

# Project Report Template

## 1. Introduction

### (i) overview

⇒ Our project explains about electricity consumption represents the amount of electrical energy that has been consumed over a specific time, in units of wh, electricity demand represents that rate at which electrical energy is consumed for a needed output rating.

### (ii) purpose

⇒ Our project purpose is to use electricity for lighting, heating, cooling and refrigeration and for operating appliances, computers, electronics, machinery and public transportation systems.

## 4. Advantages of electricity

⇒ It is clean, safe, cheap and convenient source of energy.

⇒ Lower maintenance cost

⇒ More efficient

## Disadvantages of electricity

⇒ Damming can cause loss of land suitable for agriculture as well as recreation.

- ⇒ More expensive than gasoline
- ⇒ Sometimes messes up wildlife
- ⇒ More power plants and more pollution

## 5. Applications

⇒ Electricity is unrivaled for many uses, as for computer operation, motive power and entertainment applications.

## 6. Conclusion

To accomplish this project, we complete all the activities listed below

### (1) Define problem

- ⇒ Specify the business problem
- ⇒ Business requirements
- ⇒ Literature survey
- ⇒ Social or Business impact.

### (2) Data collection and Extraction from Database

- ⇒ collect the dataset
- ⇒ Storing data in DB
- ⇒ perform SQL operations
- ⇒ connect DB with Tableau

(3) Data preparation

⇒ prepare the data for visualizations

(4) Data visualizations

⇒ No of unique visualizations

(5) Dashboard

⇒ Responsive and Design of Dashboard

(6) Story

⇒ No of scenes of story

(7) performance Testing

⇒ Amount of data rendered to DB

⇒ Utilization of Data Filters

⇒ No of calculation Fields

⇒ No of visualizations

(8) web integration

⇒ Dashboard and story embed with ui with  
Flask

(9) Project Demonstration & Documentation

⇒ Record explanation video for project end to  
end solution.

⇒ Project documentation - step by step project  
development procedure



## 7. Future Scope

⇒ Electricity will largely replace petrol and diesel as a fuel for road vehicles.

⇒ Electricity will grow in importance as a carbon-free energy carrier.

I want something reliable

I am expecting something different

I wish someone would advise me on how to make greener home

I want to feel that I am contributing to making things better

Everything on the market is mass produced and lack authenticity

I want see possibl a qu w m

Is this expensive?



Give them a name and a portrait to empathize with your persona.

Makes research



Lack of wealth

Asks electricity board officer

Experimentally tested

Impacts of energy insecurity include poverty and financial difficulty

Issues of energy supply



# Business Data Analytics

Die Business Analytics  
beinhaltet die Analyse von  
Betriebsdaten zur Gewinnung  
von Erkenntnissen für  
Entscheidungen.

- 1. Datenmanagement
- 2. Datenanalyse
- 3. Datenvisualisierung

**1. Datenmanagement**  
Die Datenmanagement umfasst die  
Erhebung, Speicherung und  
Verarbeitung von Daten.

- 1. Datenmanagement
- 2. Datenanalyse
- 3. Datenvisualisierung

**2. Datenanalyse**  
Die Datenanalyse umfasst die  
Auswertung von Daten zur  
Gewinnung von Erkenntnissen.

- 1. Datenmanagement
- 2. Datenanalyse
- 3. Datenvisualisierung

**3. Datenvisualisierung**  
Die Datenvisualisierung umfasst die  
Darstellung von Daten in einer  
einfach verständlichen Form.

- 1. Datenmanagement
- 2. Datenanalyse
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**4. Datenvisualisierung**  
Die Datenvisualisierung umfasst die  
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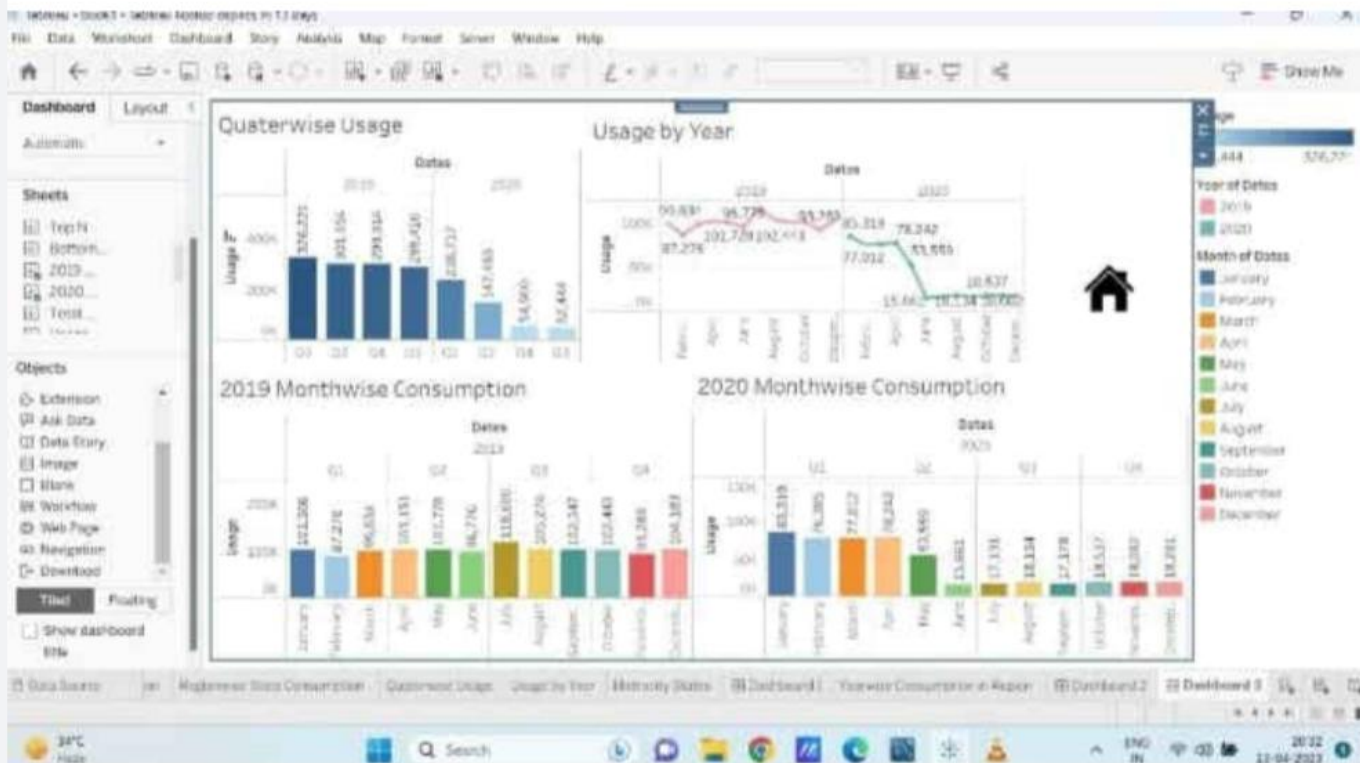
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## STORY ON ELECTRICITY CONSUMPTION

Electricity consumption by indian states in 2019

Electricity consumption by indian states in 2020

Bar plot for total electricity consumption by indian

Regionwise plot consumption in 2019 was compared to 2020

Plot defines Top Consumption by indian states in year

Plot defines Bottomwise consumption by Indian

In year 2019 Electricity Consumption was

In year 2020 Electricity consumption in India

Electricity Consumption for period of march to

The most Consumed highest i

