

Analytics for House Price Dataset

Five selected hypotheses:

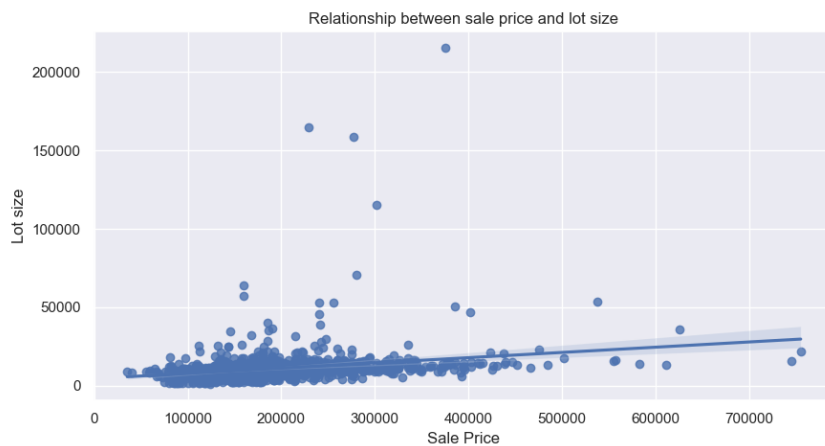
- Determine if the sale price is associated to overall quality
- Determine if the sale price is associated to lot size
- Determine if the sale price is associated to heating quality
- Determine if the sale price is associated to ground living area
- Determine if the sale price is associated to garage area

1. Determine if the sale price is associated to overall quality



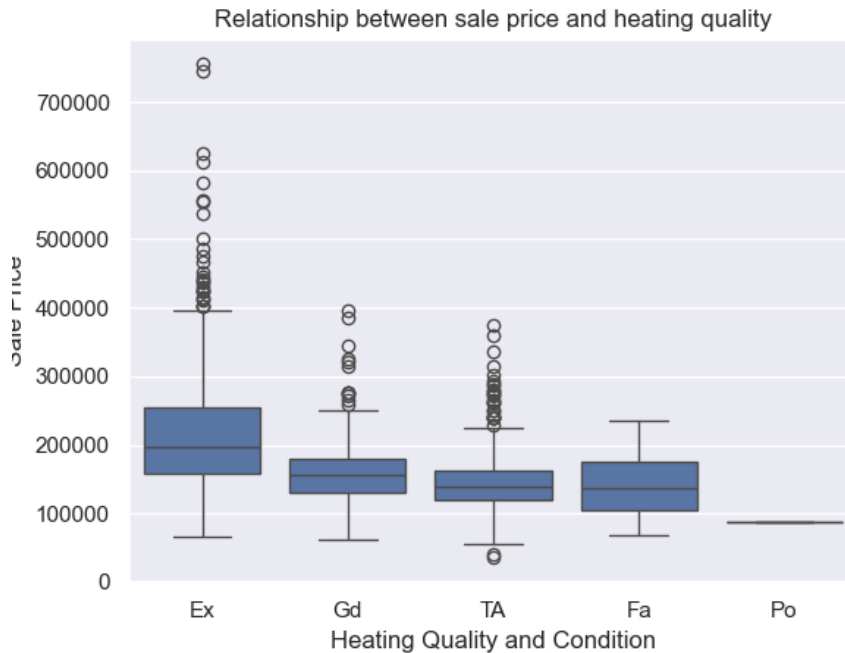
Observations: The sale price and overall quality show a strong linear relationship. The houses have better quality also tend to have higher price.

2. Determine if the sale price is associated to lot size.



Observations: The sale price has a weak relationship with lot size.

3. Determine if the sale price is associated with heating quality.



Observations:

- Houses with better heating quality have higher average prices.
- There are some outliers in the groups of Excellent, Good and Average heating quality

4. Determine if the sale price is associated with ground living area.



Observations:

- The sale price has a strong linear relationship with ground living area.
- There are some outliers.

5. Determine if the sale price is associated to garage area



Observations:

- The sale price has a medium linear relationship with size of garage area.
- There are some outliers.