

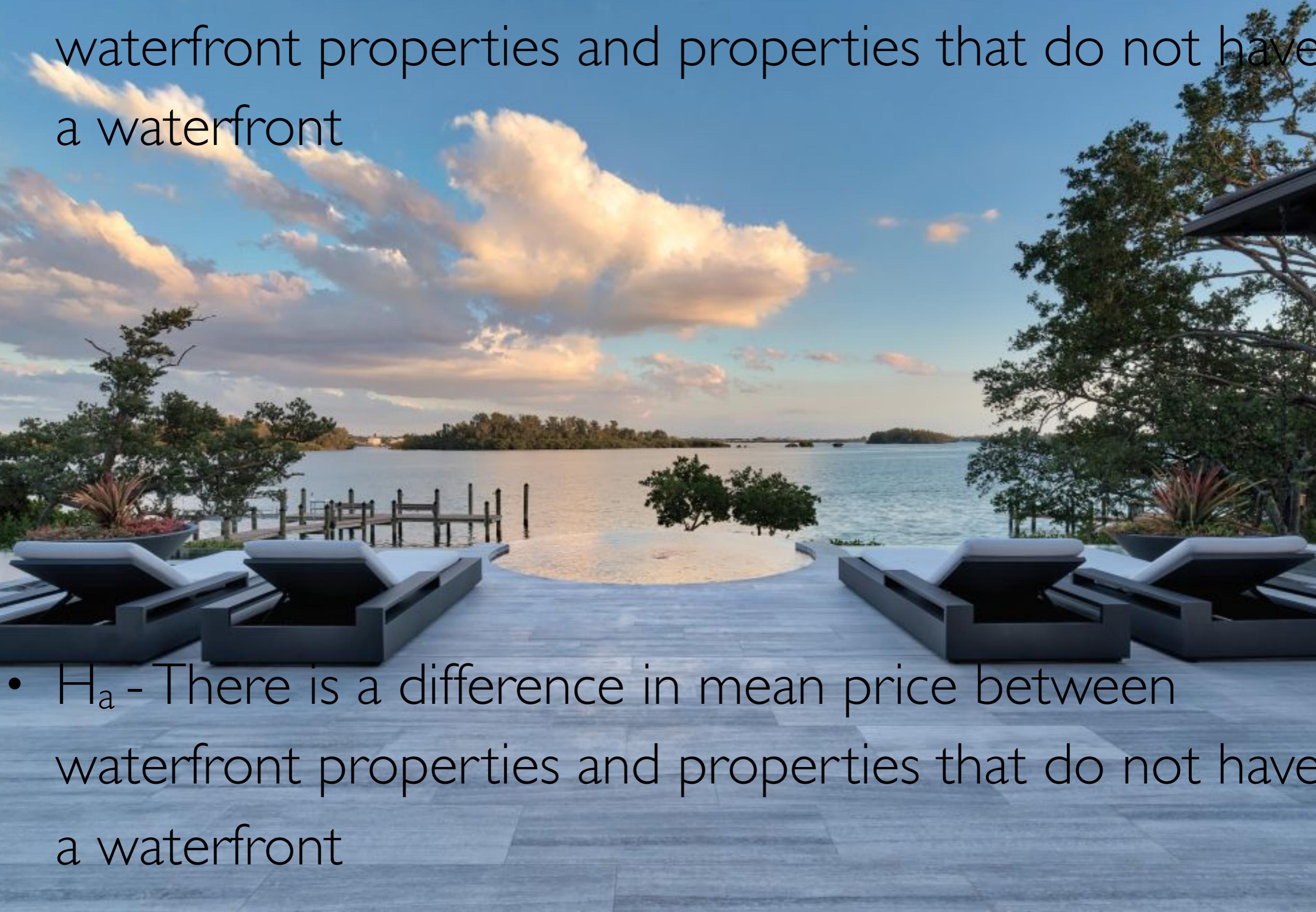
Real Estate: King George County



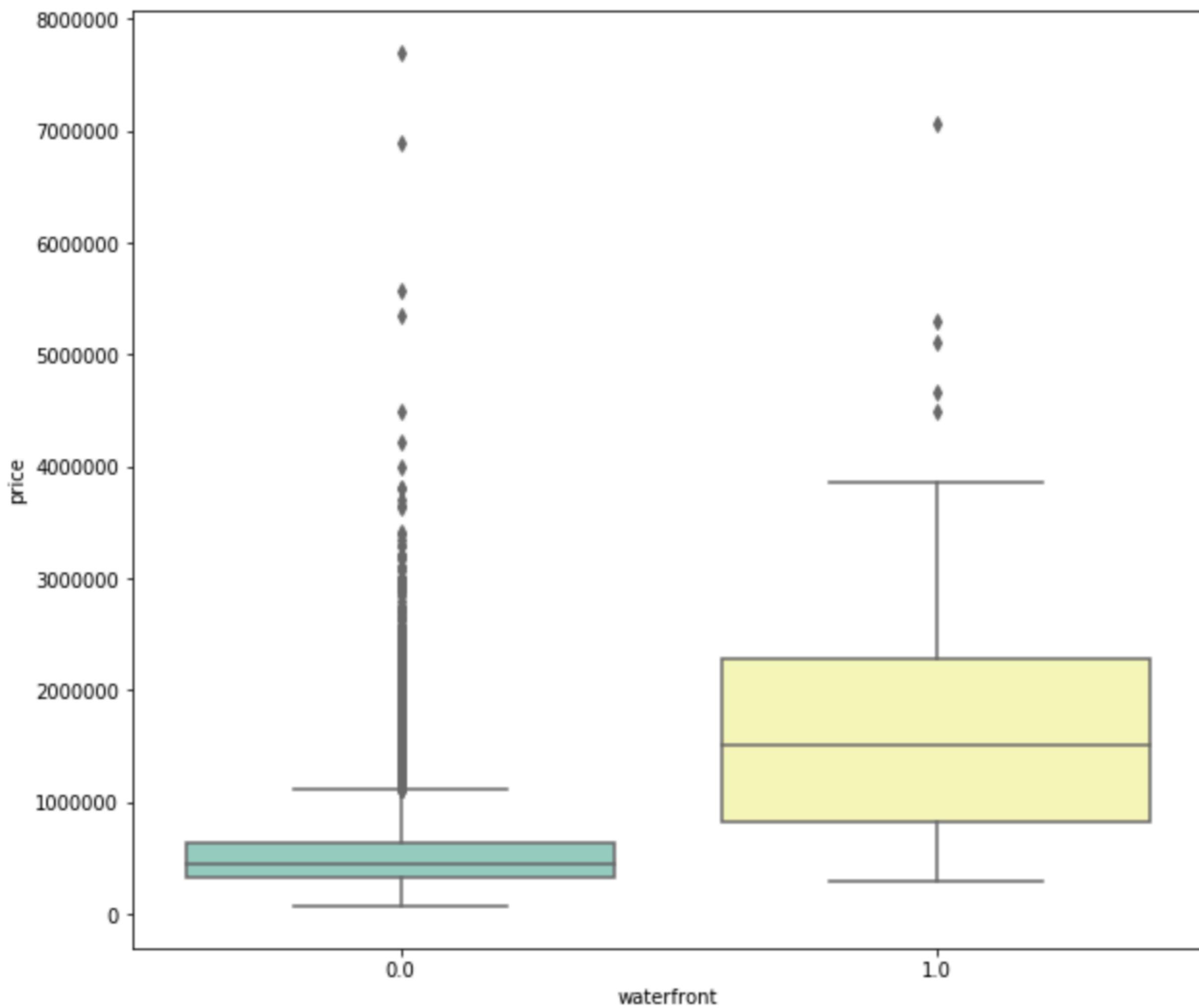
SCENARIO

- We are Realtors approaching a potential buyer in the King George Market

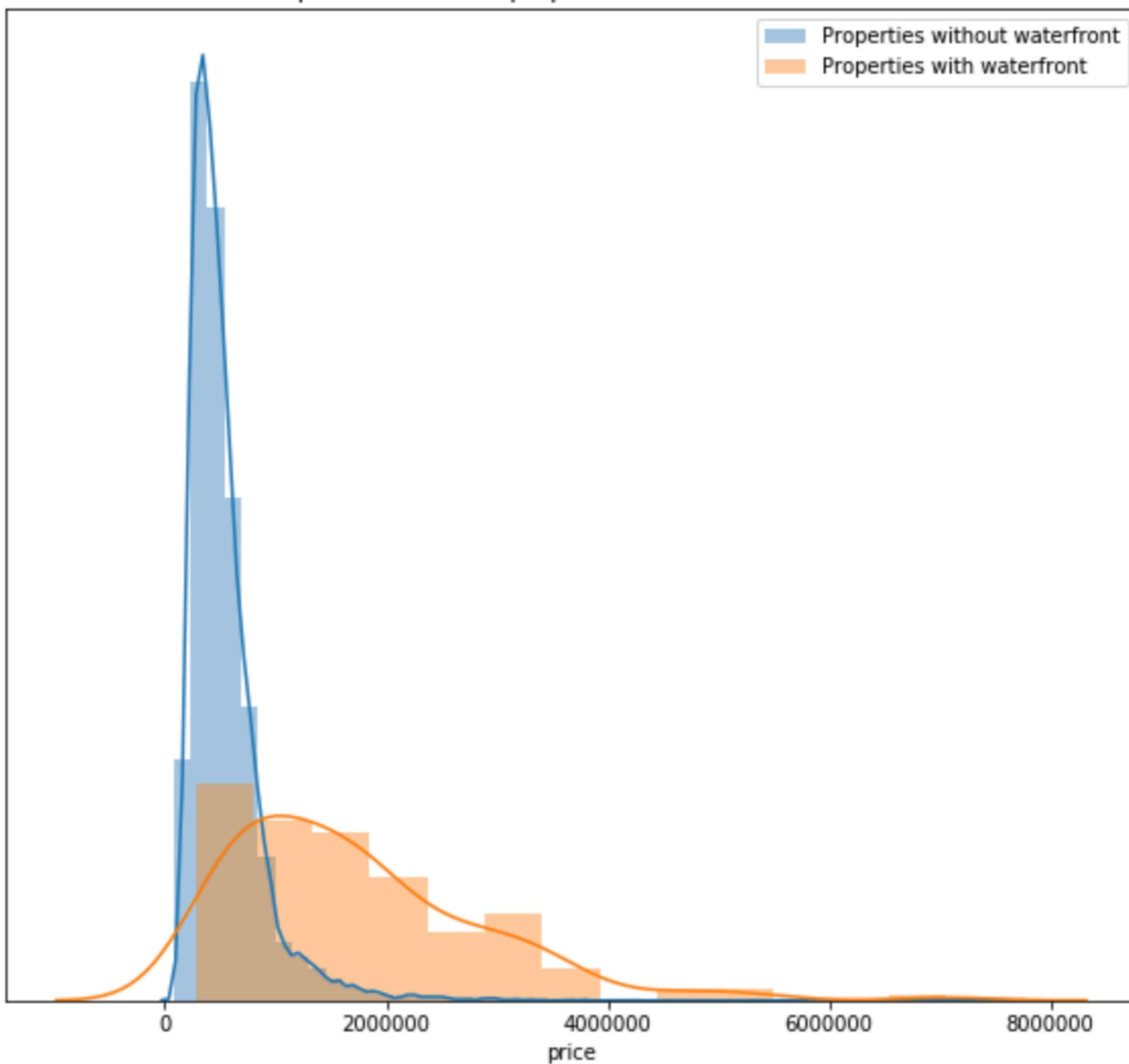
- H_0 - There is no difference in mean price between waterfront properties and properties that do not have a waterfront



- H_a - There is a difference in mean price between waterfront properties and properties that do not have a waterfront



Price comparison between properties with or without waterfront

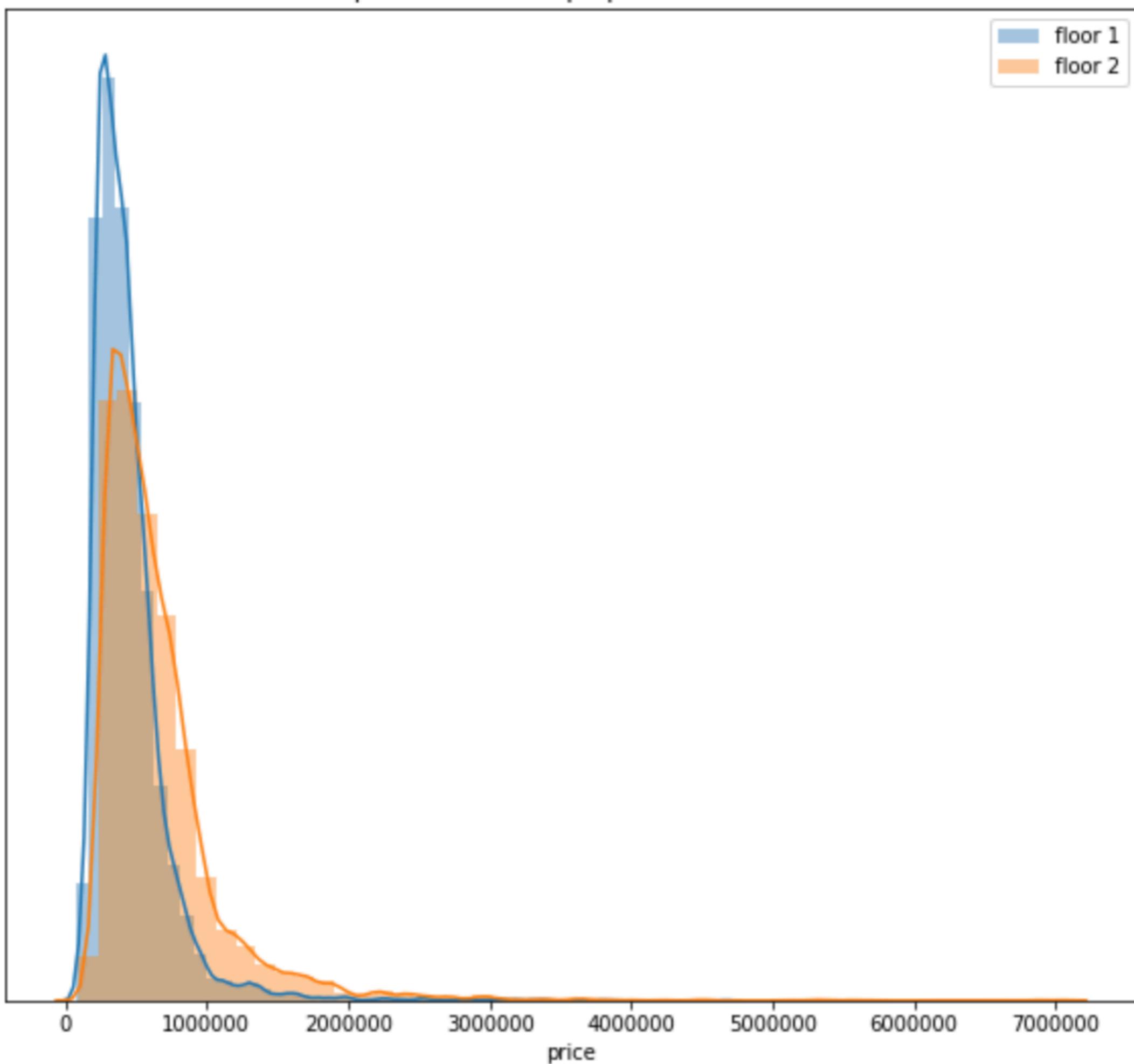


H_0 - There is no difference between mean price between properties that have 1 floor or 2 floors

H_a - There is a difference between mean price between properties that have 1 floor or 2 floors



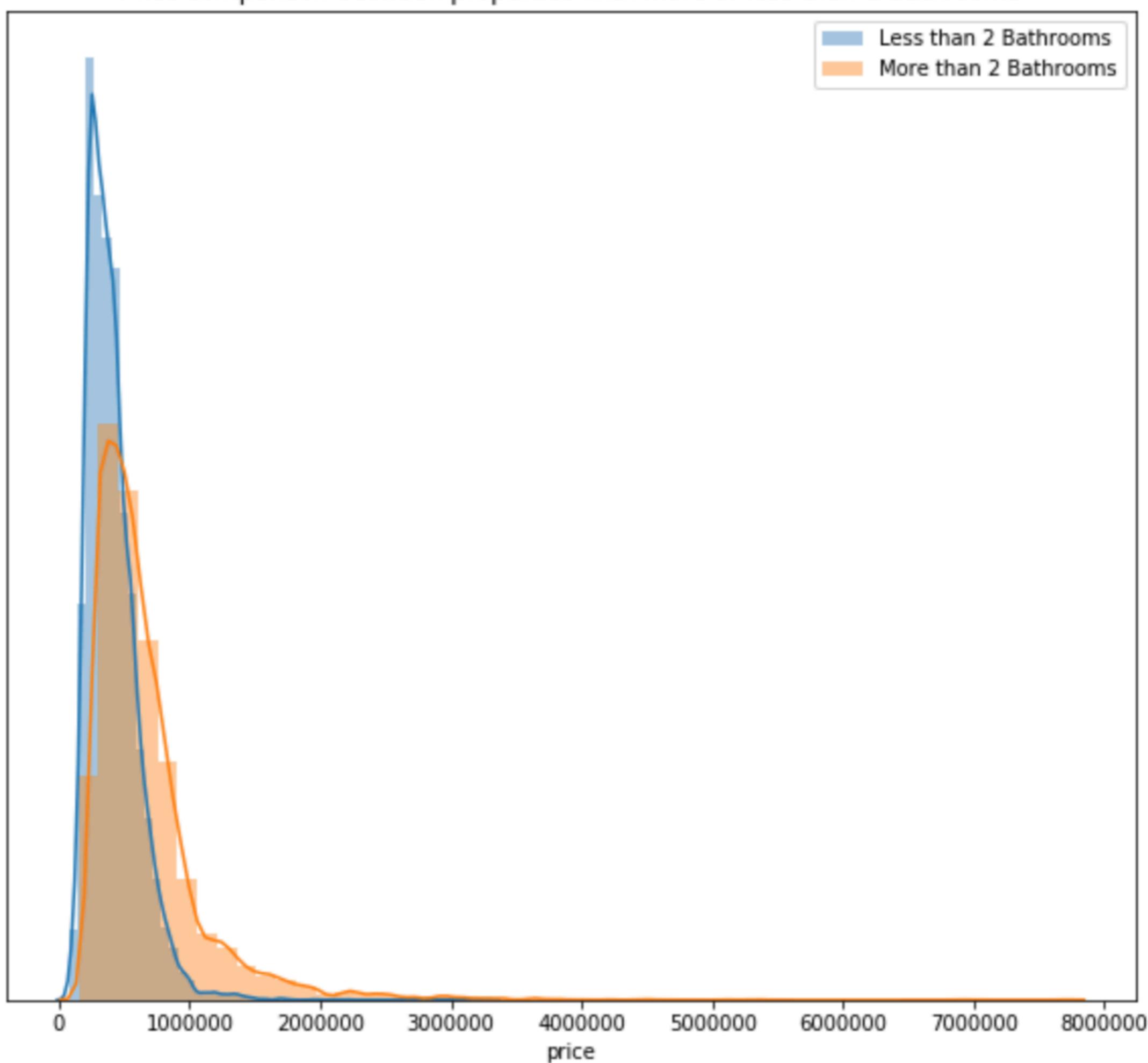
Price comparison between properties with 1 or 2 floors



H_0 - There is no difference between mean price between properties that have less than or equal to 2 bathrooms and properties that have more than or equal to 2 bathrooms

H_a - There is a difference between mean price between properties that have less than or equal to 2 bathrooms and properties that have more than or equal to 2 bathrooms

Price comparison between properties with more or less than 2 bathrooms



CONCLUSION

- Further testing needed.
- Null Hypothesis is very unlikely to be true in all cases.
- Buying the right home for you depends on how much money you have to waste.



ASSUMPTIONS

The assumptions of the Aspin-Welch Unequal-Variance test are:

1. The data is continuous (not discrete).
2. The data follows the normal probability distribution.
3. The sample is a simple random sample from its population. Each individual in the population has an equal probability of being selected in the sample.
4. The variances in the samples are unequal.

