Target Variable

Return rate = $\frac{final\ price - inital\ price - investment}{initial\ price + invest\ ment}$

Features

```
['damage code', 'misc features']
['zone', 'sub type', 'city name', 'area type', 'inspection type',
'structural_quality_grade', 'exterior_condition_grade', 'interior_condition_grade',
'utilities_grade', 'damage_and_issue_grade',
'exterior_color', 'exterior_material']
['days on market', 'current_population', 'population_5_years_ago', 'schools_in_area',
'public_transit_score', 'crime_score', 'culture_score', 'average_neighborhood_price', 'overall_inspector_score',
'sqft', 'floors_in_building', 'floors_in_unit', 'floor_of_unit', 'bedrooms', 'bathrooms', 'parking', 'basement',
'central hvac']
['build year', 'remodel year']
```

Features

- Days on market
- Build date
- Remodle date
- Initial price

Model

- LighGBM
 - Gradient Boosting Machine
 - Developed by Microsoft