GOVERNMENT ARTS COLLEGE, PARAMAKUDI UG DEPARTMENT OF MATHEMATICS

PROJECT TITLE:

IREVOLUTION: A Data Driven Exploration Of Apple

IPhone's Impact in India

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INTRODUCTION

One year after Apple Inc. CEO Steve Jobs announced the company's industry-changing iPhone on anuary 9, 2007, at the Macworld convention in San Francisco, the share price of Apple's stock has more han doubled to a January 9, 2008, value of \$179.40 (See Chart 1). This stock price incorporates all of Apple's business, but a large part of the rise in value can be attributed to the launch of the cutting-edge Phone, of which four million have already been sold through mid-January 2008 (Carew, 2008). Based on his simple observation of the stock price, the iPhone can so far be declared a success, at least from a hareholder standpoint. This paper will explore both the pre- and post-launch activities surrounding the Phone to explain why it was such a success for the stockholders and why Apple's reputation for imparalleled marketing success is deserved.

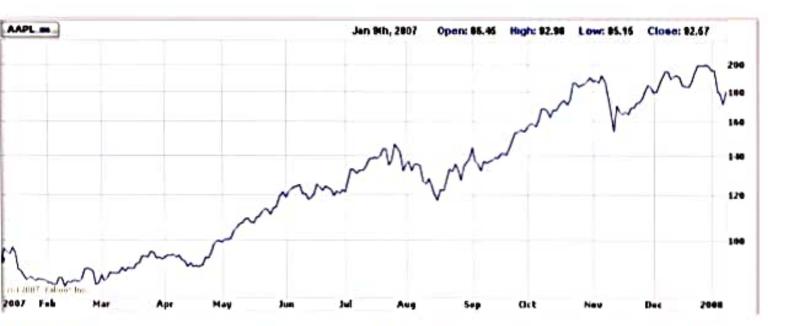


Chart 1: This chart denicts the astounding growth of Apple's stock from January 9, 2007, to January

rne world has changed as a consequence of the increasing use of smartphones, which have improved communication, connected people, and revolutionized 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 makers. India, one of the economies with the greatest economic growth, has seen tremendous increase smartphone usage, making it an interesting market to study the effects of Apple's iPhone.

Says

Whatheve we heard them say? What can we imagine them saying? **Empathy map**

Thinks

What are their wants, needs, hopes, and dreams? What other troughts might influence their behavior?



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Phones offer more security and privacy: The iPhone even stops apps from tracking your activity online because of a limited OS and patform. Its livessages and FaceTime video calls are aso end-to-end encrypted

The Phone His Changed The Why We Communicated Before the first Phone his the market, a few cell phone companies put armens intheir phone hat the parmeres used in these Phones were head and shoulters above the



Does

What behavior have we observed? What can we imagine from doing? Feels

What are their tears, hustrations, and anxieties? What other feelings might influence their behavior?





Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

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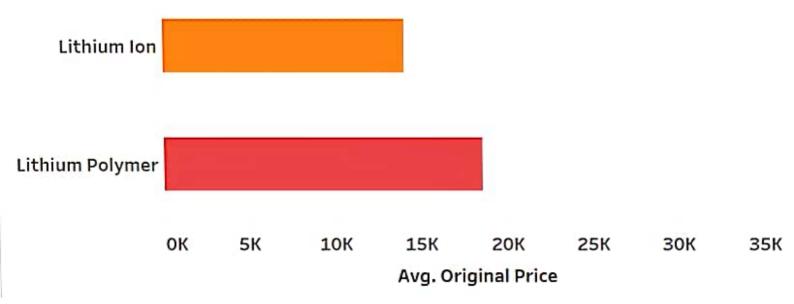
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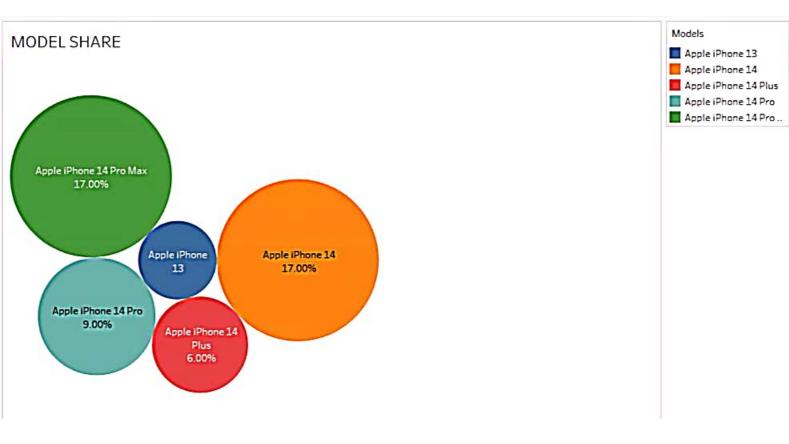
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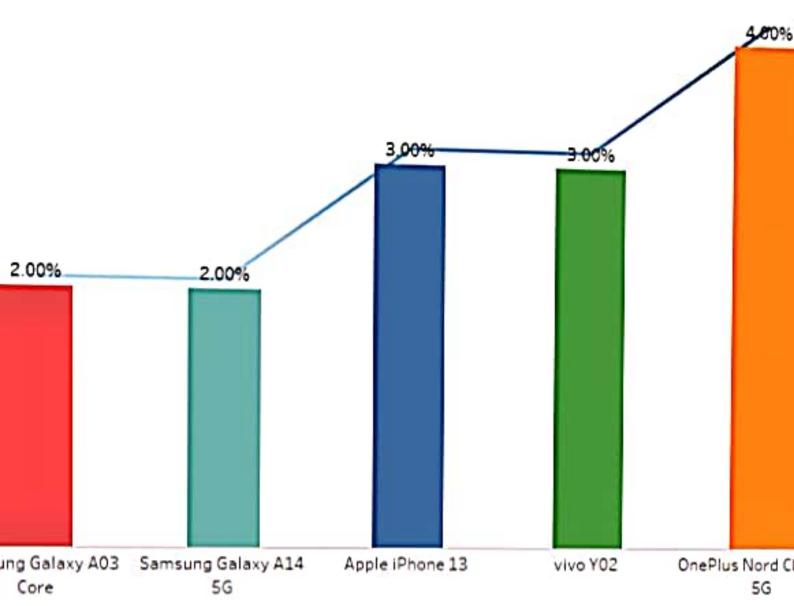
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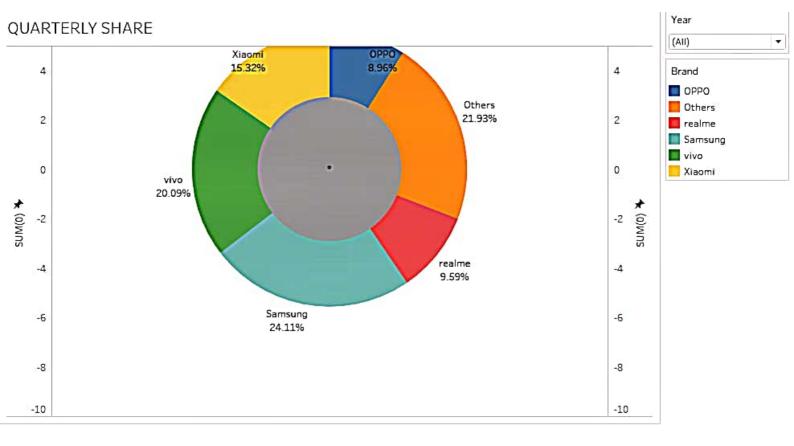
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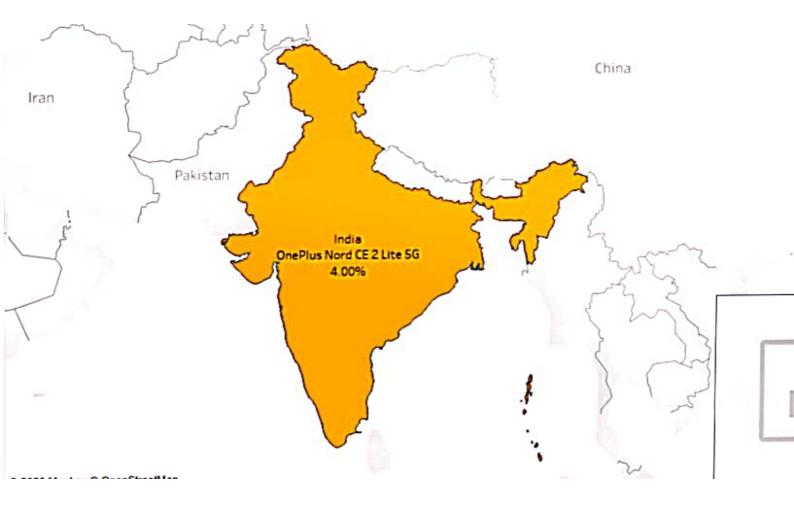


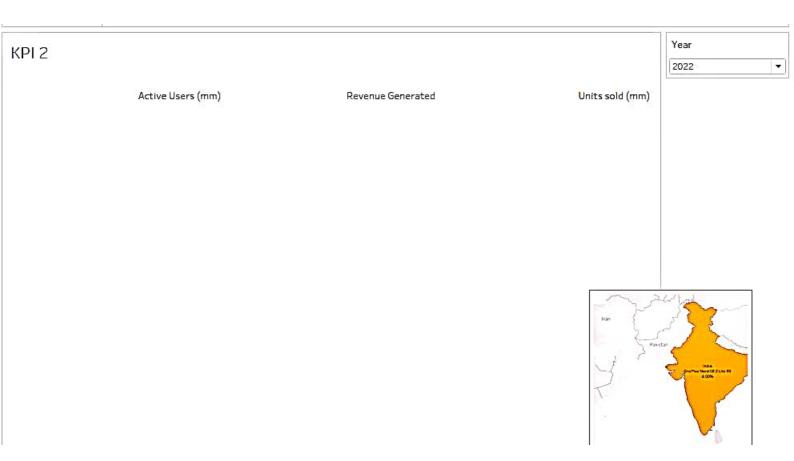
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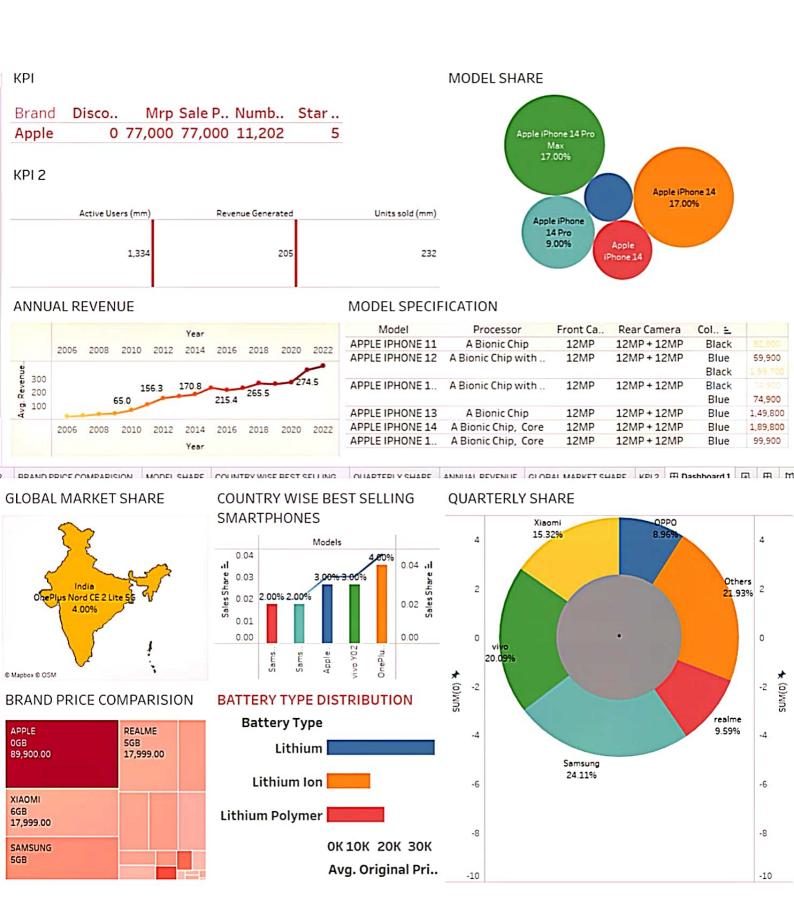
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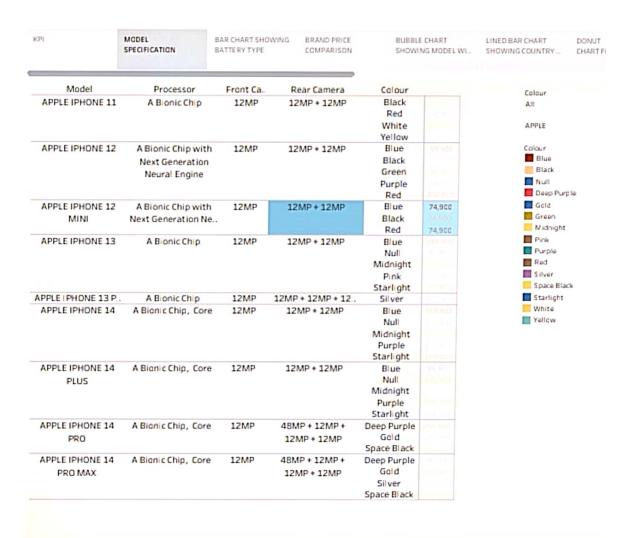




5.STORIES

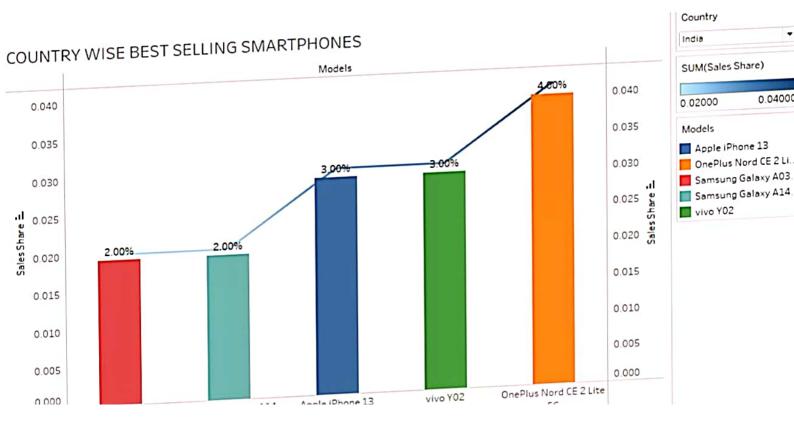
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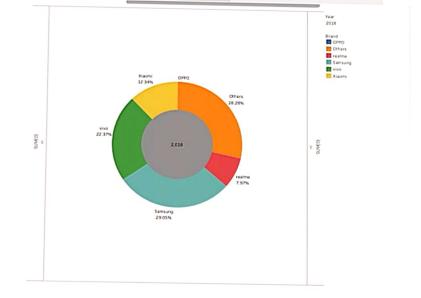
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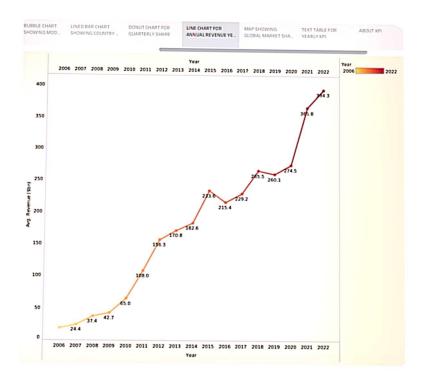


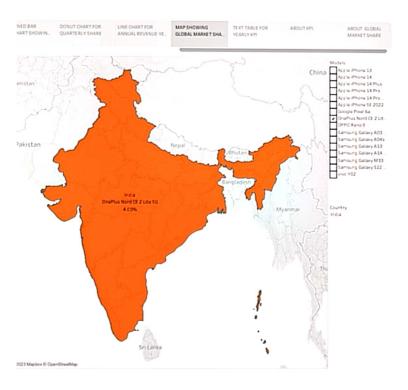
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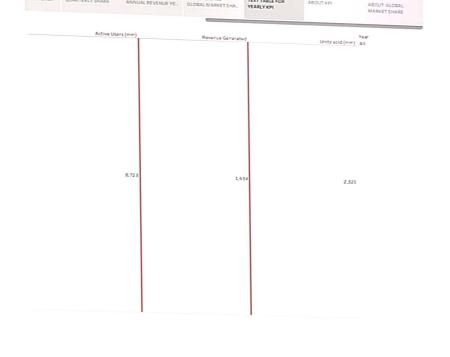




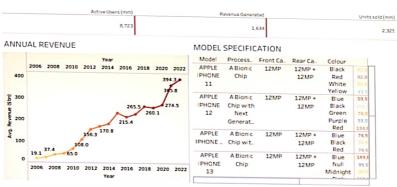


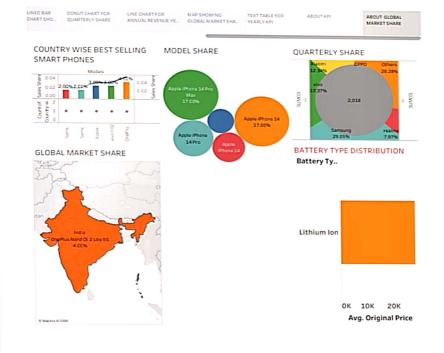












REVIEW AND JUSTIFICATION OF IPHONE FEATURES

The Wall Street Journal's technology guru, Walter Mossberg, finally published his review of the iPhone only two days before its launch. Overall, he described the iPhone as a breakthrough handheld computer despite some shortcomings (Mossberg and Boehret, 2007). The iPhone's design is creating problems with some iPhone accessories. For example, the headphone jack is deeply recessed on the multimedia device, meaning an adapter will be needed in order to use certain headphones with the iPhone. Secondly, the device does not have the ability to cut, copy, and paste text, which could be extremely annoying if people are going to use the device to send and receive emails throughout their workday. The iPhone is also missing instant messaging software, but it still has the ability to send and receive standard text messages. Though the phone has a two-megapixel camera, it lacks the ability to record videos, a common feature on competing smart phones. Finally, when the iPhone is first released it will not have the ability to play most video on the Internet because it does not utilize Adobe's Flash technology.

Mossberg still has plenty of features to brag about on the iPhone, starting with the gorgeous 3.5-inch screen. Most importantly, during the two-week test the device lacked any protection, and it never received a single scratch on the screen or on any other part of the device. This is potentially very important to the early majority adopters because the iPod plastic screen scratched easily. The highly touted virtual keyboard lived up to the hype as Mossberg found it to be functional during the test. One important question mark regarding the iPhone is its battery life; consumers are concerned the battery will not be sufficient to last all day and still utilize all of the iPhone's capabilities. But Mossberg writes that the battery is adequate and gave him seven hours and 18 minutes of continuous talk time while retrieving email constantly (Mossberg and Boehret, 2007).

Apple is still trying to justify to consumers why the device will use AT&T's EDGE network instead using 3G, which is the fastest wireless technology from AT&T. Jobs is quick to admit the iPhone will not surf the internet as fast as most users would like, but just as quickly he says that is why the device has the ability to seamlessly switch to WI-FI, giving the consumer the best of both worlds. AT&T's CEO and Chairman Randall Stephenson says the utilization of the EDGE network is common among smart phones. He notes, "EDGE is the only ubiquitous nationwide broadband network deployed today" (Wingfield and Sharma, 2007). The two executives believe users will find the EDGE network to be sufficient, at least initially.

DIFFERENTIATION FROM COMPETITORS

Apple has been working hard since Jobs made the announcement to differentiate itself from other smart phone on the market. Newspaper articles are constantly mentioning the 3.5-inch screen as an industry first. Also, Mr. Jobs has been obdurate from the beginning that the phone must have a touch-sensitive keyboard because he dislikes the keyboards on Research in Motion's BlackBerry and Palm's Treo (Sharma et. al., 2007). Since January, Apple has worked hard to make sure that their iPhone stays on the front page of newspapers across the country. This has severely limited competitors from fighting back with their new smart phones. Nokia is selling the N95, which is a smart phone geared to compete against the iPhone with its ability to play music and DVD-quality video (Yuan and Sharma, 2007). The N95 has more features than the iPhone, but it lacks a major U.S. partner for widespread distribution and carries a \$749 price tag in the U.S. market. Other competitors such as LG Electronics are also rushing high-end smart phones to the market in an attempt to keep customers using their devices instead of switching to Apple's iPhone.

iPhone:

- Advantages:
- 1. Sleek and user-friendly design, with a consistent look and feel across all devices.
- 2. Strong ecosystem, with seamless integration between devices and services, such as iCloud and Apple Pay.
- 3. Regular updates and timely access to new features, ensuring users have the latest and most secure software.
 - Disadvantages:
- 1. Limited options in terms of device sizes and designs, as well as higher prices compared to some Android devices.

IPHONE SALES

Since the release of Apple's iPhone on June 29, 2007, it has sold an astounding four million units (Carew, 2008). The hype surrounding its release helped it become the fourth most popular handset in the U.S., and by the end of the October, Apple reported selling 1.12 million units. Additionally, it has become AT&T's most popular handset, commanding nearly 13 percent of its overall sales (Appleinsider, 2007). During Apple's 2008 Macworld keynote address Jobs announced that the iPhone had a 19.5 percent share of the smart phone market in the same quarter (Carew, 2008). Consumer satisfaction with the iPhone has been significantly higher than its competitors, according to a 2008 ChangeWave survey. Additionally, the survey shows the iPhone is the top choice among those planning to buy a new phone in the next six months (2008). Despite the fears of a looming consumer-led economic recession. Apple executives still believe the goal of selling 10 million iPhones by the end of 2008 is attainable.

Reaching this goal, however, will depend on future modifications to the iPhone and marketing efforts in the slowing economic conditions. The normally secretive Jobs let it slip in September that consumers can expect a 3G iPhone in 2008 (Miles, 2007). He expects that improvements in technology will allow for the faster network without affecting the battery life of the device. The recent release of a 16 gigabyte iPhone demonstrates Apple's continued ability to recreate their products and spur sales as market conditions change. Additionally, Apple is releasing a software development kit (SDK) which will allow third parties to market software for the iPhone. This is an excellent example of the emerging two-party