# PLUGGING INTO THE FEATURE: AN EXPLORATION OF

## **ELECTRICITY CONSUMPTION PATTERNS**

## GANESAR COLLEGE OF ARTS AND SCIENCE

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## **INTRODUCTION**

The consumption of energy place a valued role to determine the economic growth of a country. Our society is energy based one. Today demand for electricity has been growing rapidly due to increase infrastructure, rise in per capita modernization, rapid population growth, industrialization, urbanization. The global financial crisis and credit crunch have slowed India's signification economic growth particularly in manufacturing unit. India could be self sufficient with domestically produced energy. The total production of all electric energy producing facilities is 1.5tnkWh, which is 122 percent of the country's own usage.

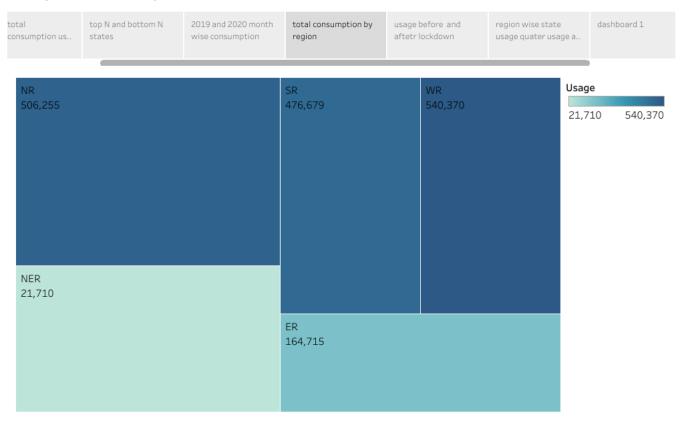
India is the world's third-largest producer and third-largest consumer of electricity. The national electric grid in India has an installed capacity of 370.106 GW as of 31 March 2020. Renewable power plants, which also include large hydroelectric plants, constitute 35.86% of India's total installed capacity. During the fiscal year (FY) 2019–20, the total electricity generation in the country was 1,598 TWh, of which 1,383.5 TWh generated by utilities. The gross electricity consumption per capita in FY2019 was 1,208 kWh.

In 2015-16, electric energy consumption in agriculture was recorded as being the highest (17.89%) worldwide. The per capita electricity consumption is low compared to most other countries despite India having a low electricity tariff.

In light of the recent COVID-19 situation, when everyone has been under lockdown for the months of March to June the impacts of the lockdown on economic activities have been faced by every sector in a positive or a negative way.

The dataset is exhaustive in its demonstration of energy consumption state wise.

Analysing Electricity Consumption in India from Jan 2019 till 5<sup>th</sup> December 2020. This dataset contains a record of Electricity consumption in each states of India, here we are going to analyse State wise, Region wise and Overall Electricity consumption in India.

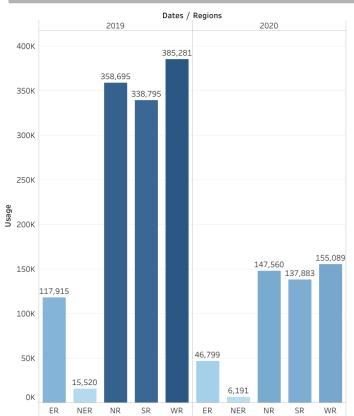




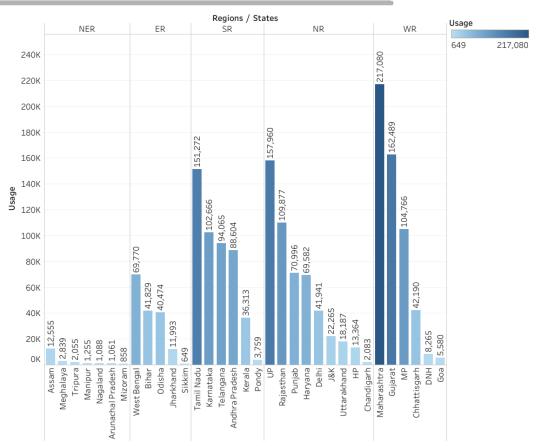
Usage

6,191

385,281





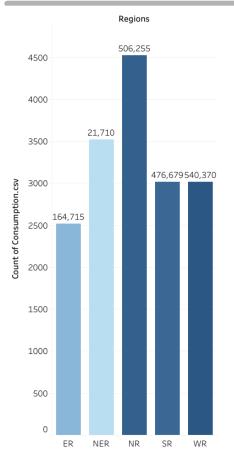


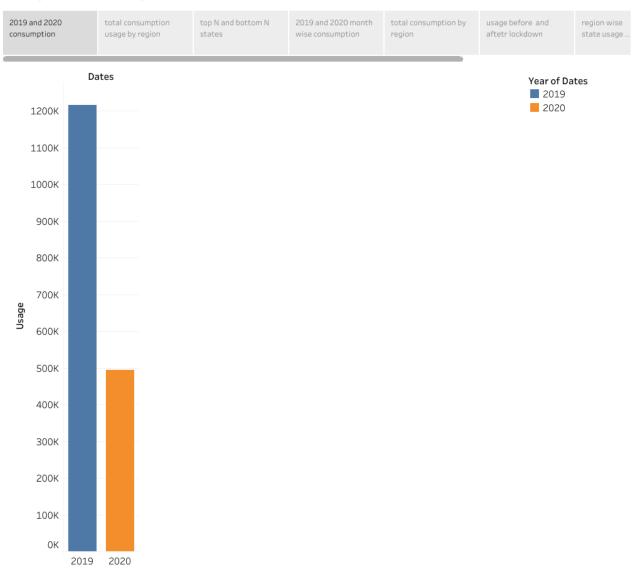
2019 and 2020 total consumption usage by region top N and bottom N 2019 and 2020 month wise consumption usage by region top N and bottom N 2019 and 2020 month region total consumption by after lockdown region wise state usage.

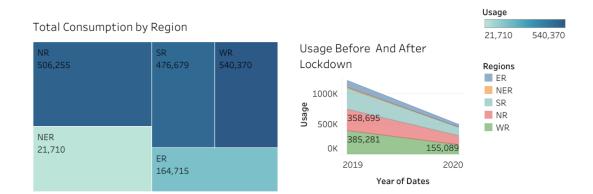
Usage

21,710

540,370

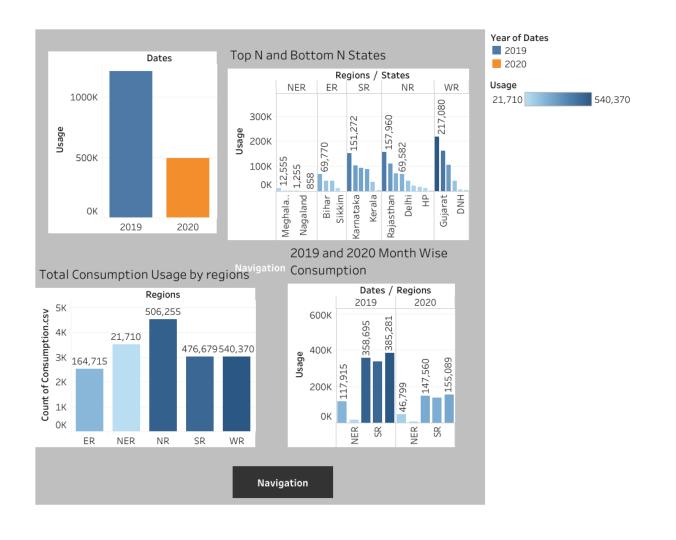




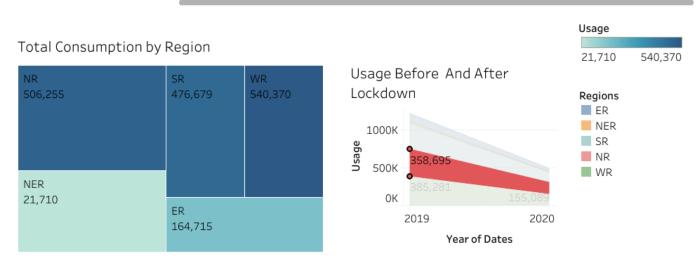


#### Region Wise State Usage Quarter And Year





top N and 2019 and 2020 month bottom N st.. wise consumption total consumption by region usage before and usage quater usage a.. dashboard 1 dashboard 2



#### Region Wise State Usage Quarter And Year

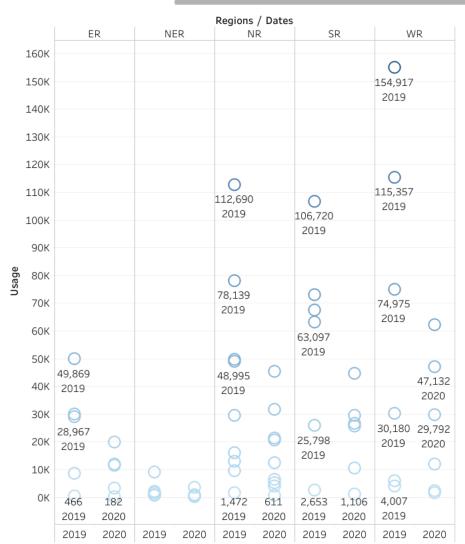


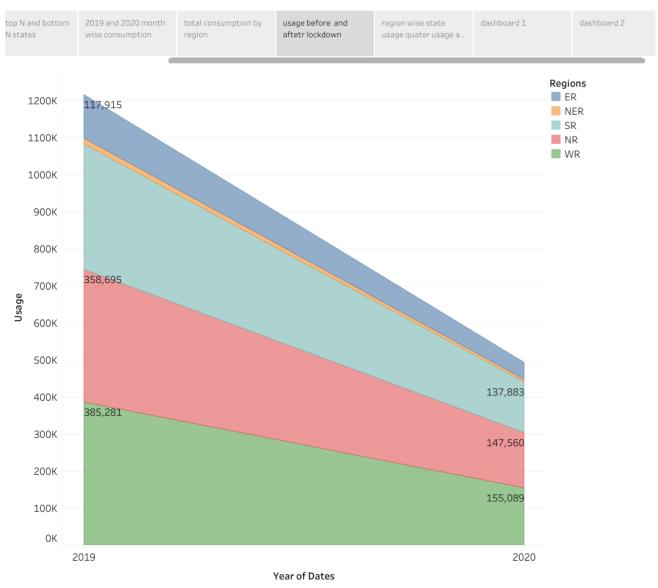
top N and 2019 and 2020 month total consumption by usage before and bottom N st.. wise consumption region usage before and aftetr lockdown after lockdown dashboard 1 dashboard 2

Usage

182

154,917





# **CONCLUCTION**

We have extracted the Insights from the date and put the date in the form of visualizations, Dashboards and Story. We conclude from that visualizations China, is a country, have large assets in the banking industries.