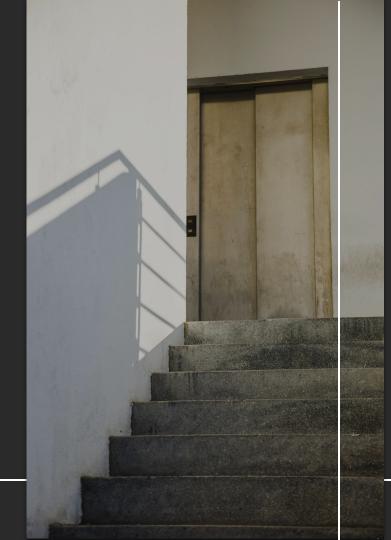
## FOR SALE

PREDICTING SALE PRICES FOR HOUSES IN AMES, IOWA

BY MERYL DUFF, DATA SCIENTIST FEB 22, 2021





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DATA

Description of the dataset

Analysis

How to use the findings

Findings

The most

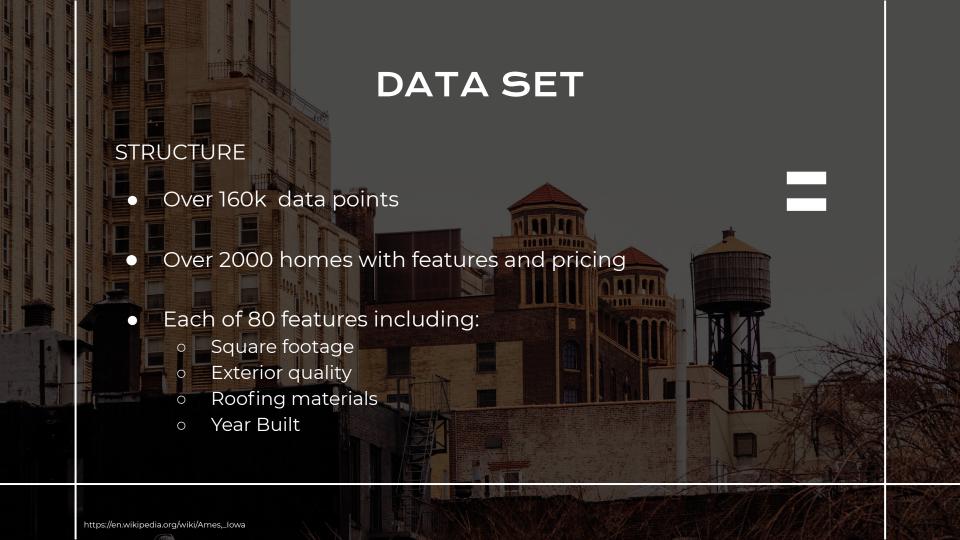
The most important features

03

01

02

E



## **METHODOLOGY**

01

03

Question

What are the most important 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



#### Basment SF vs. Sale Price Sale Price

## 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.

