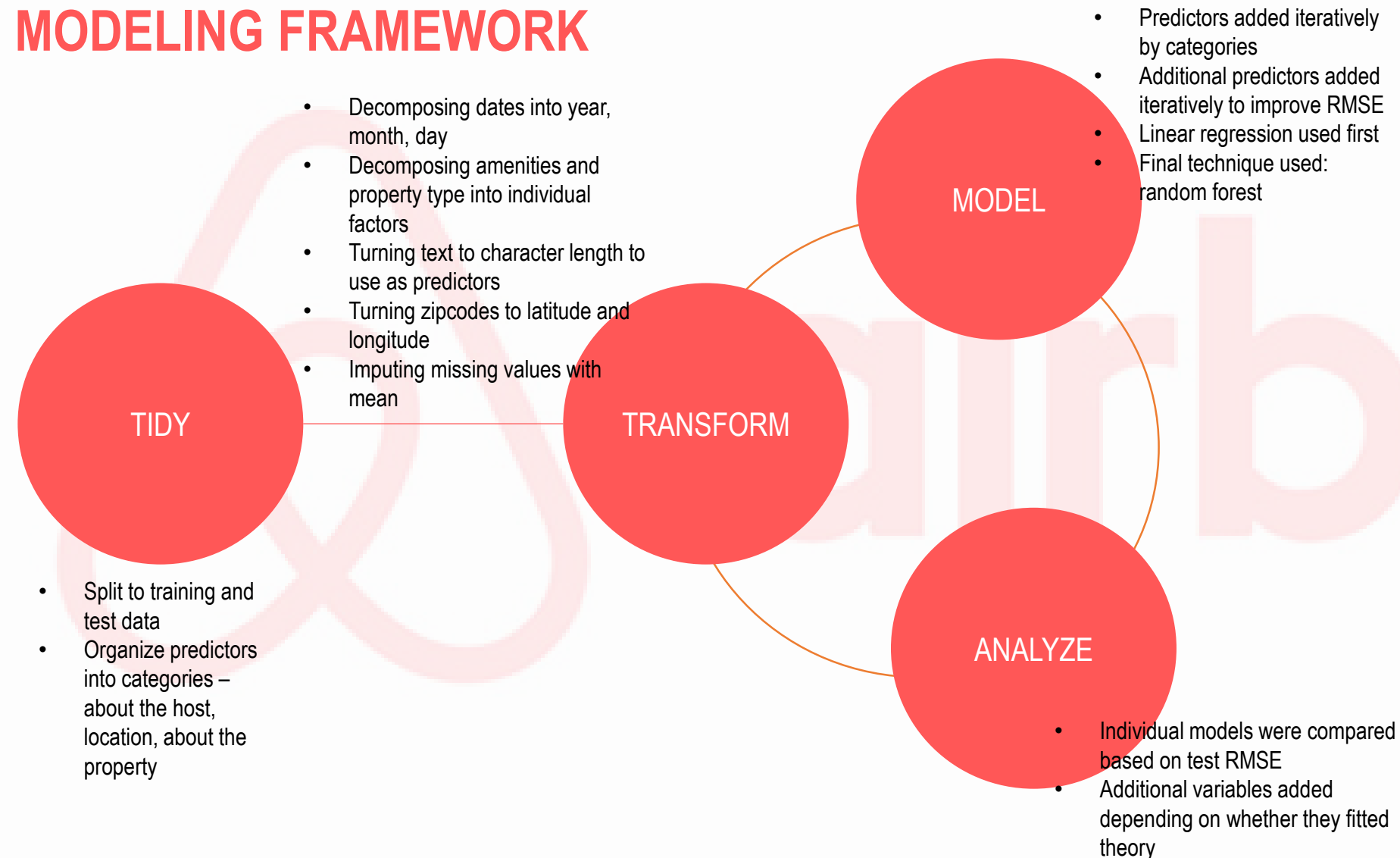


# Predicting Airbnb Prices

## MODELING FRAMEWORK



## FINAL MODEL

- Predictors: 69
- Predictors considered per tree: 30
- Three-fold cross validation
- 500 trees

## TAKEAWAYS

- Stick to a modeling framework to guide the modeling process
- Using separate cleaning and modeling script files

## COMPLICATIONS

- Linear regression models cap out up to a certain point
- Removing price outliers significantly increased RMSE
- Random forest models are computationally expensive to run

## NEXT TIME

- Deeper text analysis to extract meaningful predictors
- Taking a deeper look at outliers and understanding whether they should be removed
- Considering using other machine learning models