

# TEAM TASK

## TASK-2

### COVID-19 CASES DATASET:

This covid confirmed cases dataset contains the confirmed cases for each county across the USA from January 22<sup>nd</sup>, 2020, to January 16<sup>th</sup>, 2023.

#### Datatype-Variable dictionary:

Name	Data Type	Description
countyFIPS	Integer(int64)	Unique five-digit number for each county
County Name	object	Name of the county
State	object	Name of the State
StateFIPS	Integer(int64)	Unique number for each state
Cases (on each date)	Integer(int64)	Number of cases on each date from January 22 <sup>nd</sup> , 2020, to January 16 <sup>th</sup> 2023

### COVID-19 DEATHS DATASET:

This covid deaths dataset contains the deaths for each county across the USA from January 22<sup>nd</sup>, 2020, to January 16<sup>th</sup>, 2023.

#### Datatype-Variable dictionary:

Name	Data Type	Description
countyFIPS	Integer(int64)	Unique five-digit number for each county
County Name	object	Name of the county
State	object	Name of the State
StateFIPS	Integer(int64)	Unique number for each state
Deaths (on each date)	Integer(int64)	Number of deaths on each date from January 22 <sup>nd</sup> , 2020, to January 16 <sup>th</sup> 2023

## COUNTY POPULATION DATASET:

This county population dataset contains population in each county across the USA.

### Datatype-Variable dictionary:

Name	Data Type	Description
countyFIPS	Integer(int64)	Unique five-digit number for each county
County Name	object	Name of the county
State	object	Name of the state
population	Integer(int64)	Population in each county

### Preliminary Intuitions from the datasets:

- 1) From the three datasets, we can notice that there are three columns in common among them those are countyFIPS, County Name and State.
- 2) Using the cases and county population datasets we can see how many cases got registered each day across the USA and, we can analyze how many people got exposed to covid out of entire county population.
- 3) Using the deaths and county population datasets we can notice how many deaths occurred in each county on each day across the USA and, we can analyze how many deaths registered due to covid out of entire county population.
- 4) By merging this three datasets on common columns (countyFIPS, County Name and State) and performing analysis we can obtain weekly statistics and monthly statistics for each state in USA.