

Rent Prediction in Nigeria

Introduction: Changing location is a cost-intensive project, and getting value for one's money in this market is labor-intensive also. This project aims to help rent-seekers properly budget for this task, using data from property pro.ng, and also help prospective developers to do proper cost analyses of getting or building properties around Nigeria.

Problem Description:

Rent seeker:

(S)he has a proposed location, apartment type - no. of rooms, no. of toilets and bathroom, size of rooms, car park, etc... and wants to know how much (s)he should budget

Real estate developer:

Has budget, location and wants to know what apartment type (s)he should build and how much they will each make him/her, so as to project when (s)he will break even.

Proposed Method:

- Scrap data from propertypro.ng
- Cleaning, Visualisation, and preparation
- Train and test data using Logistic regression model, Random forest classifier model, Decision tree model
- Evaluate models
- Deploy one

Proposed Split:

Data Sourcing sub-team: Femi Adedugbe and Fola Animashaun

Data Cleaning and Prep sub-team: Uthman Allison and Femi Adedugbe

Model sub-team: Osagie Iyayi and Riliwan Bello

Model Deployment sub-team: Joseph Aduwu and Nomaseh Solomon

Conclusion: This project has been worked on before now by Oluwafemi Azeez. Our team will be looking to improve on his work by adding more features, scrapping from other site like nigeriapropertycentre for a more robust data and then deploying other models on it.

We will [hopefully] deploy on Heroku so that the public can access it.

Estimated timeline: 3 Months

Reference:

[Oluwafemi Azeez](#)