

# Course Capstone

*IBM professional data science capstone*

*Purchasing a house in Ahmedabad (Gujarat, India)*

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## **Introduction:**

The city of Ahmedabad (Gujarat, India), located at the centre of the state is home to many industries, branches of national and multi-national companies as well as tons of start-ups.

This is due to the policy of government whose aim is to make the city a major industrial/ business friendly city. This attracts lots of people from all across the state and country for the job opportunity. This accompanied by people migrating to the city from neighbouring villages rises demand for houses.

## **Business Problem:**

All the people want to buy an affordable housing for themselves. But the problem is they don't know which area is the better one and also the price trend of that area. It's also important to note that crime rate in that particular area as well as nearby area can also affect this decision. This decision can also be affected by mall, garden, grocery store in that area etc. So, the aim is to find ideal place for the stay which satisfies our criteria/ parameters.

## Targeted Audience:

Targeted audiences for this project are the people looking for houses in the city as well as those who want to invest in property. This can also be helpful for those who want some property for warehouse or non-residential purposes.

## Data:

Data of Ahmedabad city will be obtained from the site of city([https://ahmedabadcity.gov.in/portal/jsp/Static\\_pages/demographics.jsp](https://ahmedabadcity.gov.in/portal/jsp/Static_pages/demographics.jsp)).

This site also includes the education as well as education of citizen of any given word.

Data of current pricing of any place in any areas will be obtained through these two links.

- 1) <https://www.99acres.com/property-rates-and-price-trends-in-societies-in-ahmedabad>
- 2) <https://www.makaan.com/price-trends/property-rates-for-buy-in-ahmedabad>

For data abstraction Beautiful Soup will be used.