# Phase I

## Data Pre-processing

* Missing Value, Binning, Outliers

## Hypothesis Testing & Validation

* Long list of Variables and their potential influence on target
* Explore one way interaction, 2 way interaction
* Feature Types
  1. Physical Environment / Geography / Neighborhood
  2. Property Shape, size etc.
  3. House Condition: External Structure, Finish
  4. House Interiors: Arrangement/Spatial Planning, dimensions, furnishing, services (electrical + mech)

## Variable Selection

* Correlated predictors
* Predictors with no variance / skewed predictors
* Feature Importance from caret / boruta
* VIF