

ANALYSING HOUSING PRICES IN METROPOLITAN AREAS OF INDIA

PROJECTED SUBMITTED TO BHARATHIYAR UNIVERSITY FOR NAAN MUDHALVAN
SCHEME FOR THE AWARD OF THE DEGREE OF

B.Sc., MATHEMATICS

Submitted By

III B.Sc., Mathematics Student

VASUKI M

Under the Guidance of

Dr. A. NISHARA BEGUM, M.Sc., M.Phil., Ph.D.
(Associate Professor)

Dr. R. SATHYALAKSHMI, M.Sc., Ph.D.
(Assistant Professor)



DEPARTMENT OF MATHEMATICS
CHIKKAIAH NAICKER COLLEGE
(Affiliated to Bharathiyar University)
ERODE-638004

1.INTRODUCTION:

OVERVIEW

City Life offers lots of benefits such as better infrastructure, medical care, education, entertainment venues, etc. So, most people can be drawn to city life and there has always been a high rate of migration from rural to urban areas. However, contrary to popular belief of comfortable city life, it has both benefits and drawbacks as explained below;

Are you curious about the most expensive places to live in the country? Discover the top 10 costliest cities in India in 2023?

While India is known for its affordability, the major metropolitan areas can be expensive due to various factors. Let's delve into the details and explore which is the most expensive city in India among them.

Mumbai

Mumbai is also known as India's financial capital, where thriving commercial and residential real estate markets contribute to the higher cost of living. Amid the glamour and opportunities, the price of living in Mumbai is higher than in other Indian cities. Nonetheless, the residential plots in Mumbai attract a good amount of investors and home buyers.

Hyderabad

Hyderabad has emerged as India's second most expensive housing market after Mumbai. The city offers a blend of classic charm and modern amenities.

Delhi

Delhi the capital and a massive metropolitan area, offers a diverse lifestyle .Although the cost of living here is slightly higher, the city compensates with its varied offerings and attractions.

Bangalore

Bangalore is famous for its thriving high-tech industry and large population with relatively higher incomes. While the cost of living is high, the city's opportunities attract many professionals seeking a better lifestyle.

Chennai

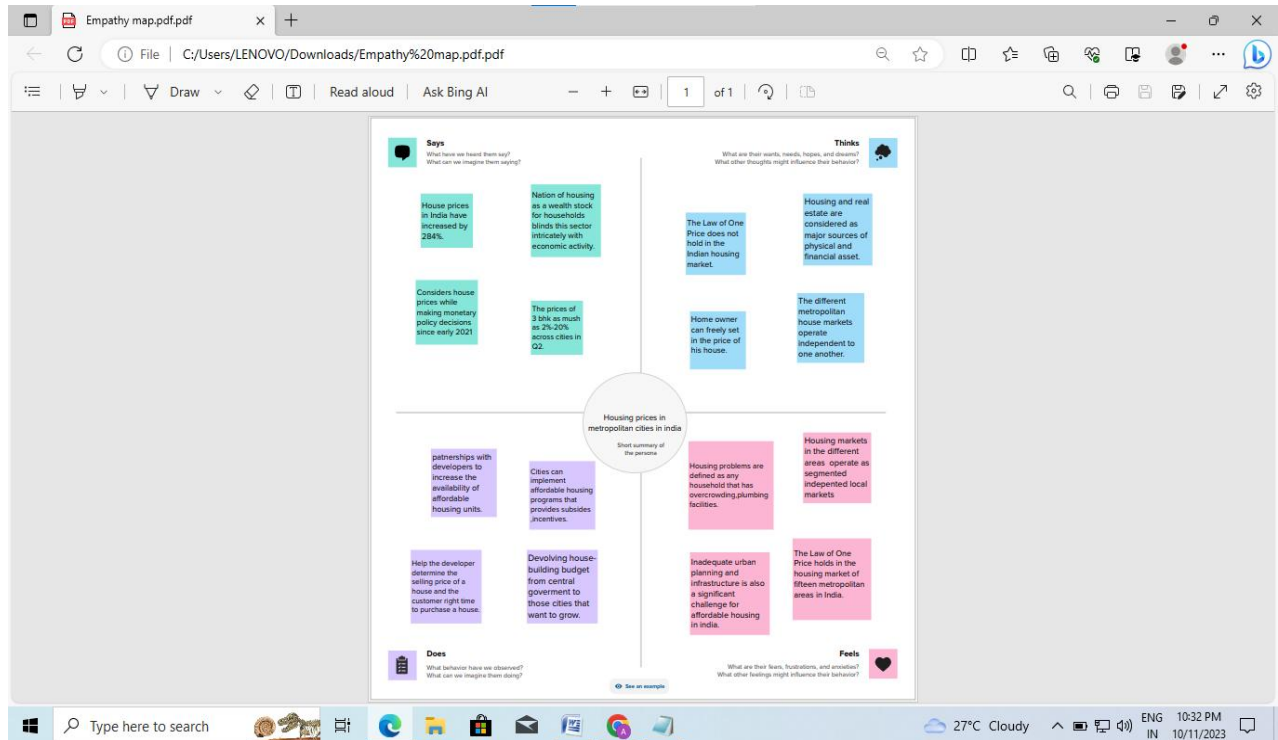
Chennai, the capital of Tamil Nadu, is a haven for shoppers but has higher living costs. A monthly salary of around 50,000 to 90,000 INR is advisable for comfortable living in this vibrant city.

Kolkata

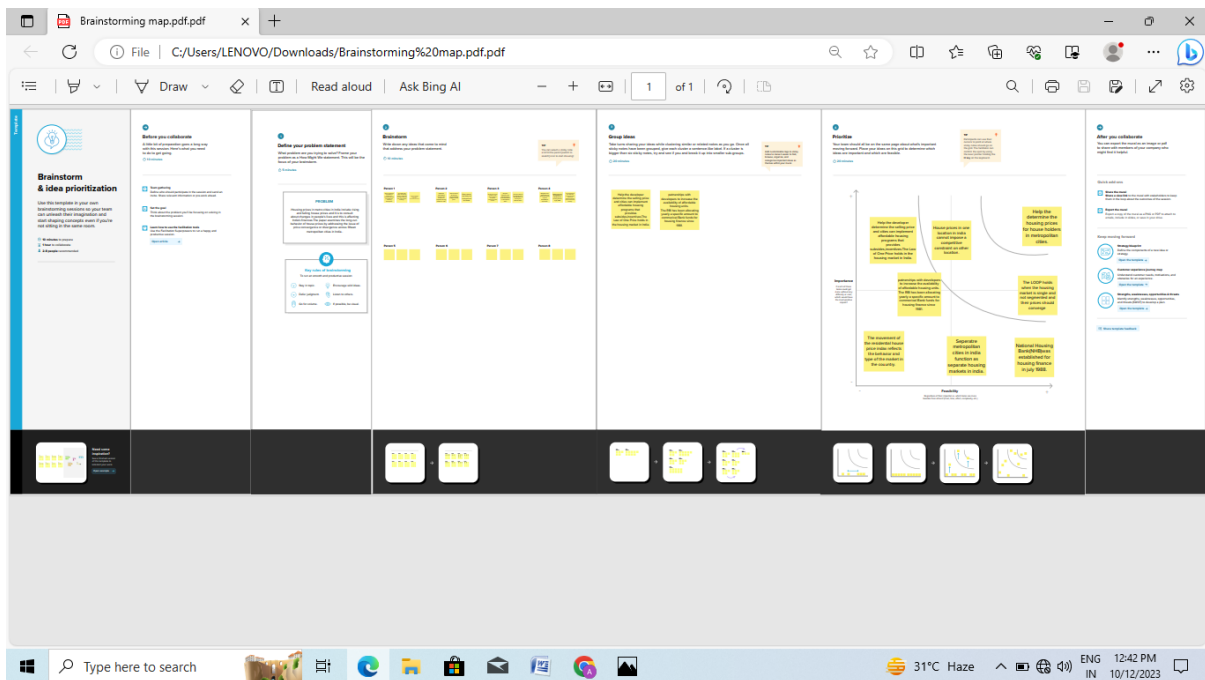
Kolkata, India's third-largest economy, showcases diverse living costs depending on the area of residence or work. Some posh neighborhoods are among the country's costliest, while others offer more economical options.

2.PROBLEM DEFINITION & DESIGN THINKING

1.EMPATHY MAP



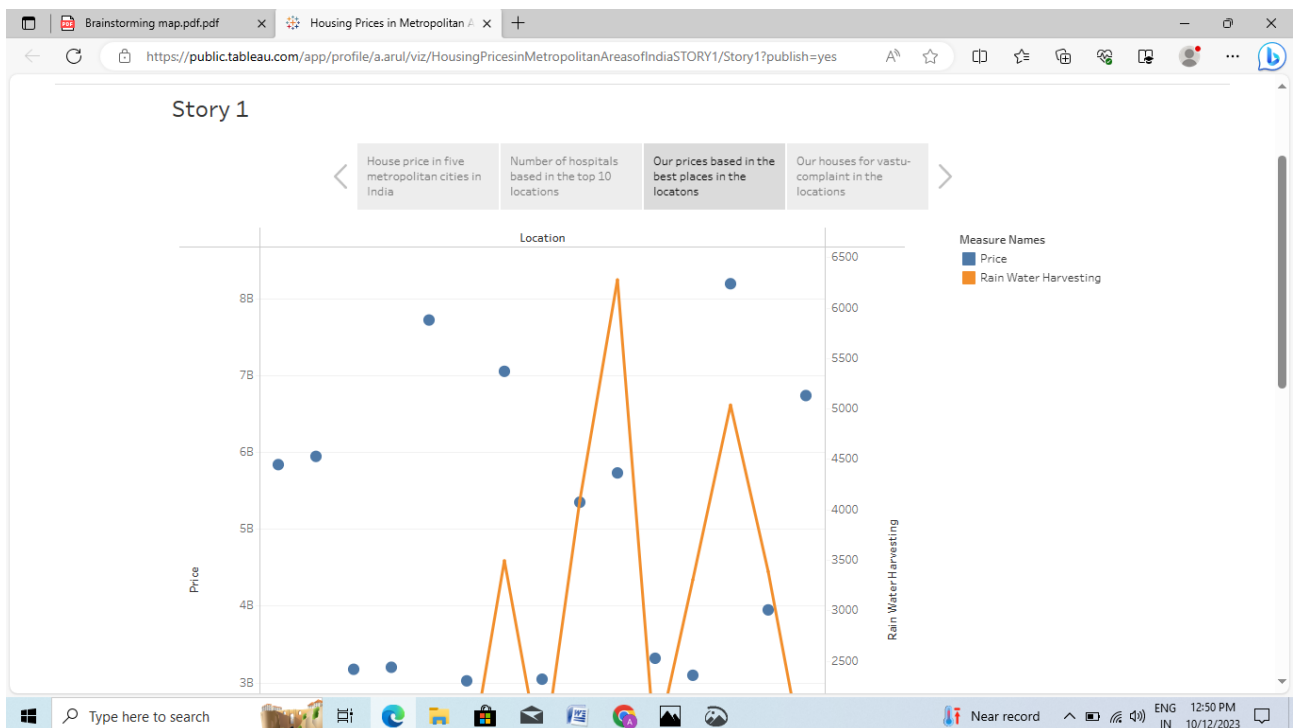
IDEATION & BRAINSTORMING MAP



DATA SET:

[Download link](#) (click to download)

3.RESULT [story 1 link](#)



STORY 2 [Link](#)

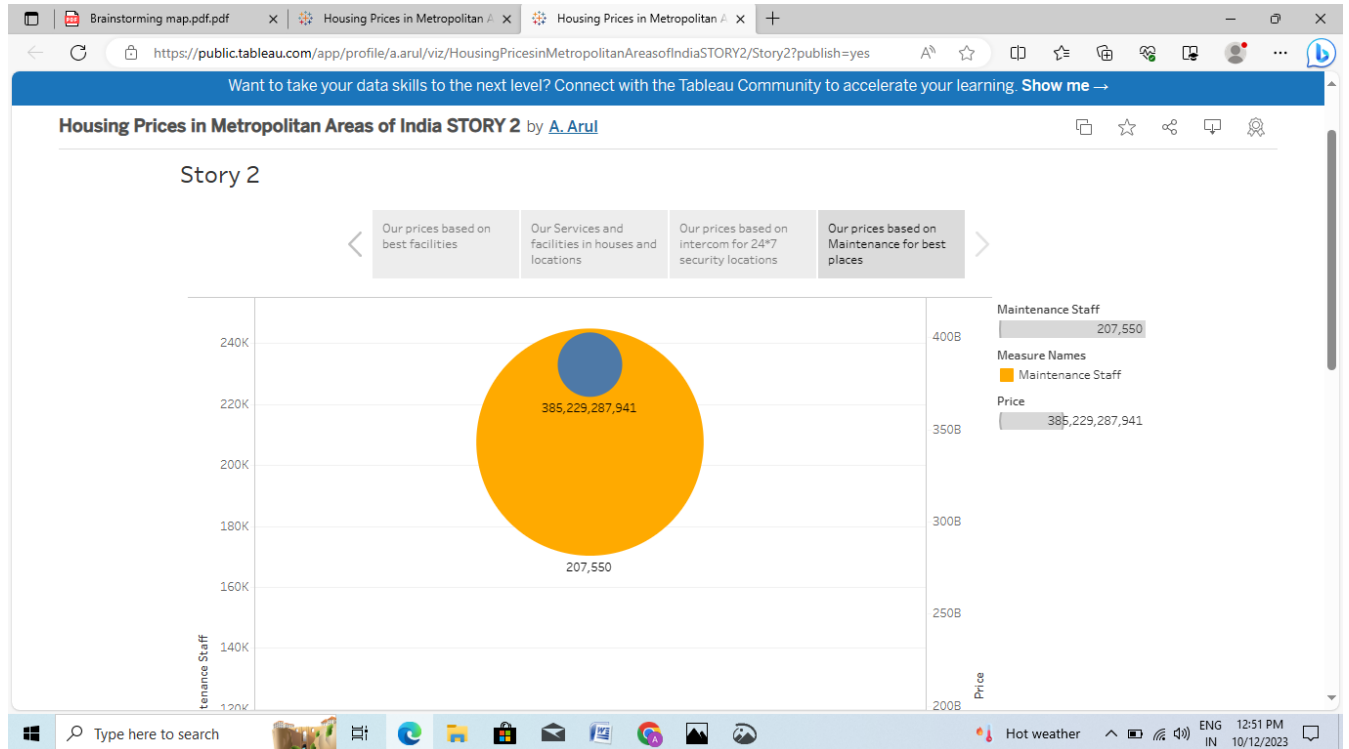
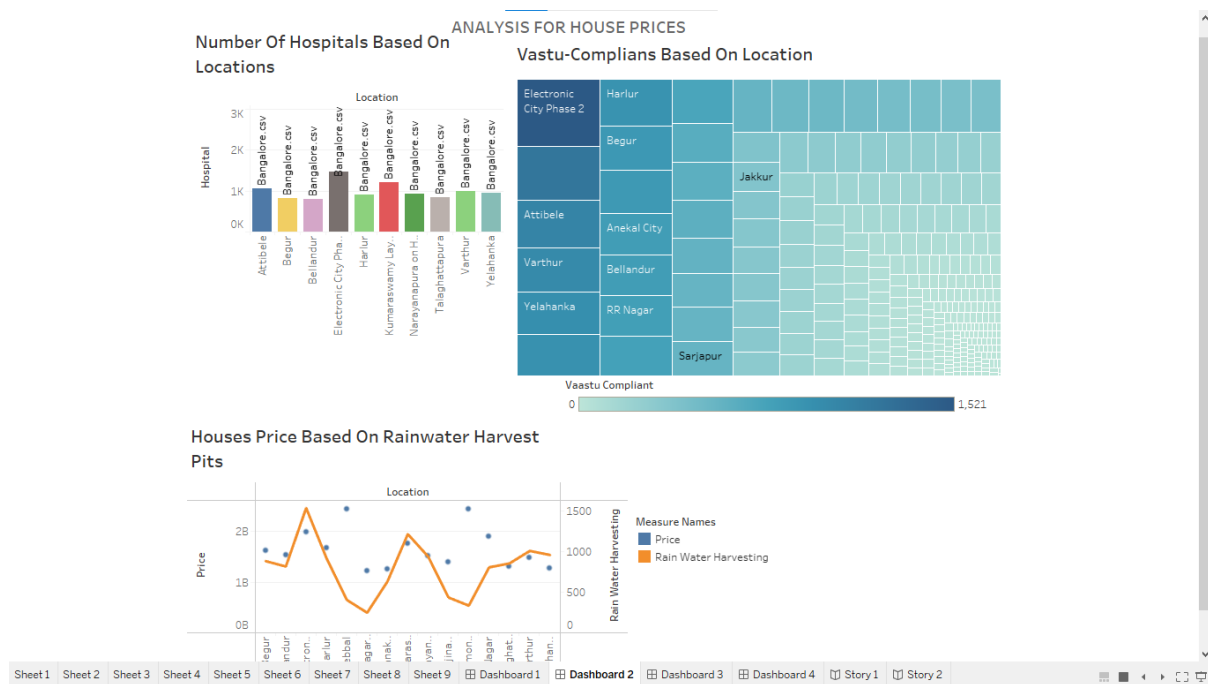


TABLEAU PUBLIC PROFILE LINK:

[click here](#)

TABLEAU DASHBOARD LINK:

[click here](#)



ADVANTAGES AND DISADVANTAGES

ADVANTAGES :

1. Transportation

The most significant benefit of living in an urban area can be attributed to better transportation. People can choose to take public transportation, walk, or ride their bikes instead of paying exorbitant petrol and maintenance costs. The good news is that major urban areas have cutting-edge train and bus infrastructure. These modes of transportation offer frequent service at reasonable pricing. This increases the comfort and affordability of travel.

2. Various Entertainment Options

Cities are packed with open spaces, concert halls, museums, theatres, cultural attractions, and other entertainment options. Several options are available in these densely populated places for maximizing your free

time. Other than large retailers, skyscrapers, & office buildings, the arts and entertainment in a city can also be a draw.

3. Places to Eat and Shop

Some experiences that aren't available in smaller towns can be found in urban places. Cities offer distinctive & memorable dining and shopping options, including departmental stores, boutiques, and ethnic food stores. You may visit malls and other business establishments if you need more goods.

There are a variety of eateries available for folks who have a busy schedule and cannot prepare their food. You can order online, which is much more practical. The meal of your choice will be brought right to your door while you are working from home. The lengthy wait won't be an issue because it will be quick. Additionally, every courier is kind, amiable, and competent.

4. Upgraded Infrastructure

Typically, equipment and services are less abundant in rural areas than in cities. The rural population is thus compelled to relocate to an urban area, for instance, to undergo surgeries, pursue higher education, or obtain more specialized medical help.

5. Networking

There should be thousands or perhaps millions of people living in a city. Many think living in an urban area makes it impossible to find comfort and peace. Nevertheless, it is always feasible no matter how many individuals there are.

There will be a benefit for you given the high population percentage. It offers limitless social potential for making friends and networking. Cities also have tremendous diversity, while individuals from similar backgrounds segregate into neighborhoods. Additionally, by residing here, you can expand your professional network. Further, it will foster personal bonds.

6. Medical Assistance and Care

The lack of modern hospital equipment in a rural place is the issue. The sick individual doesn't always get the most excellent care when hospitalized at a suburban medical facility. Sometimes visiting doctors will advise them to transfer to a hospital in a city, which is incredibly stressful and inconvenient for them.

DISADVANTAGES:

1. Less Privacy

Living in an overcrowded metropolis is the biggest drawback of urban existence. Because of the limited space and late-night events, your privacy is restricted. Privacy is simple to get in rural areas as compared to a city. The majority of structures are congested in a city. The most typical option is apartment living. As a result of being surrounded by so many people, your ability to maintain personal privacy will be compromised.

2. High Living Cost

It is predicted that an urban area attracts more people. The demand for housing increases due to the requirement to accommodate this population. A sharp price increase results from the public's great need. Each apartment is rented out for a hefty rent. The expense of outright acquisitions is even higher.

3. Insufficient Green Space

Typically, green spaces are rare in urban contexts. The remarkable thing is that even if they exist they can be challenging to find. People seek out these areas to engage in healthy physical activities like walking and running. There are fewer parks and other public spaces.

4. Pollution

The two biggest problems in metropolitan areas are motorized transportation and human waste. As a result, the atmosphere contains a significant amount of dangerous gases. Urban areas, in contrast to rural lifestyles, suffer from a lack of clean air, which causes substantial illnesses.

5. Violence

Violence in impoverished communities has increased due to a high unemployment rate in prominent city neighborhoods. Smuggling, and human trafficking are all examples of these heinous crimes. Asia, Africa, and Latin America all experience this problem severely. You may find it difficult to live somewhere without a sense of community.

APPLICATION:

Urban living may be challenging when you live alone. However, urban living also offers lots of benefits such as when time is tough you can visit shopping centers, eat at restaurants, and tour the area to have fun.