

## Weekly Project SCRUM Report

**Date:** November 13, 2020

**Project Name:** State Surplus Land Assessment - Affordable Housing

**Members:** Reina Chau, Jon Harger, Yunshuang Tao, Nilos Makino

### Activities Completed this week:

- Processed data to answer question 1 and question 3
  - Selected land parcels of different type and assign them to different datasets
  - Filtered land parcels with number of transit stops more than 10 and consider them as transit friendly parcels
  - Grouped transit\_friendly parcels by districts and by city and town.
  - Computed total available land square feet, total number of transit stops and number of transit friendly parcels
  - Added percentage of shi units of each district and of city and town to each dataset.
- API
  - Pulled updated assessed values for properties based on Latitude and longitude
  - Looked into using other data sources (911 data and USPS) to compile information on properties
- Further analysis on SHI housing percentage
  - Breakdown between owned vs rented
- Completed in class presentation
  - Assembled summary slides
  - Created figures to show information

### Obstacles and Solutions:

- Access to current market property values vs. assessed values
  - We currently have assessed values, but client wants more up-to-date market estimations.
  - We will build code to input price data and use the assessed values for initial results. If market data is acquired, then code can be rerun to return updated values.
- Speed of API pulls
  - Attom API has limitations on how many data pulls can be run
  - We've automated code to pull data as fast as possible

- Related to question 6: Information on how much each parcel costs to maintain is not known
  - Project manager is looking into this

**Plans for Next Week:**

- Begin assembling results into draft report
  - Answers 1 and 3 have all the data for
  - Answer 5 has all information except price calculations
- Build code to calculate value of properties
- Continue to pull updated assessed values

**Meet with Project Manager Next Week: Yes**