔄 🗑️

Showing 1 to 5 of 5 entries

Creando conexión MySQL

Connection [edit]

List Create Edit

Conn Id * airflow_db

Conn Type MySQL

Host db

Schema airflowcovid

Login alex

Password *****

Port 3306

Extra

Save Save and Add Another Save and Continue Editing Cancel

Activar Windows
Ver a Configuración para activar Windows

Triggering DAGs

DAGs

Search:

	DAG	Schedule	Owner	Recent Tasks	Last Run	DAG Runs	Links
<input checked="" type="checkbox"/>	covid_confirmed	None	Alex	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2020-11-30 01:07	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	🔍 📊 📅 🔧 🔗 🔄 🗑️
<input checked="" type="checkbox"/>	covid_deaths	None	Alex	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2020-11-30 01:07	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	🔍 📊 📅 🔧 🔗 🔄 🗑️
<input checked="" type="checkbox"/>	covid_recovered	None	Alex	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	2020-11-30 01:07	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	🔍 📊 📅 🔧 🔗 🔄 🗑️
<input checked="" type="checkbox"/>	file_sensor_dag	None	Alex	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	🔍 📊 📅 🔧 🔗 🔄 🗑️
<input checked="" type="checkbox"/>	my_first_dag	None	Alex	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	🔍 📊 📅 🔧 🔗 🔄 🗑️

Showing 1 to 5 of 5 entries

« 1 »

Hide Paused DAGs

Consumiendo archivos en espera

Airflow DAGs Data Profiling Browse Admin Docs About 2020-11-26 04:07:34 UTC

DAG [covid_confirmed] is now fresh as a daisy

On DAG: covid_confirmed Confirmed COVID data schedule: None

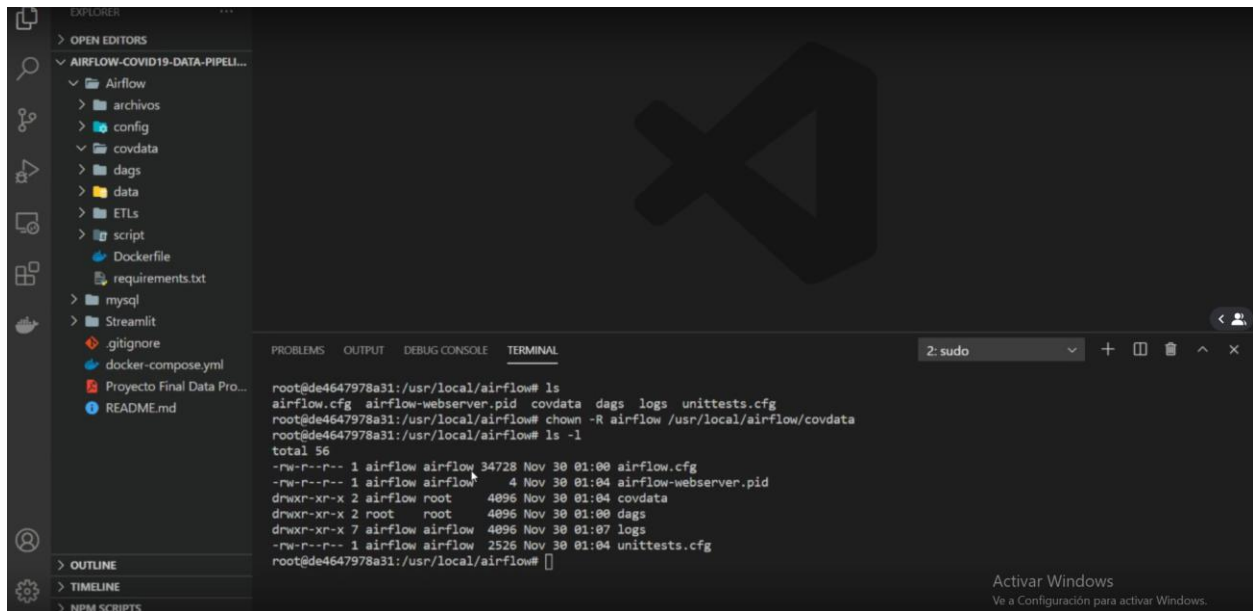
Graph View Tree View Task Duration Task Tries Landing Times Gantt Details Code Trigger DAG Refresh Delete

Base date: 2020-11-30 01:07:09 Number of runs: 25 Go

FileSensor PythonOperator success running failed skipped upstream_failed up_for_reschedule up_for_retry queued no_tasks

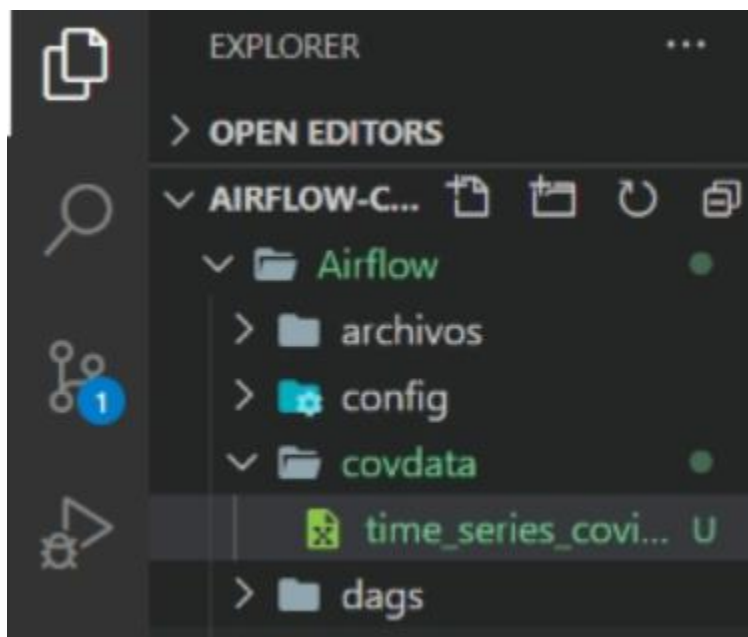
[DAG] covid_sensor_confirmed covid_etl_confirmed

Dándole acceso a la carpeta de CovData

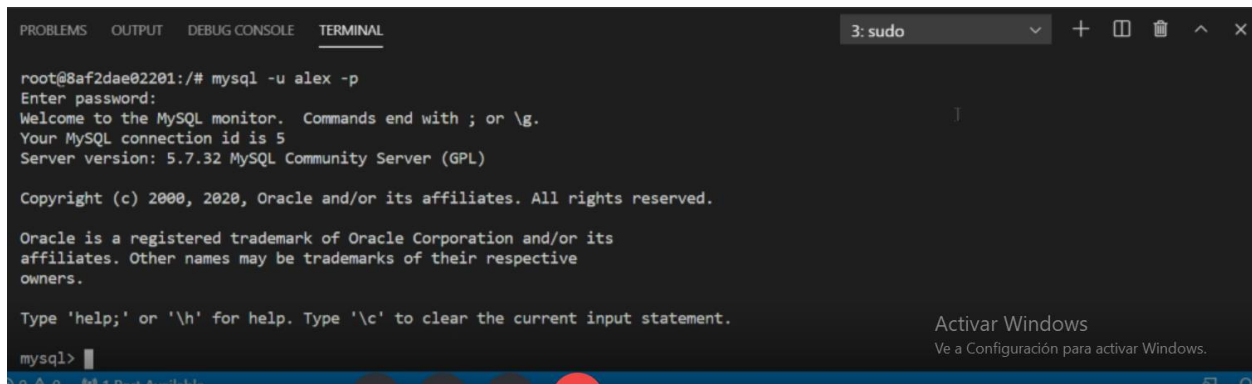


```
root@de4647978a31:/usr/local/airflow# ls
airflow.cfg airflow-webserver.pid covdata dags logs unittests.cfg
root@de4647978a31:/usr/local/airflow# chown -R airflow /usr/local/airflow/covdata
root@de4647978a31:/usr/local/airflow# ls -l
total 56
-rw-r--r-- 1 airflow airflow 34728 Nov 30 01:00 airflow.cfg
-rw-r--r-- 1 airflow airflow  4 Nov 30 01:04 airflow-webserver.pid
drwxr-xr-x 2 airflow root  4096 Nov 30 01:04 covdata
drwxr-xr-x 2 root root  4096 Nov 30 01:00 dags
drwxr-xr-x 7 airflow airflow 4096 Nov 30 01:07 logs
-rw-r--r-- 1 airflow airflow 2526 Nov 30 01:04 unittests.cfg
root@de4647978a31:/usr/local/airflow#
```

Agregando la data para ingestarla a la base de datos



Creating connection to Mysql

A terminal window titled '3: sudo' with tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The terminal shows the command 'mysql -u alex -p' being executed. It prompts for a password, then displays the MySQL welcome message, connection ID (5), and server version (5.7.32 MySQL Community Server (GPL)). It also shows copyright information and a hint to type 'help;' or '\h' for help. The prompt 'mysql>' is visible at the bottom.

```
root@8af2dae02201:/# mysql -u alex -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.32 MySQL Community Server (GPL)

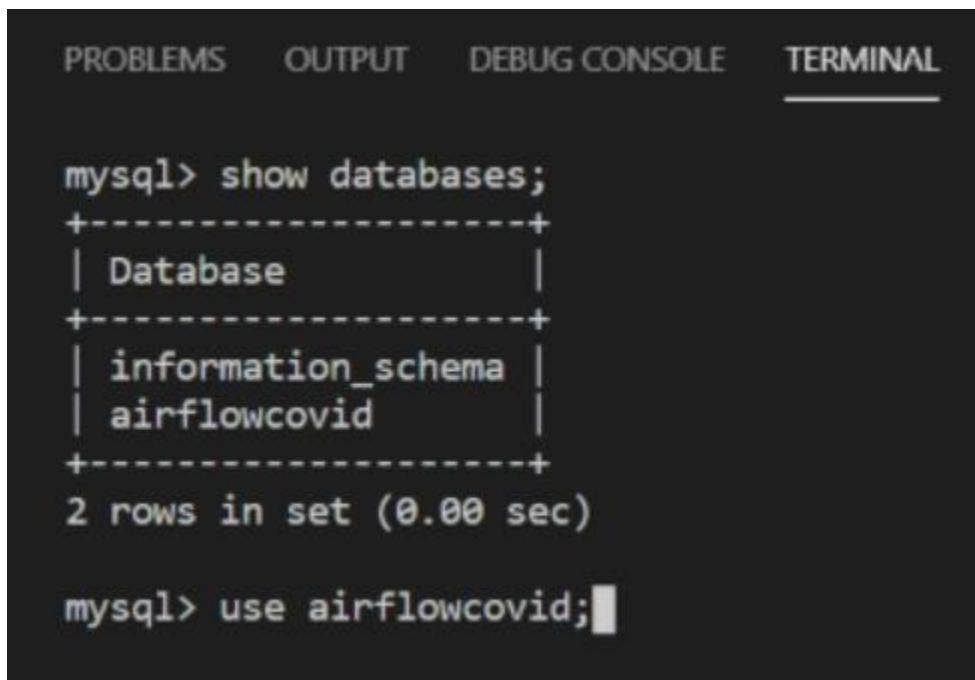
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

Mostrando base de datos

A terminal window showing the output of the 'show databases;' command in MySQL. The output is a table with two rows: 'information_schema' and 'airflowcovid'. The prompt 'mysql>' is visible at the bottom.

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| airflowcovid |
+-----+
2 rows in set (0.00 sec)

mysql> use airflowcovid;
```

Mostrando las tablas de Airflowcovid

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

mysql> show tables;
+-----+
| Tables_in_airflowcovid |
+-----+
| confirmed               |
| death                   |
| recoverd                |
+-----+
3 rows in set (0.00 sec)

mysql> █
```

Tabla poblada

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 3: sudo + □
```

```
mysql> select * from confirmed limit 50;
```

Province	Country	Lat	Lon	Date	Cases	Increment
NULL	Afghanistan	33.93911	67.709953	1/22/20	0	0
NULL	Albania	41.1533	20.1683	1/22/20	0	0
NULL	Algeria	28.0339	1.6596	1/22/20	0	0
NULL	Andorra	42.5063	1.5218	1/22/20	0	0
NULL	Angola	-11.2027	17.8739	1/22/20	0	0
NULL	Antigua and Barbuda	17.0608	-61.7964	1/22/20	0	0
NULL	Argentina	-38.4161	-63.6167	1/22/20	0	0

Dashboard corriendo

Navigation

Go to

Introduction

Confirmed

Deaths

Recovered

Covid-19 Analysis

Coronavirus disease is an infectious disease that has affected everyone around the globe. It has changed that way we do things in a short amount of time. You will be able to see a short analysis of the data that we've been able to gather for our final project of DATA PRODUCT. We will share information about cases around the world in a determined time period, we hope it serves you. You can see the source and replicate in the following [github here](#)

In order for you to navigate in an easier and more comfortable manner we've implemented a navigation panel for you where you will be able to search for the information that it's most important to you being this information about confirmed cases, deaths due to Coronavirus or Recovered cases as well. You will be able to find this navigation panel on your left of this page, We hope you enjoy and make use of this information.

Navigation

Go to

- ☐ Introduction
- ☒ Confirmed
- ☐ Deaths
- ☐ Recovered

Confirmed cases

The following page will provide you with information about the confirmed cases around the world. This data has been gathered and display from 2020-01-22 00:00:00 to 2020-11-04 00:00:00 to give you a better knowledge of the information you're presented with.

Raw Data

	Province	Country	Lat
0	None	Afghanistan	33.93911
1	None	Albania	41.1533
2	None	Algeria	28.0339
3	None	Andorra	42.5063
4	None	Angola	-11.2027
5	None	Antigua and Barbuda	17.0600
6	None	Argentina	-38.4161
7	None	Armenia	40.0691
8	Australian Capital Ter...	Australia	-35.4735
9	New South Wales	Australia	-33.8688
10	Northern Territory	Australia	-12.4634

Total Cases by 2020-11-04 00:00:00

	Total_Cases
Afghanistan	41814
Albania	22300
Algeria	59527
Andorra	5045
Angola	11813
Antigua and Barbuda	130
Argentina	1285928
Armenia	97150
Australia	27630
Austria	125099
Azerbaijan	59509

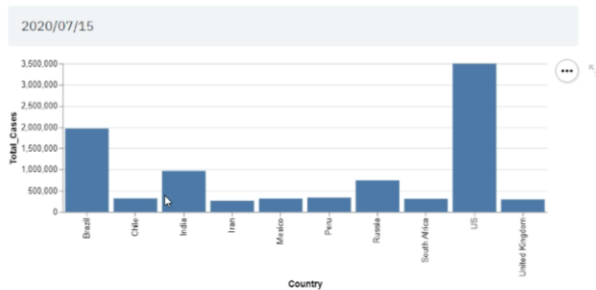
Top 10 countries with more cases by date

Select a Date

2020/04/23	
Austria	125099
Azerbaijan	59509

Top 10 countries with more cases by date

Select a Date



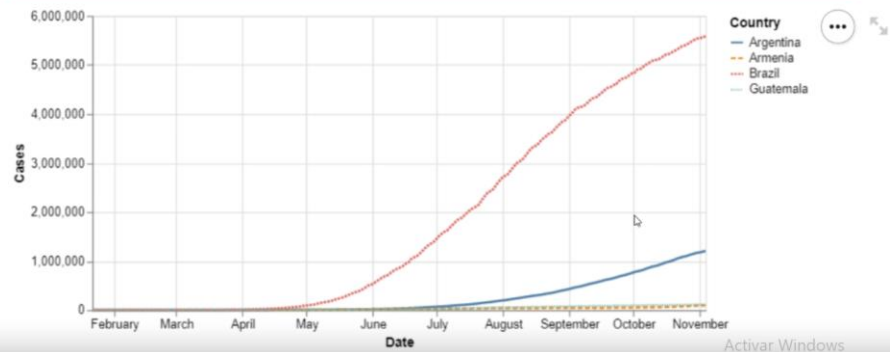
Historical data by country

Select a Contry

Historical data by country

Select a Contry

Argentina x Guatemala x Armenia x Brazil x



Activar Windows
Ver la Configuración para activar Windows.

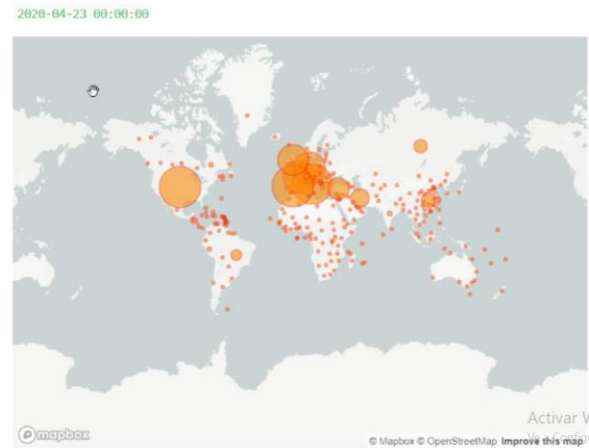
Navigation

Go to:

- ☐ Introduction
- ☒ Confirmed
- ☐ Deaths
- ☐ Recovered

Historical Map

Drag Date



Activar Windows
Ver la Configuración para activar Windows.