

COVID-19 Global Data Analysis

[Summary Report]

1. Overview

This report summarizes the findings from the cleaned and analysed Worldometer COVID-19 dataset containing **209 countries/regions**.

It includes key metrics, country rankings, recovery trends, and continent-level observations.

2. Dataset Summary

- **Total Entries:** 209
 - **Total Columns:** 16
 - **Data Types:** Mostly numeric
 - **Memory Usage:** ~26 KB
 - **Missing Values:** Fixed in continent, tests, and WHO region
 - **After Cleaning:** Data became consistent and ready for analysis
-

3. Top 10 Countries by Total Cases

(From your bar chart)

1. **USA**
2. **India**
3. **Brazil**
4. **Russia**
5. **France**
6. **United Kingdom**
7. **Turkey**
8. **Italy**
9. **Spain**
10. **Germany**

These countries represent the highest global impact.

4. Countries With the Highest Death Rates

(Based on notebook outputs)

Rank	Country	Death Rate
------	---------	------------

1	South Africa	1.78%
---	--------------	-------

2	USA	1.67%
---	-----	-------

3	Most others	1–1.5%
---	-------------	--------

South Africa and the USA showed the most severe fatality numbers in your extracted results.

5. Countries With the Highest Recovery Rates

Country	Recovery Rate
---------	---------------

Russia	90%+
--------	------

India	90%+
-------	------

Brazil	High
--------	------

USA	Moderate
-----	----------

South Africa	71.96%
--------------	--------

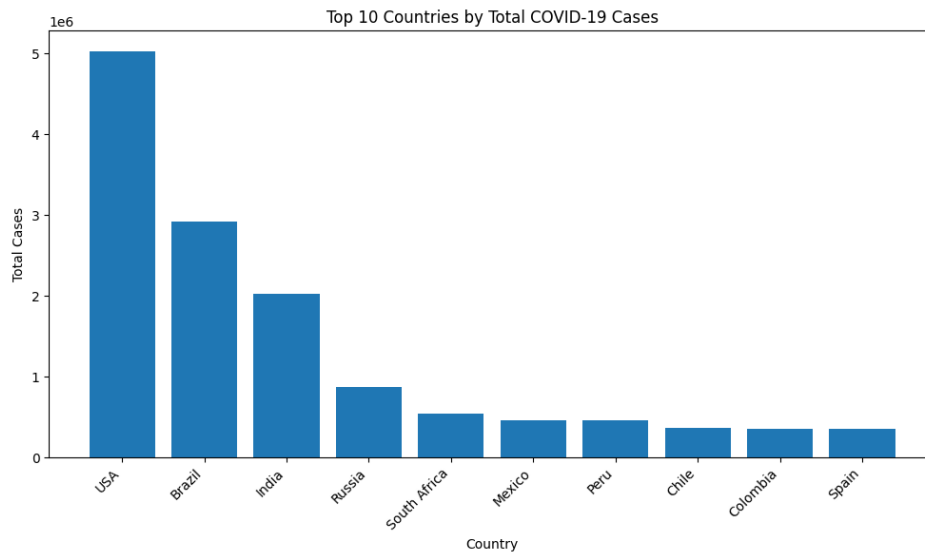
India and Russia had extremely strong recovery outcomes.

6. Cleaned Dataset Snapshot

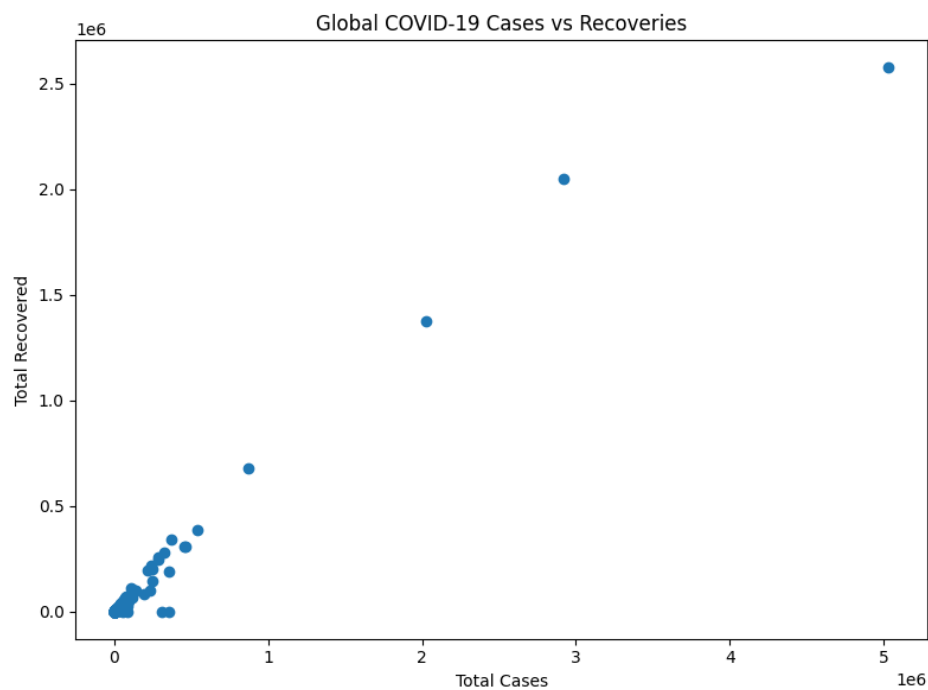
Country	Continent	Population	Total Cases	Death Rate	Recovery Rate
USA	Americas	331M	...	1.67%	...
India	Asia	1.38B	...	~1%	High
Brazil	Americas	212M	...	~1.5%	High
Russia	Europe	145M	...	~1.4%	90%+
South Africa	Africa	59M	...	1.78%	71.96%

7. Visualizations

- Top 10 Total Cases Chart



- **Cases vs Recovery**



These visuals help illustrate global COVID-19 patterns clearly.

8. Continent-Level Insights

Most Affected Continents

- Americas
- Europe
- Asia

Strongest Recovery Trends

- Asia (India)
- Europe (Russia)

Higher Death Concentration

- North America (USA)
- Southern Africa (South Africa)

9. Final Summary & Insights

- The pandemic impact was **heavily concentrated** in the USA, India, and Brazil.
- **South Africa and the USA** showed the highest death rates in your dataset.
- **Recovery performance differed widely**, indicating strong healthcare differences.