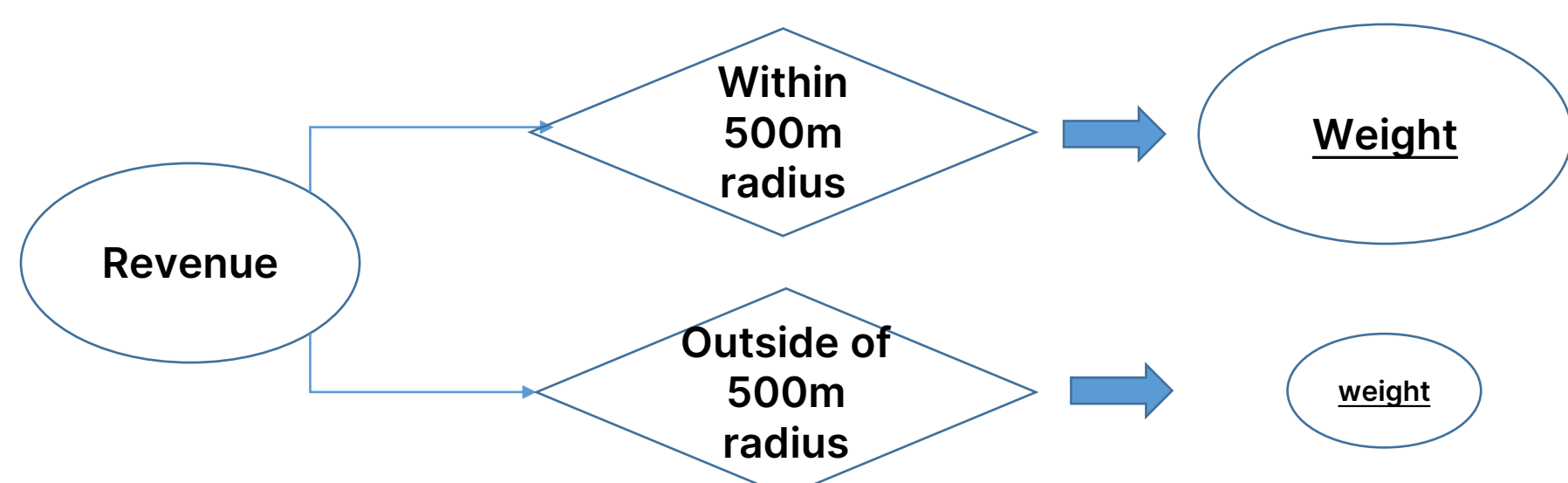


MOTIVATION AND GOAL

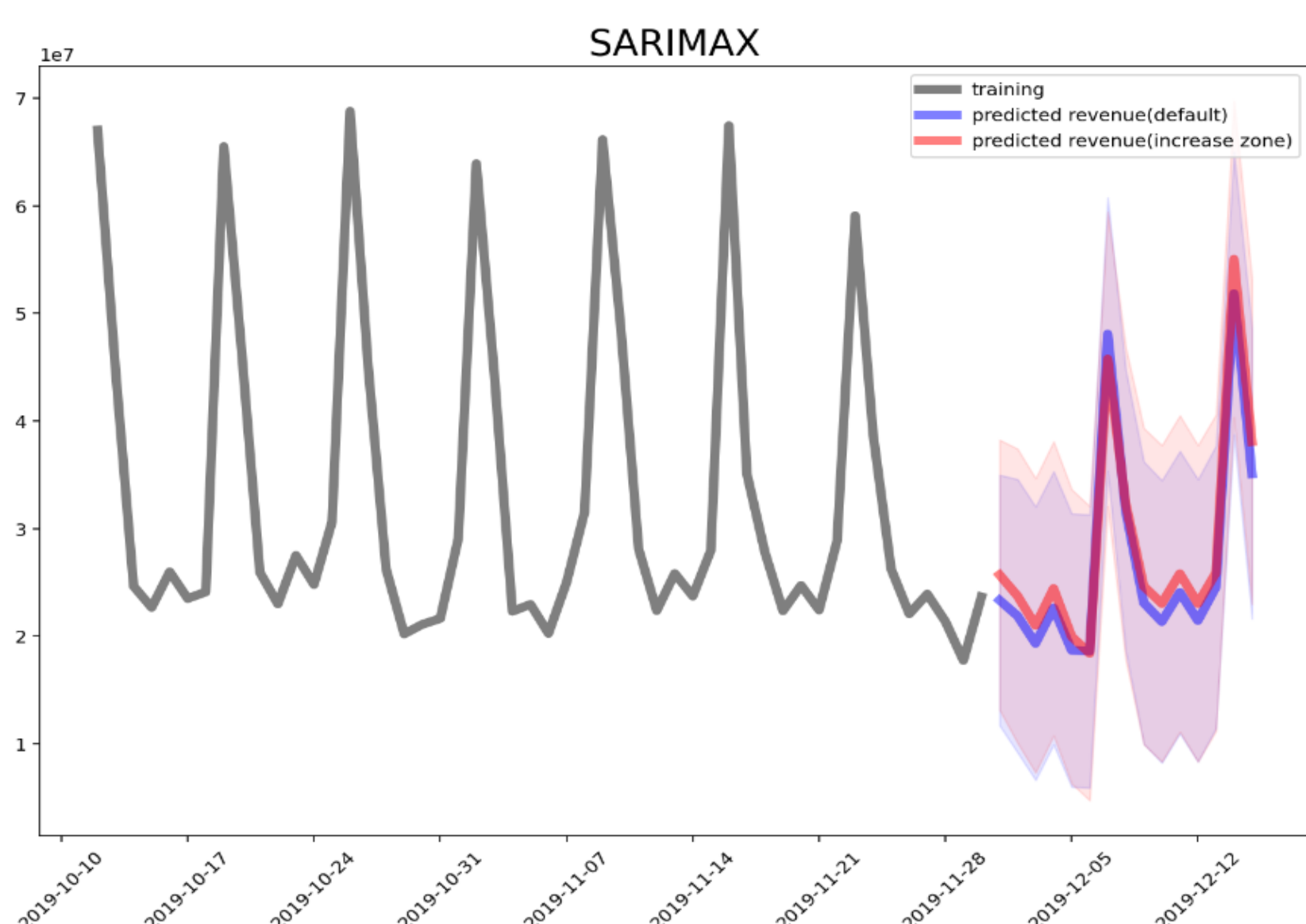
- ✓ **Factors affecting Socar's revenue**
80% of consumers chose convenience and promptness as the main factors for positive customer experience.
- ✓ **Convenience of use**
Socar zone is the starting and ending point of customer use.
- ✓ **Location selection of Socar zone**
locate Socar zone within 500m radius of the apartment

PROJECT DETAILS

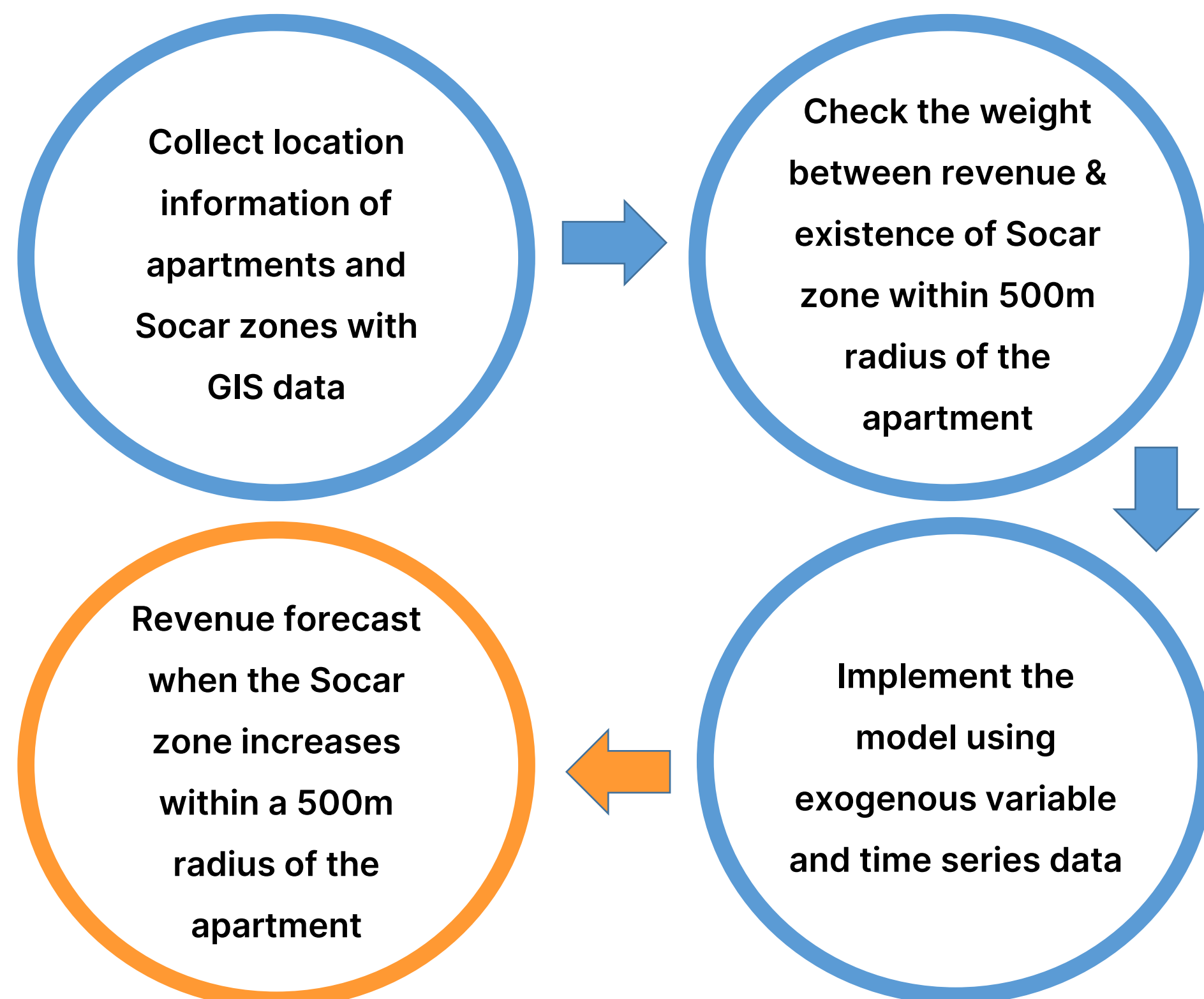
- ✓ Collect location information of apartments and Socar zones with GIS data
- ✓ Clustering according to the existence of Socar zone within a radius of 500 m of the apartment
- ✓ Through correlation analysis, confirm the correlation between revenue and whether there is a Socar zone within a 500m radius of the apartment



MODELING



PROJECT DESIGN



- ✓ Demand forecasting by implementing the optimal model
 - Improve the performance of the model and evaluate the model
 - Revenue forecast for expansion of Socar zone within a 500m radius of the apartment
 - Suggest location for Socar zone



✓ Microscopic Demand Analysis Using Dynamic Regression Model

- A dynamic regression model is a model that considers both time series data and exogenous variables. Using this model, even complex time series data can improve predictive performance. Prediction is possible through micro-analysis, which is useful even when comparing data with regional differences.
- Git hub : https://github.com/Deok-Hun/aiffelthon_public