# Property Attributes and Its Effects On Home Valuation

Jason Lu

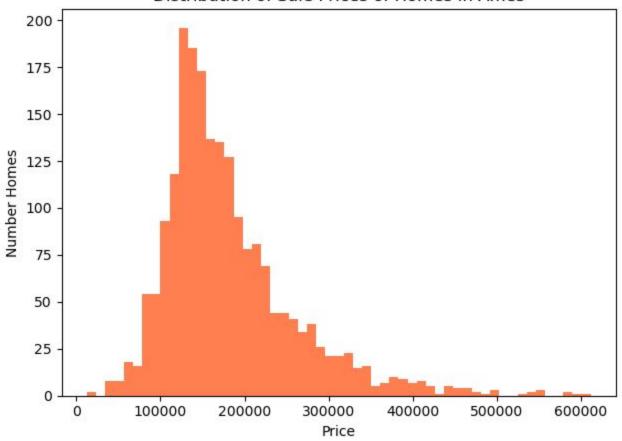
## Background

- Housing prices are always fluctuating
- Traditionally done by an appraiser
  - Relatively subjective
- Seen as comprehensive
  - All features equally count

## **Project Purpose**

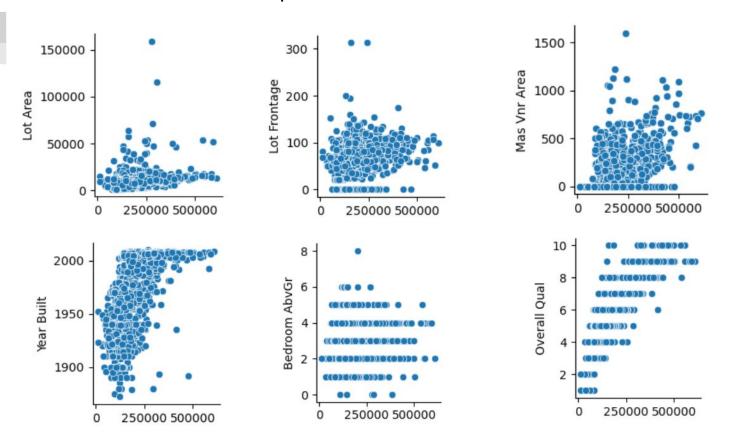
- Build a model to predict property values
  - How certain attributes play a bigger role
- Increase company credibility and customer satisfaction
- Help increase profits!!





		- 1.00
PID -	-0.26	1.00
Enclosed Porch -		
Kitchen AbvGr -	Contract of the Contract of th	
Overall Cond -		
Bsmt Half Bath -	-0.045	- 0.75
Low Qual Fin SF -	-0.042	
Yr Sold -	-0.015	
Misc Val -	-0.0074	
BsmtFin SF 2 -	0.016	
Pool Area -	0.023	- 0.50
Mo Sold -	0.033	
3Ssn Porch -	0.049	<b>1</b>
Screen Porch -	0.13	<b>1</b>
Bedroom AbvGr -	0.14	- 0.25
Lot Frontage -	0.18	0.23
Bsmt Unf SF -	0.19	<b>1</b>
2nd Flr SF -	0.25	<b>7</b>
Garage Yr Blt -	0.26	
Half Bath -	0.28	- 0.00
Bsmt Full Bath -	0.28	
Lot Area -	0.3	
Wood Deck SF -	0.33	
Open Porch SF -		
BsmtFin SF 1 -	0.42	0.2 <u>5</u>
Fireplaces -	0.47	
Mas Vnr Area -	0.5	
TotRms AbvGrd -	1000000	
Full Bath -	0.54	0.5C
Year Remod/Add -	0.55	
Year Built -	0.57	
1st Flr SF -	- warming	
Total Bsmt SF -	0.63	
Garage Cars -	and the second s	- <b>-</b> 0.75
Garage Area -	And the second s	
Gr Liv Area -		
Overall Qual -		
SalePrice -		
	SalePrice	
	Sale: Free	

#### Relationship between Features and Sale Price



### Conclusion

- Best predictors
  - Total Sq. Ft, Garage Size & Features
- Not as important
  - House Age, Interior Finishing

## Thanks for listening!