

Lab 5

Geographical Maps

Tableau Maps are a powerful tool for visualizing geographic data and gaining insights into location-based trends. With Tableau's user-friendly interface and extensive mapping capabilities, users can easily create interactive and dynamic maps that showcase the data in a compelling and easy-to-understand way.

Use the covid 19 dataset and give the answer by using geographical map:

https://www.kaggle.com/datasets/imdevskp/corona-virus-report?resource=download&select=country_wise_latest.csv

1. Which countries have the highest case fatality rate (CFR)? (Color by **Deaths / 100 Cases**.)
2. Which countries show the strongest recovery rates? (Color by **Recovered / 100 Cases**.)
3. Which countries had the largest surge last week? (Color by **1 week % increase**.)
4. How do WHO Regions compare in terms of median CFR? (Use map filtered by **WHO Region**)
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6. How do WHO Regions compare in terms of median CFR? (Use map filtered by **WHO Region**)
7. Which countries pair high recoveries with low deaths? (Size by **Recovered**, color by **Deaths / 100 Cases**.)
8. Which countries had >25% weekly increase and >1,000 Active? (Parameterize thresholds; highlight on the map.)
9. Which countries are high-Active but low-increase (stable hotspots)? (Quadrant: high **Active**, low **1 week % increase**.)

- **Dashboard / Interaction Tasks (Map-centric)**

- Build a Map + KPI tiles dashboard: clicking a country shows Confirmed / Active / CFR / 1-week % in tiles.
- Add a WHO Region filter and a metric switcher parameter (Confirmed / Active / CFR / 1-week %), updating the map color dynamically.

