

Covid-19

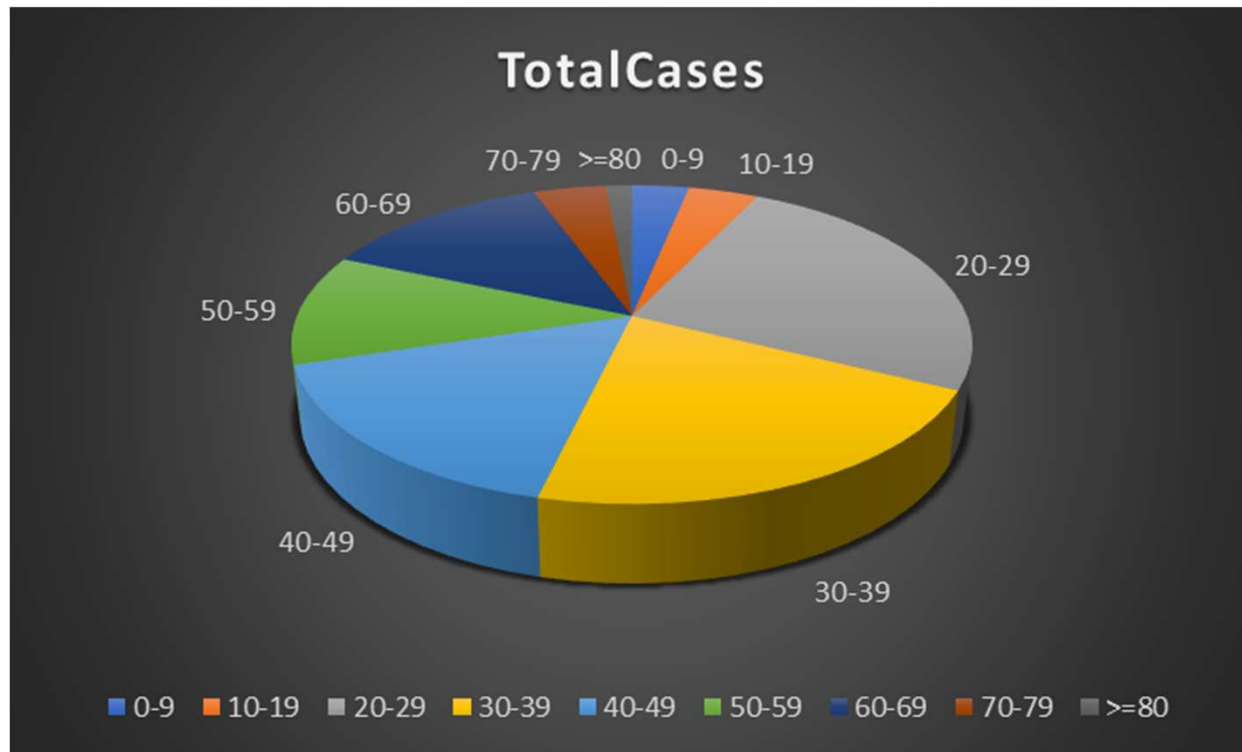
Exploratory Data Analysis

Business Report

Task 3

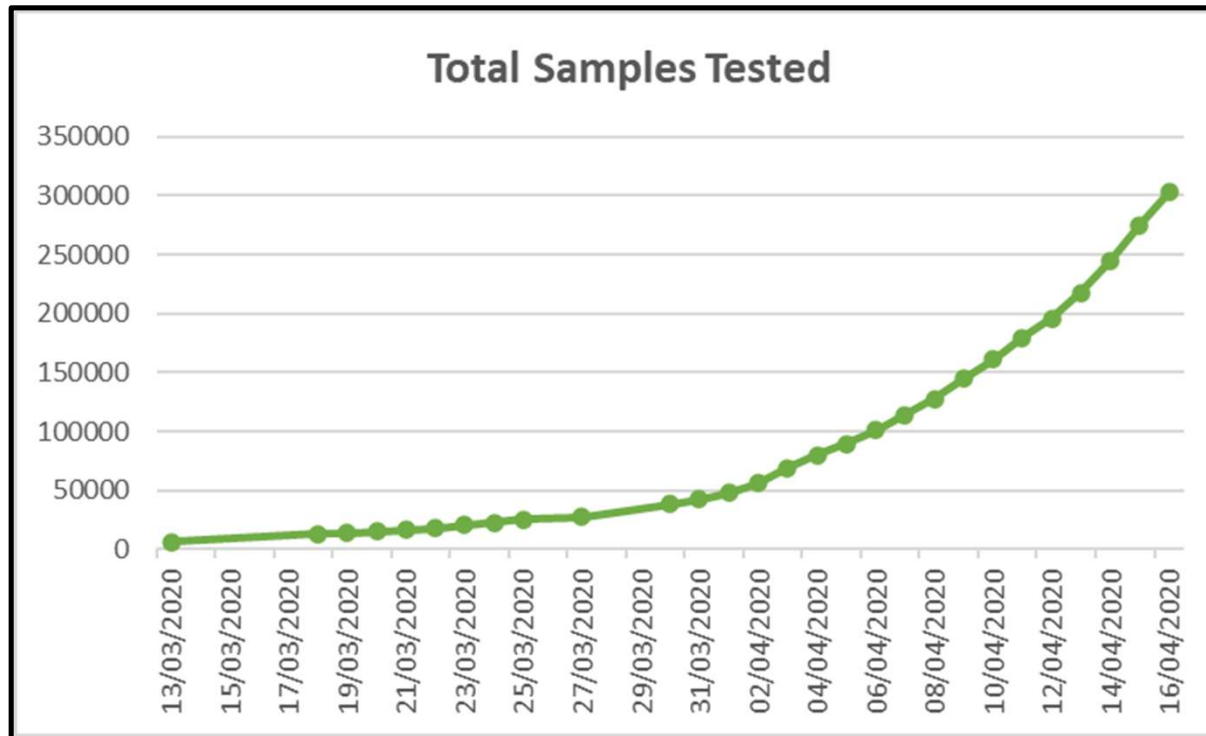
By : Gaurav Sharma

Total Cases vs Age



Most cases are in are aged between 20 and 50

Timeline of Samples tested



Cases seems to have exponential increase over the period of one month

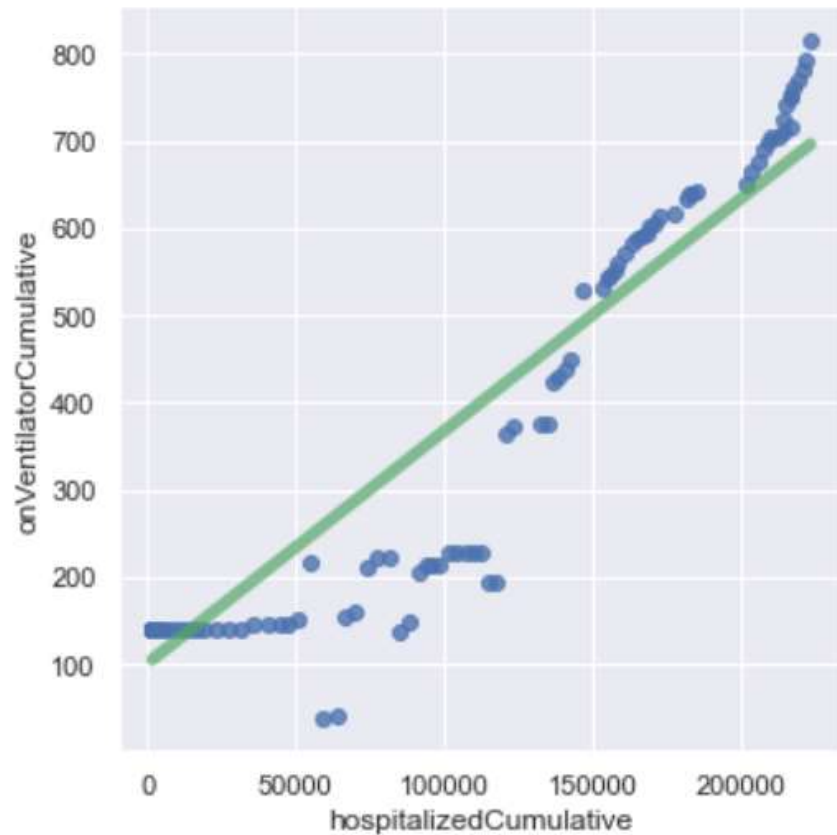
Total cases by State

Total Confirmed cases	
Name of State / UT	
Maharashtra	2105441
Tamil Nadu	721065
Delhi	664662
Gujarat	592035
Rajasthan	314944
Madhya Pradesh	290684
Uttar Pradesh	284434
West Bengal	179725
Andhra Pradesh	143724
Karnataka	109177

Total Confirmed cases	
Name of State / UT	
Sikkim	79
Union Territory of Ladakh	58
Dadra and Nagar Haveli and Daman and Diu	30
Union Territory of Jammu and Kashmir	26
Union Territory of Chandigarh	2
Daman & Diu	2

Maharashtra has most cases while Union territories have least cases

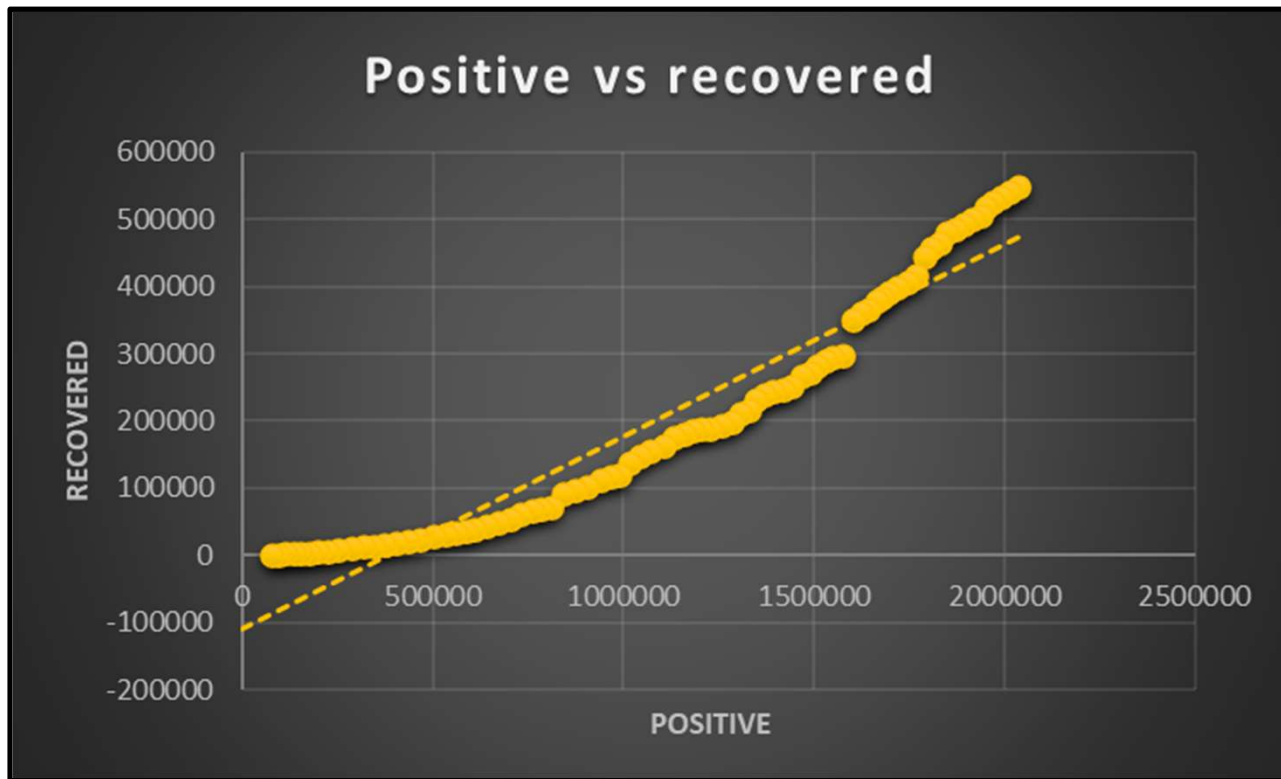
Hospitalized vs On_Ventilator



	hospitalizedCumulative	onVentilatorCumulative
hospitalizedCumulative	1.00000	0.94601
onVentilatorCumulative	0.94601	1.00000

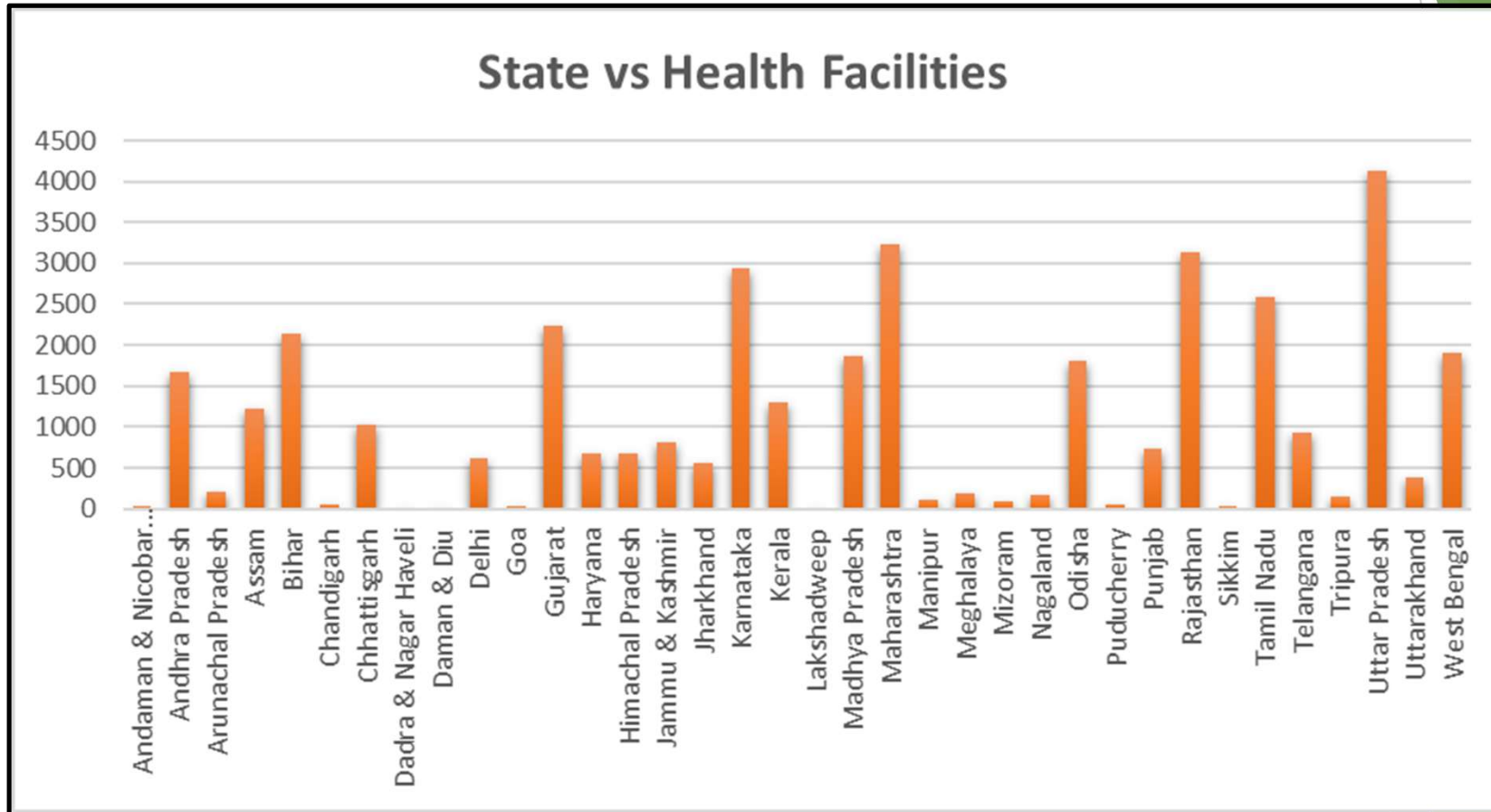
A very strong correlation observed

Positive vs Recovered



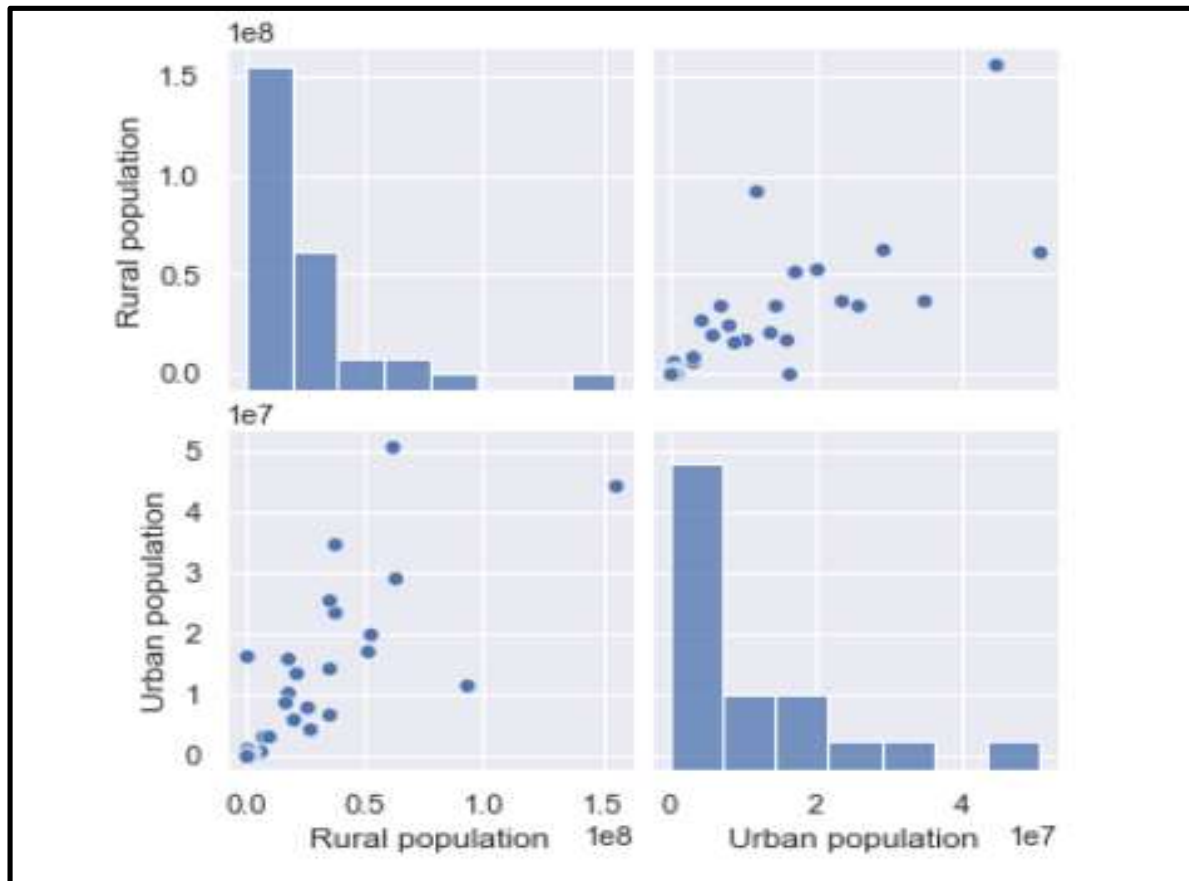
A correlation of 0.95 is observed

Health facilities by State



Uttar Pradesh and Maharashtra have more public health facilities available

Installment trend by Gender



Both Urban and Rural Population has positive skewed variation

Total no. of patients cured by State

State	Sum of Cured/Discharged/Migrated
Maharashtra	735513
Tamil Nadu	346286
Gujarat	287267
Delhi	258177
Rajasthan	182145
Uttar Pradesh	145888
Madhya Pradesh	145100
Andhra Pradesh	73469
West Bengal	64322
Punjab	55093
Telangana	49991
Bihar	45414
Karnataka	42242

Maharashtra and Tamil Nadu are on top of the List

Some Insights

- Young people are more prone to Covid.
- Ventilator shortage is expected in near future
- Tamil Nadu , UP and Rajasthan comes out to be best performing states as far as sample collection and curing rate is concerned.

**Thank
You**

