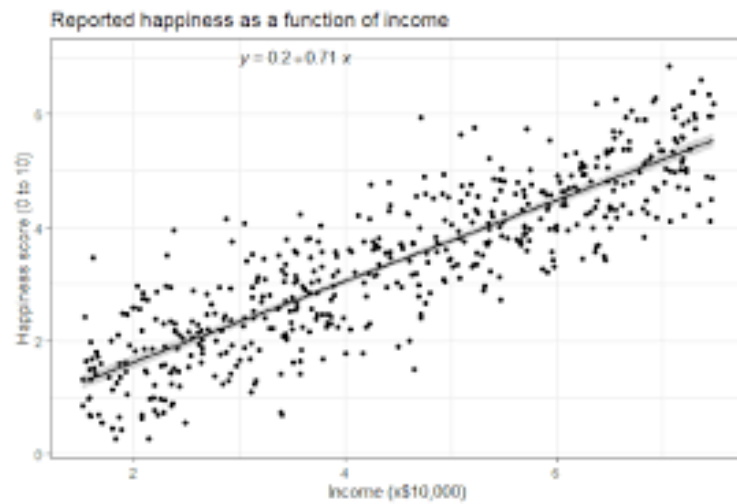


Guwahati House Price Prediction

1. **Objective:** The project aims to address the challenge of accurately predicting house prices in Guwahati. Predicting house prices can be difficult for buyers, this project leverages machine learning to provide a more reliable and data-driven way to forecast house prices based on relevant features. By solving this problem, the project helps to make the real estate market more transparent, reducing the risk of overpricing or undervaluation for stakeholders.
2. **Introduction** : In this project, I have chosen to use a regression algorithm to predict house prices. Specifically, I used the Linear Regression algorithm. The model is trained on historical data, and provides accurate price predictions. I also considered other algorithms such as Decision Trees and Random Forests, SVM, but Linear Regression provided a good balance between performance and explainability in this context.
3. **Why I Chose Linear Regression:** Linear regression is one of the simplest algorithms, making it easy to interpret. This project involves continuous numeric values, linear regression is a natural choice as it is specifically designed for regression problems, where the goal is to predict a continuous output. Many features related to house pricing, such as size, location, and the number of rooms, tend to have linear relationships with

the price so it provides good accuracy compared to other models.



4. Design: Steps involved to create the machine learning model that can predict House price.

