10Alytics

House Pricing Prediction

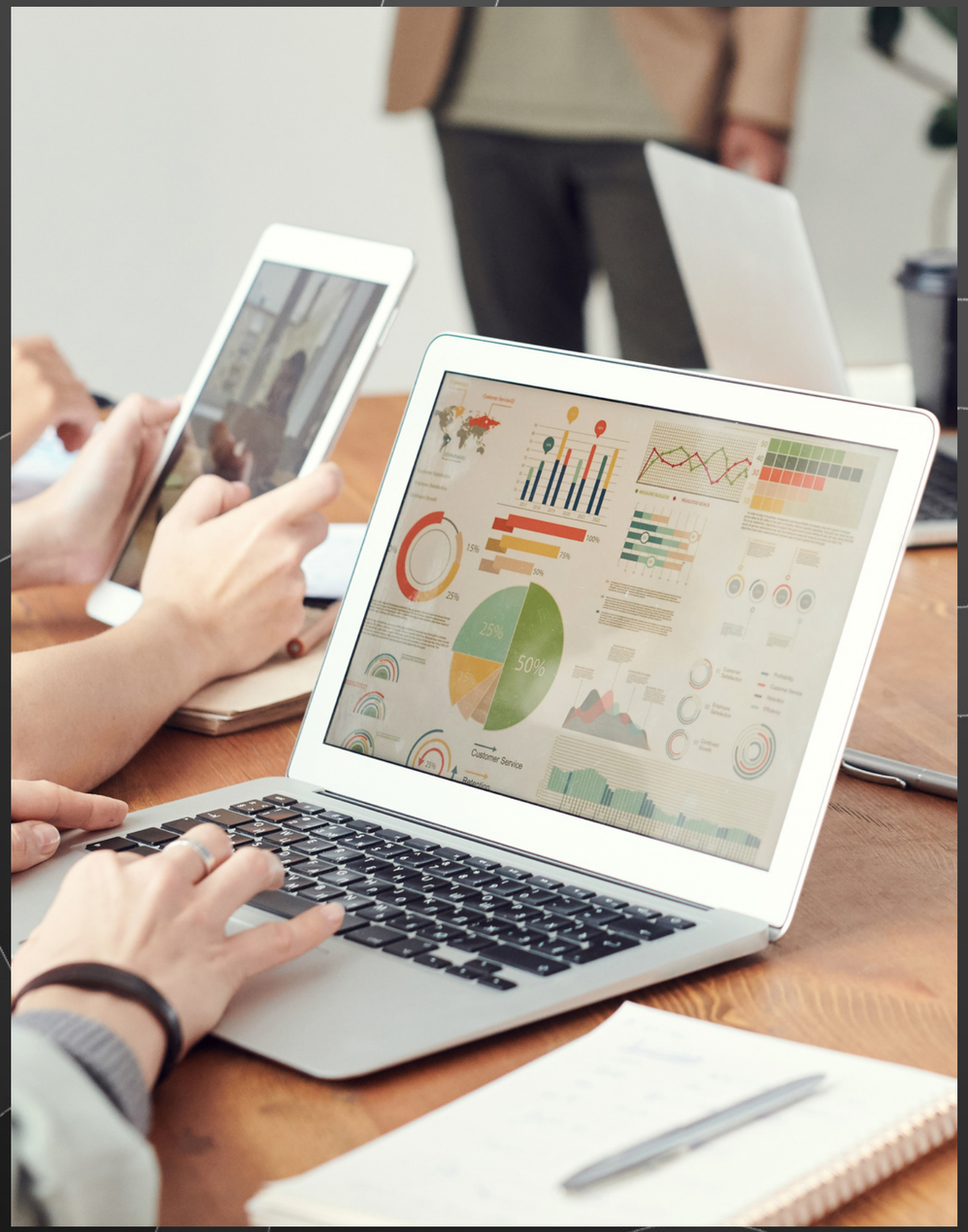
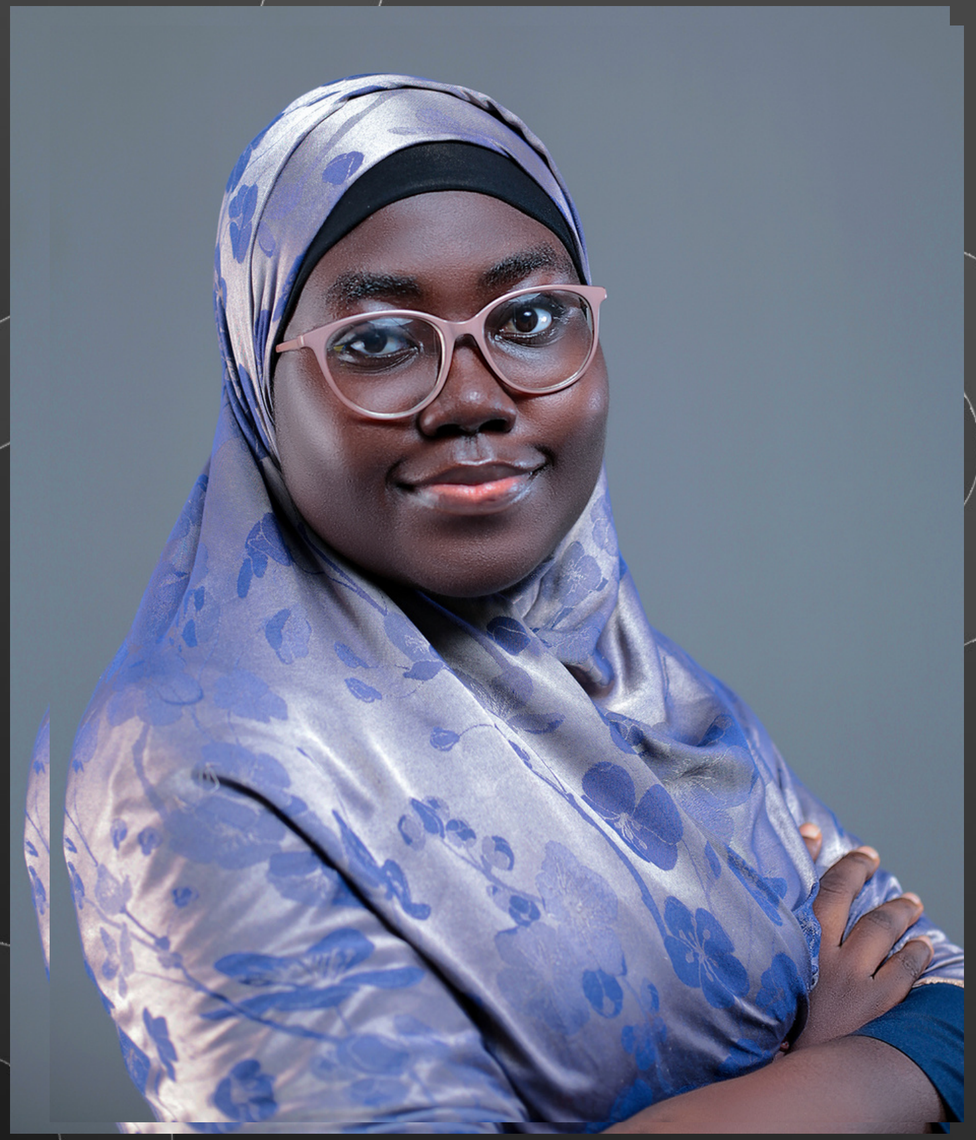


Tableau Class

10Alytics

Shukurat is a senior Data Associate at 10Alytics. She is a seasoned data analyst with over 5 years of experience in the Education and IT Security sector. She holds a Bachelor's and Master's degree in Computer Science and is a '22 Scholar at the Nigerian University of Technology and Management

Shukurat excels in leveraging her expertise to analyze data and extract valuable insights,acontributing significantly to data-driven decision-making and enhancing organizational efficiency.



INTRODUCTION

10Alytics

In today's dynamic real estate market, accurately predicting house prices is crucial for both buyers and sellers to make informed decisions. The ability to forecast housing prices empowers real estate professionals, investors, and homeowners to navigate the market with confidence. As the real estate landscape continues to evolve, leveraging advanced analytics becomes imperative for staying ahead of the competition.

Our organization recognizes the significance of harnessing data-driven insights to enhance decision-making in the real estate sector. To address this, we aim to embark on a House Pricing Prediction Analysis using Tableau. Tableau, with its powerful visualization capabilities, will serve as the cornerstone for transforming complex data into actionable intelligence. Through this analysis, we intend to provide stakeholders with a predictive model that not only estimates house prices accurately but also identifies key factors influencing the market dynamics.

10Alytics

PROBLEM STATEMENT

The real estate market is characterized by its inherent volatility and sensitivity to various factors, making accurate house pricing predictions a challenging task. The existing methodologies often fall short in capturing the intricate patterns and nuanced influences that contribute to fluctuations in housing prices. Our problem statement revolves around the need to to understand factors that influence the market and develop a robust predictive model that leverages historical and current data to offer precise insights into house prices within our target market.

DATA DICTIONARY

- Id: Unique Identifier
- SalePrice - the property's sale price in dollars.
- MSSubClass: The building class
- Street: Type of road access
- Utilities: Type of utilities available
- LotConfig: Lot configuration
- Neighborhood: Physical locations within Ames city limits
- HouseStyle: Style of dwelling
- OverallQual: Overall material and finish quality
- OverallCond: Overall condition rating
- YearBuilt: Original construction date
- YearRemodAdd: Remodel date
- RoofStyle: Type of roof
- Bedroom: Number of bedrooms above basement level
- Kitchen: Number of kitchens

DATA DICTIONARY

- KitchenQual: Kitchen quality
- TotRmsAbvGrd: Total rooms above grade (does not include bathrooms)
- Functional: Home functionality rating
- Fireplaces: Number of fireplaces
- FireplaceQu: Fireplace quality
- GarageType: Garage location
- GarageYrBlt: Year garage was built
- GarageFinish: Interior finish of the garage
- GarageCars: Size of garage in car capacity
- GarageArea: Size of garage in square feet
- MoSold: Month Sold
- YrSold: Year Sold
- SaleType: Type of sale
- SaleCondition: Condition of sale

KEY METRICS

1. How many Houses were sold
2. Revenue generated fro the sales
3. Some factors that influence sales
4. Relationship between sales price and other factors
5. Sales Price Predictions based on historic data.

10Alytics

DATASET

Important Notes

Post your dashboard on the Whatsapp group and tag me upon completion.

Post your work on LinkedIn and write briefly about your work using a STAR approach. Keep it concise yet compelling. Tag @10Alytics