

COVID-19 Data Analysis Insights (January - July 2020)

1. Global Trends:

- **Highest Total Cases:** USA (5,032,179), followed by Brazil, India, Russia, and South Africa.
- **Highest Cases Per Million:** Qatar (39,922), followed by French Guiana, Bahrain, and San Marino.
- **Highest Total Deaths:** USA (162,804).
- **Highest Recoveries:** USA (2,576,668).

2. Monthly Case Growth:

- Cases and active numbers escalated monthly from January to July.
- **Peak Week:** Week 30 had the most confirmed cases; Week 1 had the least.

3. Recovery & Critical Ratios:

- **Top Recovery Rates:** Dominica, Grenada, and Holy See (100%), followed by Malaysia and Iceland (97-98%).
- **Critical-to-Case Ratio:** Highest in El Salvador (0.0266) and Turks and Caicos (0.0233).

4. Continental Insights:

- **Highest Total Cases:** North America (5,919,209).
- **Lowest Total Cases:** Australia (21,735).
- All continents saw the most cases in July.

5. Key Changes & Patterns:

- Papua New Guinea had the highest weekly case increase (226.32%).
- **Deaths per Million:** Highest in Europe (9,673), followed by North and South America.
- **Death-to-Recovery Ratio:** Increased steadily from January to July.