FOR SALE

PREDICTING SALE PRICES FOR HOUSES IN AMES, IOWA

BY MERYL DUFF, DATA SCIENTIST FEB 22, 2021

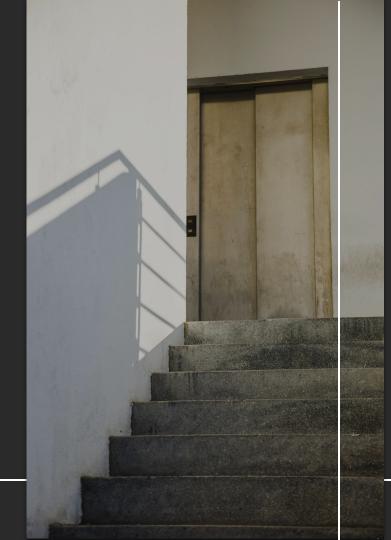




TABLE OF CONTENTS

DATA

Description of the dataset

Analysis

How to use the findings

Findings

The most

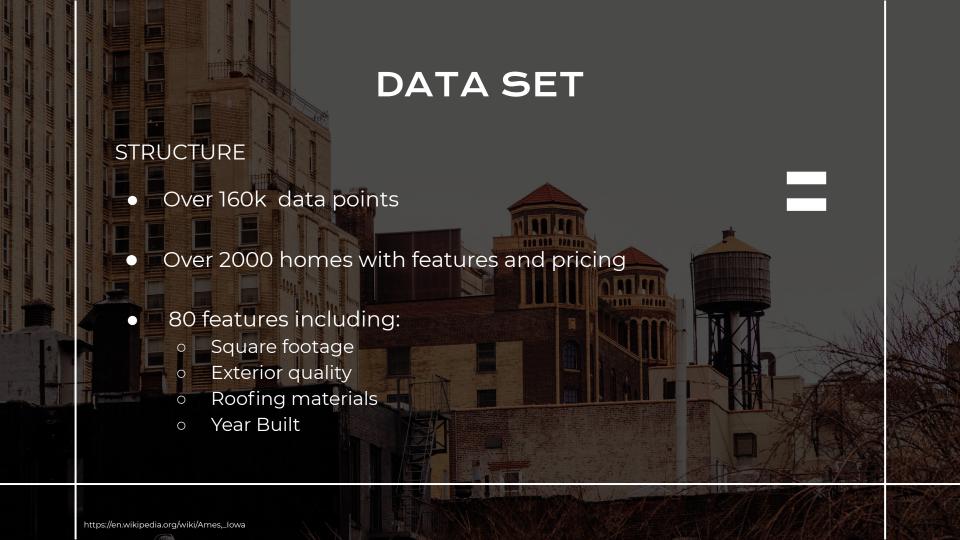
The most important features

03

01

02

E



METHODOLOGY

01

03

Question

What are the most influential factors in predicting sale price?

Exploration

Finding patterns within the data

03

02

Data Cleaning

Cleaning the data to ensure accuracy of analysis

Analysis

Regression to predict



Basement SF vs. Sale Price Sale Price Bsmt SF

CORRELATION

Overall Quality	.80
Above grade (ground) living area square feet	.72
Total square feet of basement area	.66
Size of garage in car capacity	.65
Year Built	.57
Remodel date	.55
Full bathrooms above grade	.53

NOT JUST SQUARE FEET

OVERALL QUALITY

ABOVE GROUND SF,
BASEMENT SF,
BASEMENT EXPOSURE

BASEMENT

SQUARE FEET, GOOD EXPOSURE, QUALITY LIVING QUARTERS

GARAGE

NUMBER OF CARS, ATTACHED TO THE HOUSE, QUALITY

BATHROOMS

FULL BATHROOMS BETTER THAN HALF

HOW TO APPLY

BUYERS

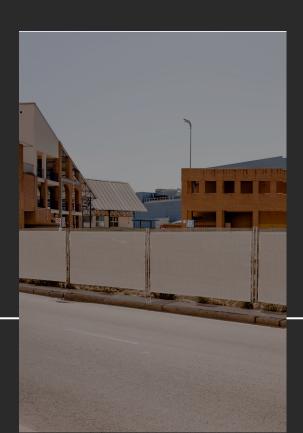
Use this data for budgeting, negotiating, and selling your own property.

REALTORS/SALES

Use this data to help price, negotiate, educate for future, and predict commission.

CONSTRUCTION

Use this data to help plan, build, price and sell homes.



THANKS

Does anyone have any questions?

Reach Out: <u>duff.meryl@gmail.com</u>

My Website

Please keep this slide for attribution

CREDITS: This presentation template was created by **Slidesgo,** including icons by **Flaticon**, infographics & images by **Freepik**