



-GENDatInc Internal Report Series-

Housing Market King County, WA

Report Series Purpose:

- Seeking to Establish New HQ in King County, WA
- Addressing Challenges related to Final Goal in Manner with Least Negative Impacts
- Implementing Creative Solutions

Current Report Goals:

- Create a Predictive Model for Future Employee Housing
- Provide More Knowledge for Future Big Decisions (HQ Location(s))

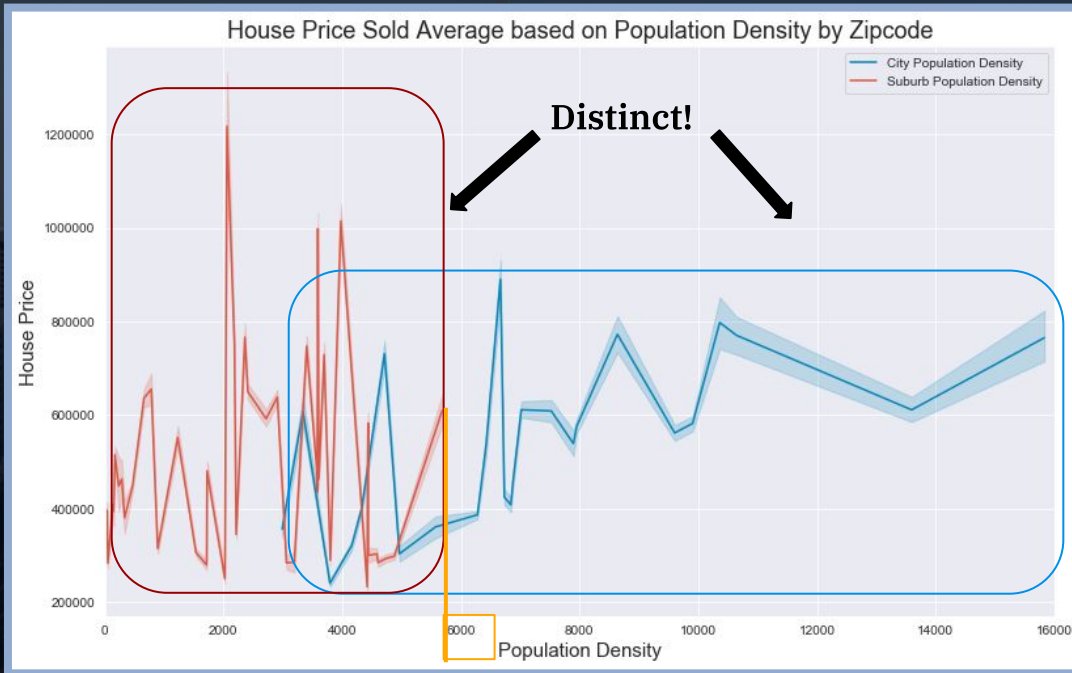


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Project Data Analyst

Purposes of Creating a House Price Predicting Model

- Allows us to identify:
 - Potential neighborhoods and QoL for future employees
 - Areas to avoid for low QoL/Gentrification reasons
 - Potential locations for new HQ
- Allows us to predict:
 - Potential Housing Purchase Cost for future employees
 - Potential Company impact

Population Density and Sale Price



Notes:

- City naturally denser than suburbs
- City and suburb serve as two distinct categories
- City will be in one specific spot--suburbs are everywhere else
- Created model for each group

Current Recommendations

For Business:

- Explore more in 'Multiple Offices' direction
- Avoid creating offices near centerpoint

For Future Employees:

- Housing of minimum grade 7
- Housing away from suburbs near centerpoint
- Avoid purchasing in neighborhoods with lots of renovations--will be more expensive

Current Features in Models

- Grade
- Log-distance From Centerpoint
- # of Bathrooms
- Sqft per Floor
- Condition
- View
- If Renovated
- Population Density

Future Work

- Gather house sale time data to model growth of population density in each zipcode
- Identify low-income and minority housing areas to avoid gentrification of said areas
- Include more QoL metrics in prediction model for future employees:
 - Farmer's Markets, Parks, Entertainment center, etc
- Identify undesirable locations so that we may avoid them:
 - Landfills, railyards, waste treatment facilities, etc.

For Next Meeting:

- Identify Ideal Multiple Offices locations by zipcode, and model expected impact on House Sales price for each area.

Thank You

Thank you for coming to this meeting.

Special Thanks:

Fellow Team Members on Data Analyst Team

Analyst Coordinator and Team Lead, Rafael Carrasco

Team Consultant Talia Salzberg-Horowitz

****Names and positions are written in character for presentation.****

Actual Special Thanks:

Follow classmates in Flatiron Data Science Cohort

Cohort Instructor, Rafael Carrasco

Education Coach, Talia Salzberg-Horowitz