

1. Property Price Forecasting

- Focus on 5-10 key fields, prioritizing main features such as street and floor level.
- Forecasting should be done on a weekly (preferred) or monthly basis.

2. Market Trend Analysis

- Designed for property owners to analyze pricing trends.
- No additional datasets provided by external sources, but team can explore other datasets if needed.

3. Rental Yield Prediction

- Initial focus on predicting property price first before integrating rental yield calculations.
- Rental yield computation can be tied to the property price model later.

4. Demand Forecasting

- Timeframe: Weekly to Monthly (maximum 1 year).
- Specificity: A limited number of key fields will be used for prediction.
- Sentiment analysis is not needed for this phase of the project.

5. AWS Services and Deployment

- Amazon SageMaker is not preferred due to its restrictions.
- AWS ECS or EKS recommended for deployment to allow faster execution in Docker.
- WizVision will set up AWS accounts for the team so they can focus on AI model development.
- Immediate priority: Get the model running locally in Docker and present it to stakeholders.
- Model execution should be accessible via AWS Lambda API calls.

6. Action Items

- Create a timeline with milestones.
- Set up a GitHub/GitLab repository for collaboration and file sharing.
- Draft a proposal to present to WizVision and the professor for feedback.
- Set up a local model in Docker and begin testing within 2-4 weeks.
- Develop the UI for model output visualization.