**COVID-19 Data Analysis: Comparing Recovered Cases and Active Cases**

**Project Overview:**

This project analyzes COVID-19 data from the bigquery-public-data.covid19\_jhu\_csse.summary dataset to compare recovered cases and average active cases across selected countries.

**Key Findings:**

* **Spain** reported the highest number of recovered cases.
* **Mexico** had a lower average number of active cases compared to Spain and the United States.

**Data Analysis:**

**SQL Query:**

SELECT

summary.recovered,

AVG(summary.active) AS Average\_score

FROM

`bigquery-public-data.covid19\_jhu\_csse.summary` AS summary

WHERE summary.country\_region IN ('Spain', 'Mexico', 'Columbia', 'United States')

AND summary.recovered IS NOT NULL

AND summary.active IS NOT NULL

GROUP BY 1;

**Explanation:**

* Filters the data for the specified countries.
* Calculates the average active cases for each recovered case count.
* Handles null values to ensure accurate results.

**Results:**

|  |  |
| --- | --- |
| **Recovered Cases** | **Average Active Cases** |
| 7070616437 | ... |
| 3944062935 | ... |
| ... | ... |

Export to Sheets

**Future Work:**

* **Expand Analysis:** Explore additional metrics like mortality rates and hospitalization rates.
* **Time Series Analysis:** Analyze data over time to identify trends and patterns.
* **Geographic Visualization:** Create maps to visualize the spatial distribution of cases.

See BigQuery Link for the [SQL Query, Result, and Chart](https://console.cloud.google.com/bigquery?ws=!1m7!1m6!12m5!1m3!1smy-sql-bigquery-project-68419!2sus-central1!3sa9c4f2bb-2770-4242-b962-d18c412f94cc!2e1)