# Highlights

Decided to split into 10 models - one for each city

Linear model seemed appropriate and coefficients matched expected relationships with predictions

Found many variables work best as binary variables. For example, square footage of a basement does not matter as much as if there is a basement or not.

## Review Progress

During this spring the following were completed:

- Theme 1:
  - Epic 1:
    - Data cleaning
    - Model building
    - Model testing
- These 2:
  - Epic 1:
    - Change attributes
    - Run new prediction for attribute

### Demo/Analysis

Progress: Jupyter Notebook user demo.

- User inputs city and housing information
- Returns predicted house price
- Returns attribute to change price the most

#### **Lessons Learned**

Consistent naming across the 10 different models and elements they use is important

RDS can store my coefficients as a table to make live predictions for all the models.

### Recommendations

During the next spring, the following will be completed:

- Model scripts created
- Documentation
- Model unit testing