

## **About Dataset**

### **Context**

Predicting housing prices is crucial because many people in every community struggle to find affordable homes. This has been a key challenge in King County, Washington. The proposed model can be used by individual customers to estimate a home's buying or selling price. Additionally, it can reveal price differences between houses and identify which specific features contribute to price variations. Ultimately, housing price prediction can enhance the efficiency of the real estate market.

### **Content**

This dataset contains information on homes sold between 2014 and 2015, provided by King County Housing in Washington. It includes 21,613 rows and 21 columns—representing 21,613 observations and 21 variables. The estimated file size is 2.4 MB (2,457 KB). The dataset includes variables such as a unique home ID, sale date, and 18 other home features (e.g., number of bedrooms, bathrooms, square footage, etc.).

### **Attribute information**

1. id - Unique id for each home sold
2. date - Date of the home sold
3. Price - Price of each home sold
4. bedrooms - Number of bedrooms
5. bathrooms - Number of bathrooms
6. sqft \_ living - Square footage of the apartment's interior living space
7. sqft \_ lot - Square footage of the land space
8. floors - Number of floors
9. waterfront - A dummy variable for whether the apartment was overlooking the waterfront or not
10. view - An index from 0 to 4 of how good the view of the property was
11. condition - an index from 1 to 5 on the condition of the apartment

12. grade - An index from 1 to 13, where 1-3 falls short of building construction and design, 7 has an average level of construction and design, and 11-13 have a high quality level of construction and design
13. sqft \_ above - the square footage of the interior housing space that is above ground level
14. sqft \_ basement - the square footage of the interior housing space that is below ground level
15. yr \_ built - The year the house was initially built
16. yr \_ renovated - The year of the house's last renovation
17. zipcode - What zip code area is the house in
18. lat - Latitude
19. long - Longitude
20. sqft \_ living15 - The square footage of interior housing living space for the nearest 15 neighbors
21. sqft \_ lot15 - the square footage of the land lots of the nearest 15 neighbors