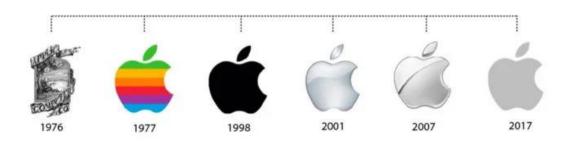
# IRevolution: A Data-driven Exploration of Apple's iphone Impact in India



### **Project Submitted BY:**

**U.Logeshwari** 

A.Logeswari

K.Maluthi

N.Nandhini

### Introduction:

The world has changed as a consequence of the increasing use of smartphones, which have improved communication, connected people, and revolutioned many different businesses. With its main product, the iphone, capturing markets around the world, Apple Inc. has emerged as a prominent player among the top smartphone markers. India, one of the economies with the greatest economic growth, has seen a tremendous increase in smartphone usage, making it an interesting market to study the effects of Apple's iphone.

In order to shed light on important factors like market penetration, customer preferences, economic ramifications, and societal changes, this research report will perform a data-driven investigation of the impact of the iphone in India. This study will offer invaluable insights into the transformative impact of the iphone on India's technological landscape and the lives of its consumers by using advanced data analytics techniques and analyzing large datasets.

Apple has a special chance to increase its market share and develop a significant presence in India thanks to the country's large population and rising smartphone adoption. Each new iphone model unveiling generates excitement and anticipation among Indian's buyers. By utilizing the plethora of information. Already accessible, this research aims to go beyond conjecture and anecdotal evidence in order to develop a thorugh knowledge of the effects of the iphone.

# Milestone 1: Define Problem/ Problem Understanding

### Activity 1: Specify the Business Problem

The objective of this study is to obtain a thorough understanding of how Apple's iphone would affect the Indian market. It particular, we want to investigate the market penetration of iphones in India, comprehend consumer preferences and decision-making processes, and assess the social and economic effect of iphone adoption. We aim to offer insights that can direct designs for Apple and other stakeholders active in the Indian smartphone industry by leberaging data analytics and visualizations using tableau.

#### **Activity 2: Business requirements**

the project's business needs call for data analysis and visualization in order to understand how apples iphone affected india.

#### Activity: 3 Literature survey

the literature survey would involve a search for relevant publications, articles, and academic papers on the topic, as well as analysis of the various research.

Activity: 4 Social are business impact

#### Social impact:

An important components of this study is the societal impact of apple's iphone in india.

#### **Business Impact:**

Research must focus on how apples iphone has affected business in india. We seek to examine the economic effects of iphone uptaking in the Indian market using data analytics and tableau visualisations.

### Milestone: 2 Data collection and preparation:

Data collection is the process of gathering and measuring information on variables of interest in a fashion that enables one to answer stated research questions, test hypotheses, and evaluate outcomes and generate insights from the data.

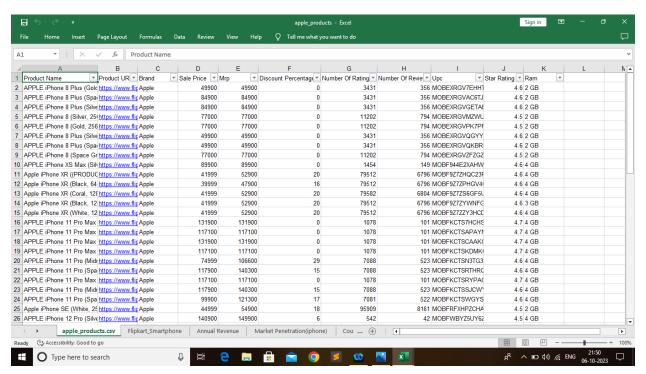
Activity: 1 Collect the data set

Activity1.1: Understand the data

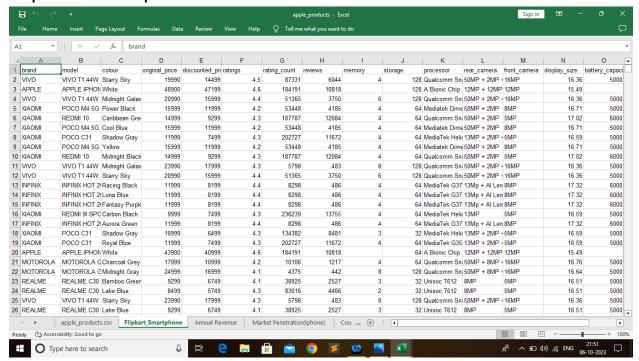
Data contains all the meta information regarding the columns descrided in the CSV files. We have provided the XLSX file.

Column description for Big ml dataset CSV:

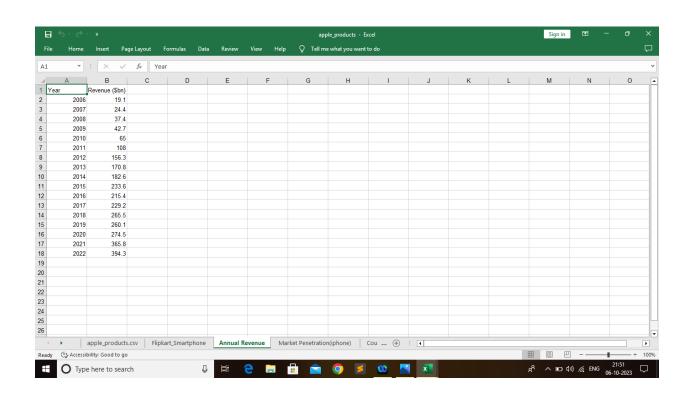
Apple products CSV



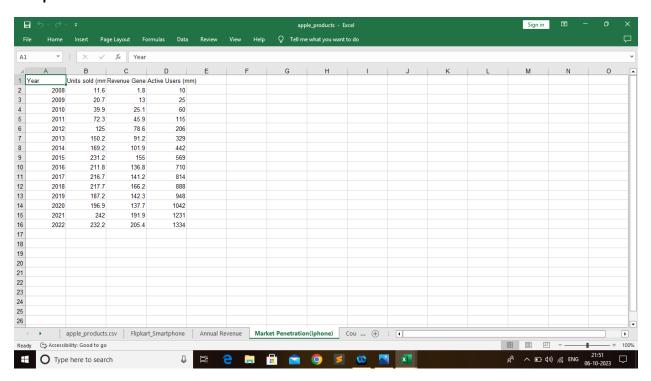
### Flipcart smartphones



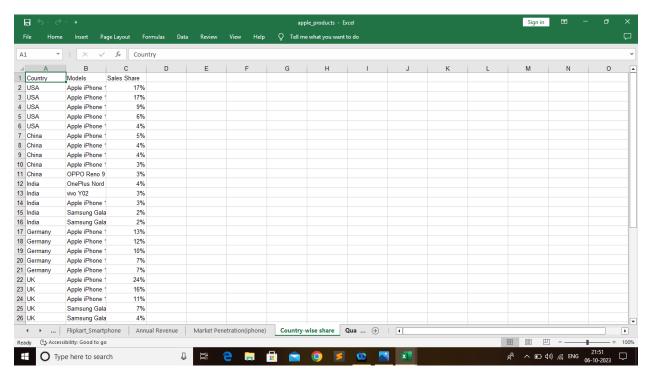
#### Annual revenue



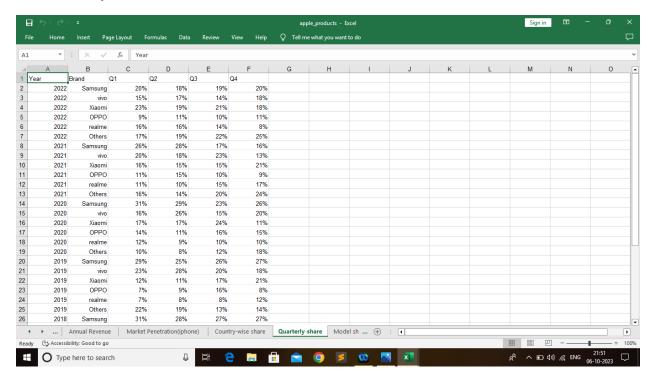
### Market penetration



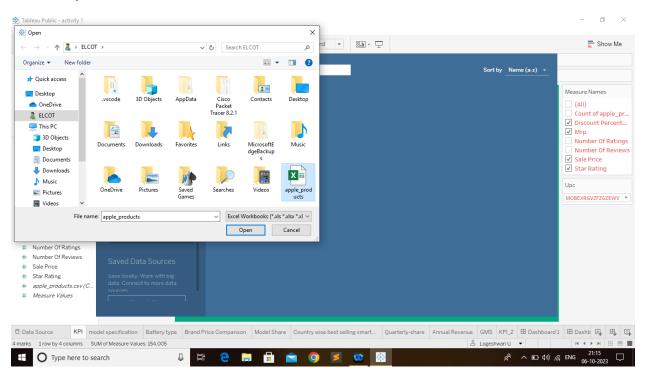
### Country wise share



### Quarterly-share



### Activity 2: Connect datasets with tableau



## Milestone 3: Data preparation

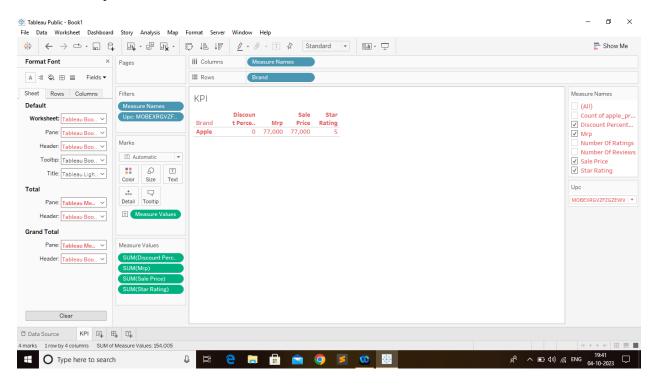
Activity 1: prepare the data for visualization

Data and rules for combaining and shaping data to prepare it for analysis and visualization in tableau. Data module sources data madule can be based on data servers, pakages, uploaded files, data sets, and other data moduls

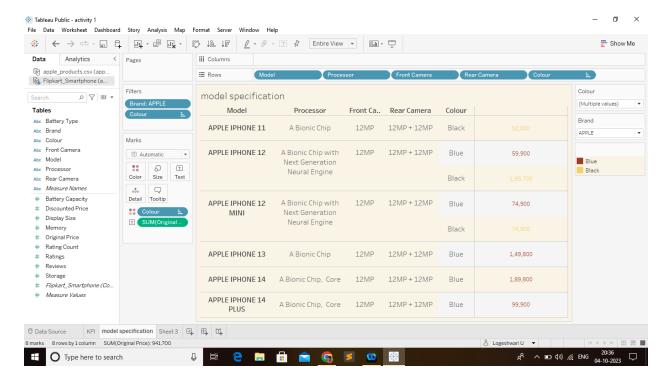
## Milestone: 4 Data visualization:

# Activity 1: No of unique visualisations

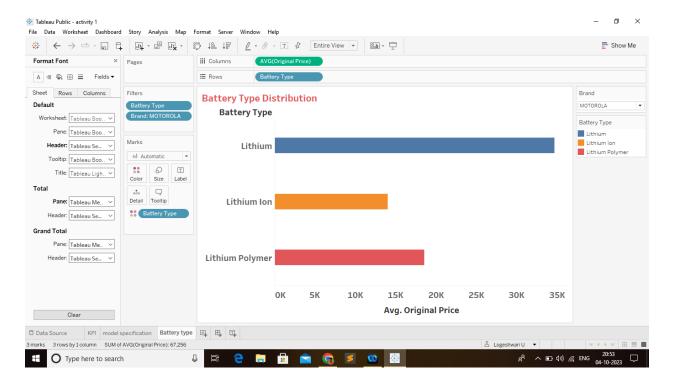
Activity1.1: KPI



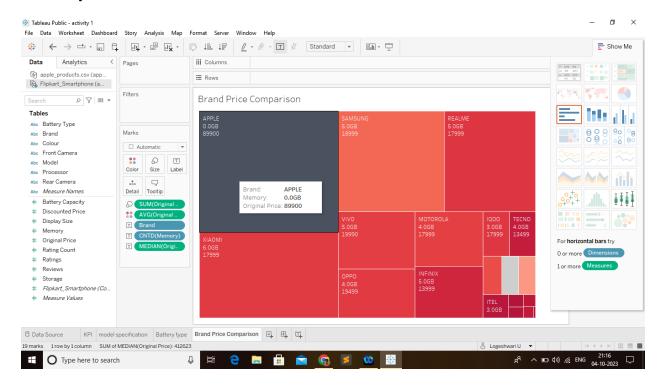
Activity 1.2: Model specification



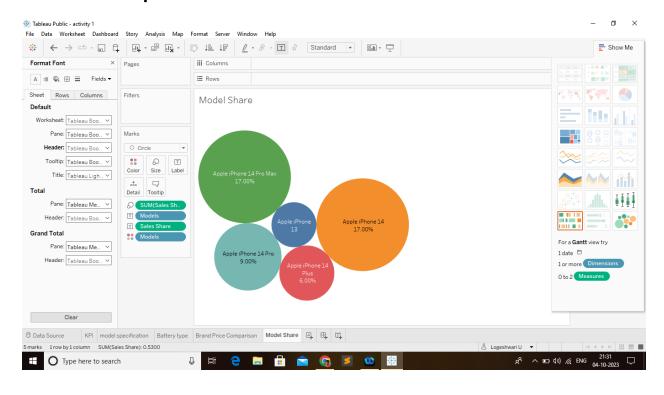
# Activity 1.3: Bar chart showing battery-type disrribution



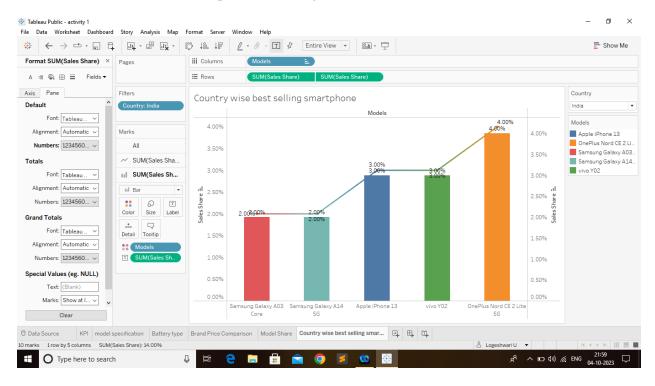
# Activity 1.4: Treemap showing brand-price comparison



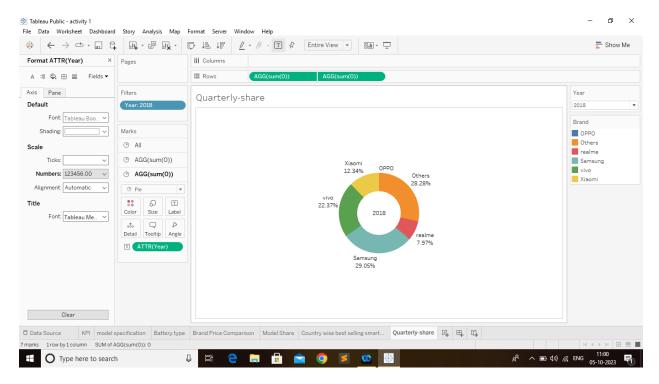
# Activity 1.5: Bubble Chart showing Model-wise share of iphone



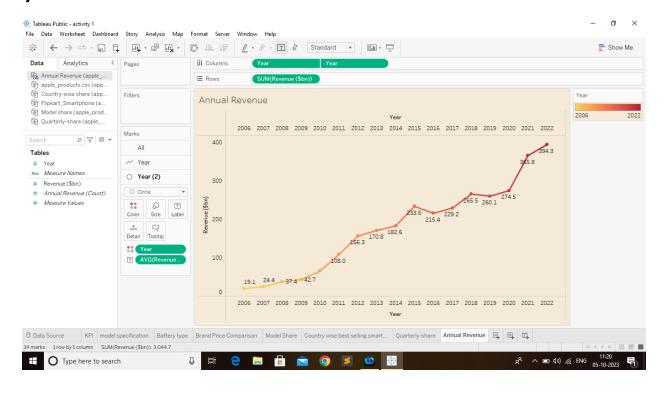
# Activity 1.6: Lined bar-chart showing Countrywise best selling smartphone



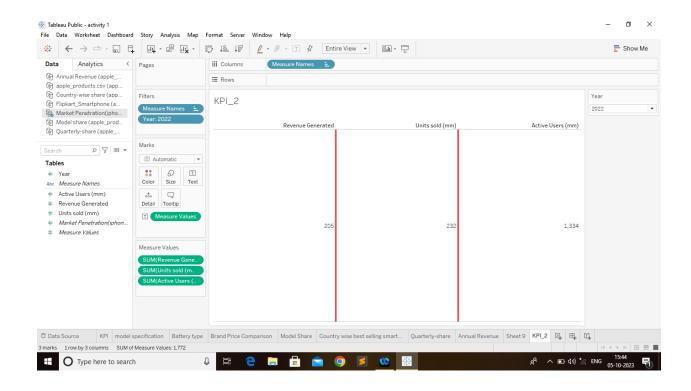
# Activity 1.7: Donut chart for Quarterly share



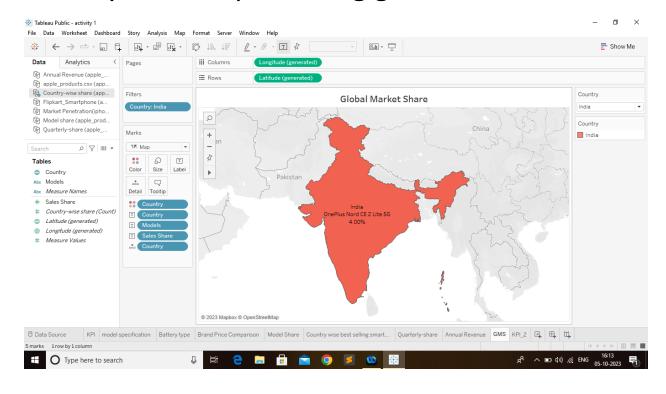
# Activity 1.8: Line chart for Annual revenue year-wise



# Activity 1.9: Text table for yearly KPI

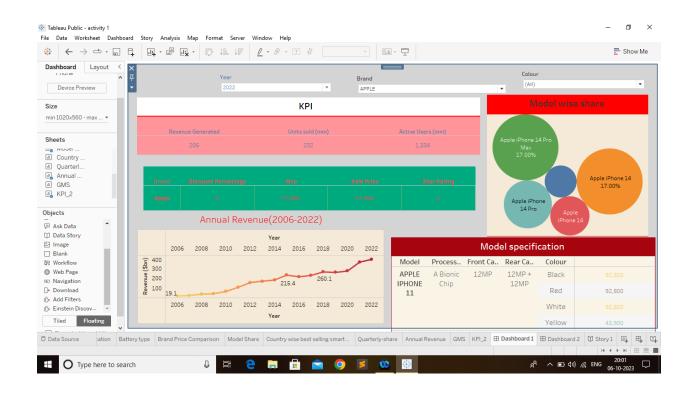


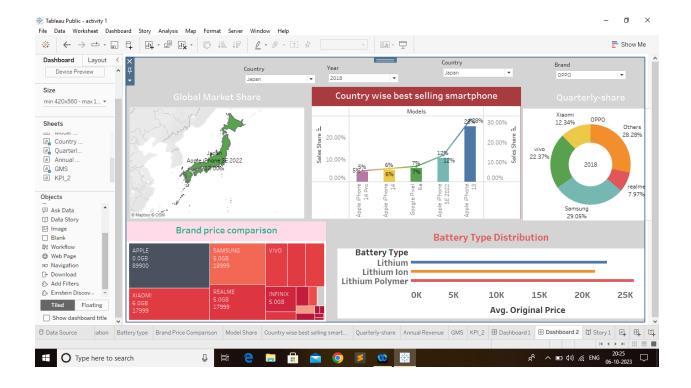
# Activity 1.10 Map showing global market share



## **Milestone 5: Dashboard**

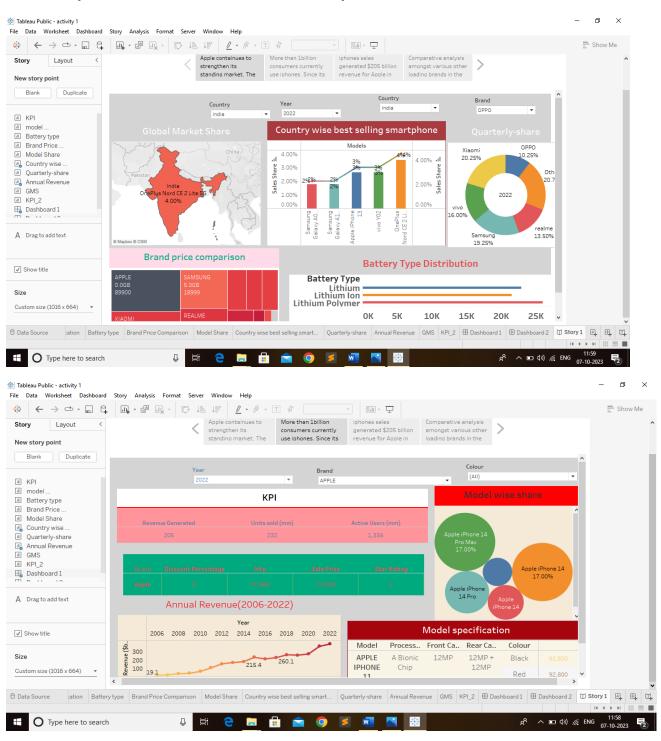
# Activity:1-Response and design of dashboard

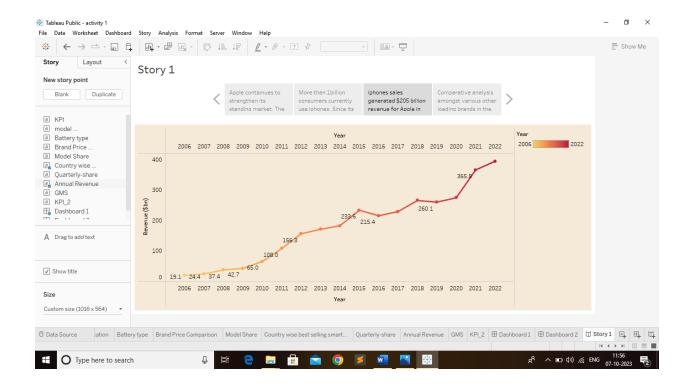


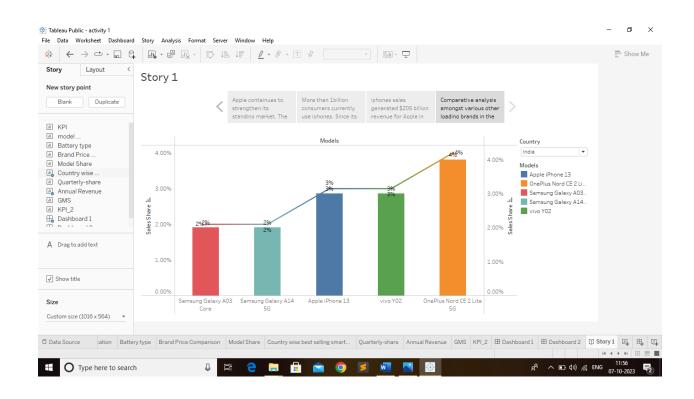


# **Milestone 6: Story**

### Activity: 1- No of Scenes of story

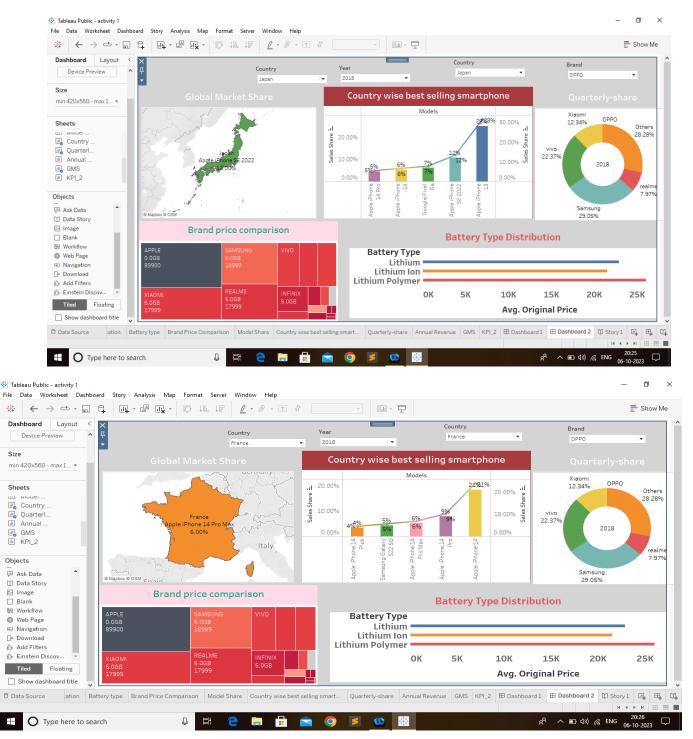


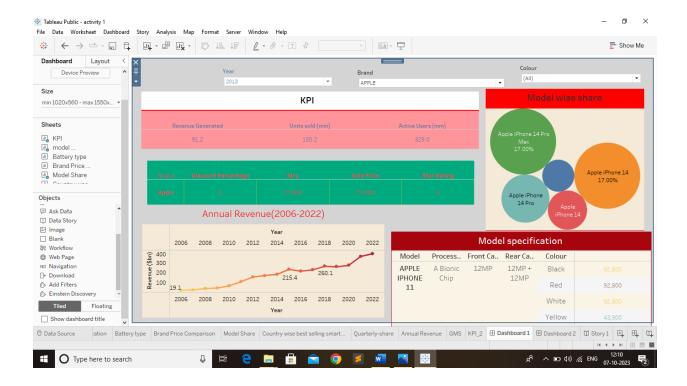




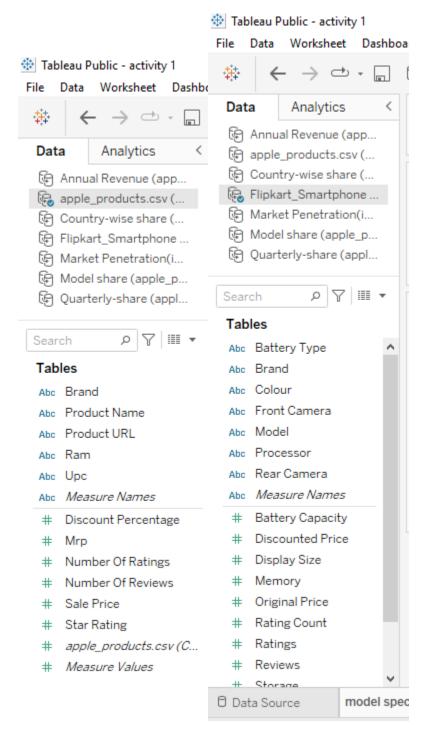
# **Milestone 7: Performance Testing**

# Activity 1: Utillization of testing





### Activity 2: No of Calculation fields



Activity 3: NOof visualizations/graph

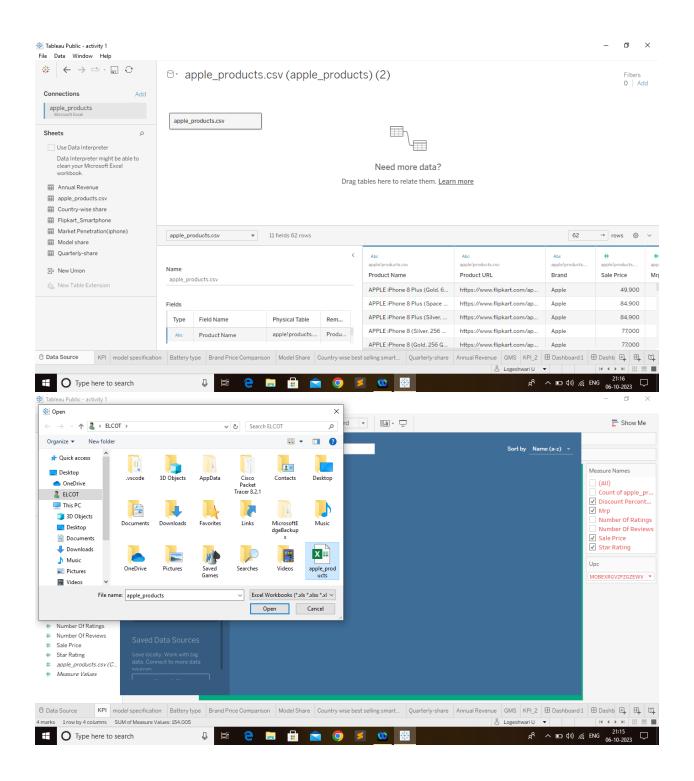
KPI

- Model Specification
- Model-wise share
- Battery-type distribution
- Brand-price Comparison
- Model-wise Share of iphone
- Country-wise best-selling smartphone
- Annual Revenue year-wise
- KPI-2
- Global Market Share

# **Milestone 8:Publishing**

### Publishing dashboard and reports to tableau public

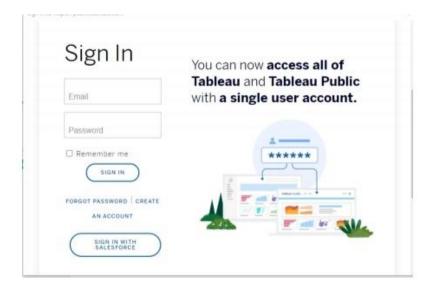
Step 1 Go to data source and select Extract so that hyper extension files are created and save it at your desktop.



Step:2 GO to Dashboard/story, click on share button on the top ribbon



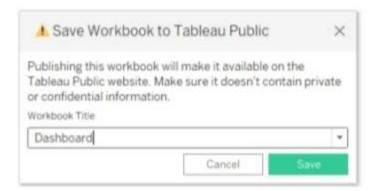
Give the server address of your tableau account and click on connect.



Sign in to your tableau public account or create a new account if you don't have one. You can visit the tableau public website and click on the "sign in" or "join" button.

In the "tableau public sign in" window, enter your tableau public accont credentials and click "sign in".

Next, you'll need to proide a title and description for your workbook. Fill in the appropriate details in the provided field of workbook title.



Click on the "save" button to start the publishing process. Tableau Desktop will uploaded your workbook to tableau public.

Once the upload is complete, a browser will automatically open, displaying your published workbook on tableau public. Review the workbook to ensure that everything appears as expected.

## **Advantages and Dis advantages:**

### Advantages:

- Fast processers for better performance
- Apple blends hardware and software well
- Apple has always been the clear winner
- User friendly interference
- High quality display

### Dis Advantages:

- Cost
- Non removable battery
- Limited customisation
- Frailty
- No Expandable Storage

### **Conclusion:**

In this project we analysis iphone users in india in year on year.