

GLOBAL COVID DATASET:

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1. CONTENT

USAGE OF THE TIME SERIES + CONSOLIDATED DATA FOR ALL
THE ANALYSIS IN THIS PROJECT

2. ABOUT THIS FILE

1. <https://www.kaggle.com/sudalairajkumar/covid19-in-india>

INDIAN COVID-19 DATA SET

2. https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_time_series

GLOBAL COVID-19 DATASETS (US + ENTIRE WORLD)

3. DATASET DESCRIPTION

TIME_SERIES DATASETS:

THREE TIME SERIES TABLES ARE FOR THE GLOBAL CONFIRMED CASES, RECOVERED CASES AND DEATHS. AUSTRALIA, CANADA AND CHINA ARE REPORTED AT THE PROVINCE/STATE LEVEL. DEPENDENCIES OF THE NETHERLANDS, THE UK, FRANCE AND DENMARK ARE LISTED UNDER THE PROVINCE/STATE LEVEL. THE US AND OTHER COUNTRIES ARE AT THE COUNTRY LEVEL. THE TABLES ARE RENAMED TIME_SERIES_COVID19_CONFIRMED_GLOBAL.CSV AND TIME_SERIES_COVID19_DEATHS_GLOBAL.CSV, AND TIME_SERIES_COVID19_RECOVERED_GLOBAL.CSV, RESPECTIVELY.

- ✚ Province/State
- ✚ Country/Region
- ✚ Latitude
- ✚ Longitude
- ✚ Daily basis dates

US_COUNTRY CASES ON TODAY's DATE:

DATASETS DESCRIPTION:

[HTTPS://GITHUB.COM/CSSEGISANDDATA/COVID-19/TREE/MASTER/CSSE_COVID_19_DATA](https://github.com/CSSEGISandData/COVID-19/tree/master/CSSE_COVID_19_DATA)

- ✚ Country_Region
- ✚ Lat
- ✚ Long
- ✚ Confirmed
- ✚ Deaths
- ✚ Recovered
- ✚ Active
- ✚ Incident_Rate
- ✚ People_Testes
- ✚ People_Hospitalized
- ✚ Mortality_Rate
- ✚ UID
- ✚ ISO3

GLOBAL DATASETS DESCRIPTION:

[HTTPS://GITHUB.COM/CSSEGISANDDATA/COVID-19/TREE/MASTER/CSSE_COVID_19_DATA](https://github.com/CSSEGISandData/COVID-19/tree/master/CSSE_COVID_19_DATA)

INDIAN DATASETS DESCRIPTION:

Content

- ✚ COVID-19 cases at daily level is present in covid_19_india.csv file
- ✚ Individual level details are present in IndividualDetails.csv file and is obtained from [this link](#)
- ✚ Population at state level is present in population_india_census2011.csv file
- ✚ Number of COVID-19 tests at daily level in ICMRTestingDetails.csv file
- ✚ Number of hospital beds in each state is present in HospitalBedsIndia.csv file and is extracted from this [link](#)

4. PROBLEM STATEMENTS

- GENERALIZED ANALYSIS

- 📊 Data Modelling & Analysing Coronavirus: Exploratory Analysis
- 📊 The INDIA Focus
- 📊 Data Modelling and Prediction
- 📊 Suggestive measures
- 📊 Modelling the Impact of Lockdown and Interventions.

- The impact of COVID-19 on business crisis

- 📊 Simulations with Actual Data

5. APPROACH

GENERALIZED:

- 📊 TIME SERIES used for forecasting & Visualizing
- 📊 ML Driven Epidemiological Model to Forecast COVID-19 Progression

BUSINESS CRISIS:

- 📊 The overall impact of the COVID-19 pandemic on businesses in the United States.
- 📊 More specifically, will explore the extent of the impact each industry is facing.
- 📊 Dive in detail in the healthcare industry as well since it is directly related with the pandemic.

6. REFERENCES

THEORETICAL:

1. [HTTPS://WWW.CHICAGOBOOTH.EDU/RESEARCH/IGM/EVENTS-FORUMS/2020-EFFECTS-COVID-19-CRISIS](https://www.chicagobooth.edu/research/igm/events-forums/2020-effects-covid-19-crisis)
2. [HTTPS://WWW.MINNEAPOLISFED.ORG/RESEARCH/STAFF-REPORTS/WHAT-WILL-BE-THE-ECONOMIC-IMPACT-OF-COVID-19-IN-THE-US-ROUGH-ESTIMATES-OF-DISEASE-SCENARIOS](https://www.minneapolisfed.org/research/staff-reports/what-will-be-the-economic-impact-of-covid-19-in-the-us-rough-estimates-of-disease-scenarios)
3. [HTTPS://WWW.ADTRIBA.COM/COVID19-BUSINESS-IMPACT](https://www.adtriba.com/covid19-business-impact)

