

# Title: COVID-19 Global Analysis—Project Documentation

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## 1. Introduction

This project aims to analyze the impact of COVID-19 across the globe using a real-world dataset. The main goal is to identify trends, top-affected countries, and the effectiveness of testing and recovery.

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## 2. Dataset Description

- File: covid\_19.csv
  - Rows: 238 records
  - Columns:
    - Country, Continent, Population
    - Date, Cases, Recovered, Deaths, Tests
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## 3. Data Cleaning

- Removed time column
  - Replaced null values in Recovered, Deaths, and Tests with 0
  - Converted data types properly (date, numeric)
  - Renamed columns for clarity
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## 4. Dashboard KPIs & Visuals

### Created in Power BI:

- Cards for Total Cases, Deaths, Recovered, and Tests
  - Bar Chart: Top 5 Countries by Cases & Deaths
  - Pie Chart: Cases by Continent
  - Line Chart: Daily trend of cases
  - Optional: Map View for global spread
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## 5. Key Insights

- Highest number of cases: [Country]
  - Recovery Rate: [%, calculated]
  - Top 5 countries had over [XX]% of global cases.
  - Testing efforts varied across continents.
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## 6. Tools Used

- Power BI Desktop
  - VS Code (README)
  - Google Docs/Word (Documentation)
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## 7. Conclusion

This project helped explore how data visualization can simplify complex global data. Power BI enabled the creation of a dynamic and interactive COVID-19 dashboard.

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## Submitted By:

**Deepika Venkatesan,**  
RISE Internship—Data Science & Analytics,  
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