# Ames Iowa

## Property Development Consultation
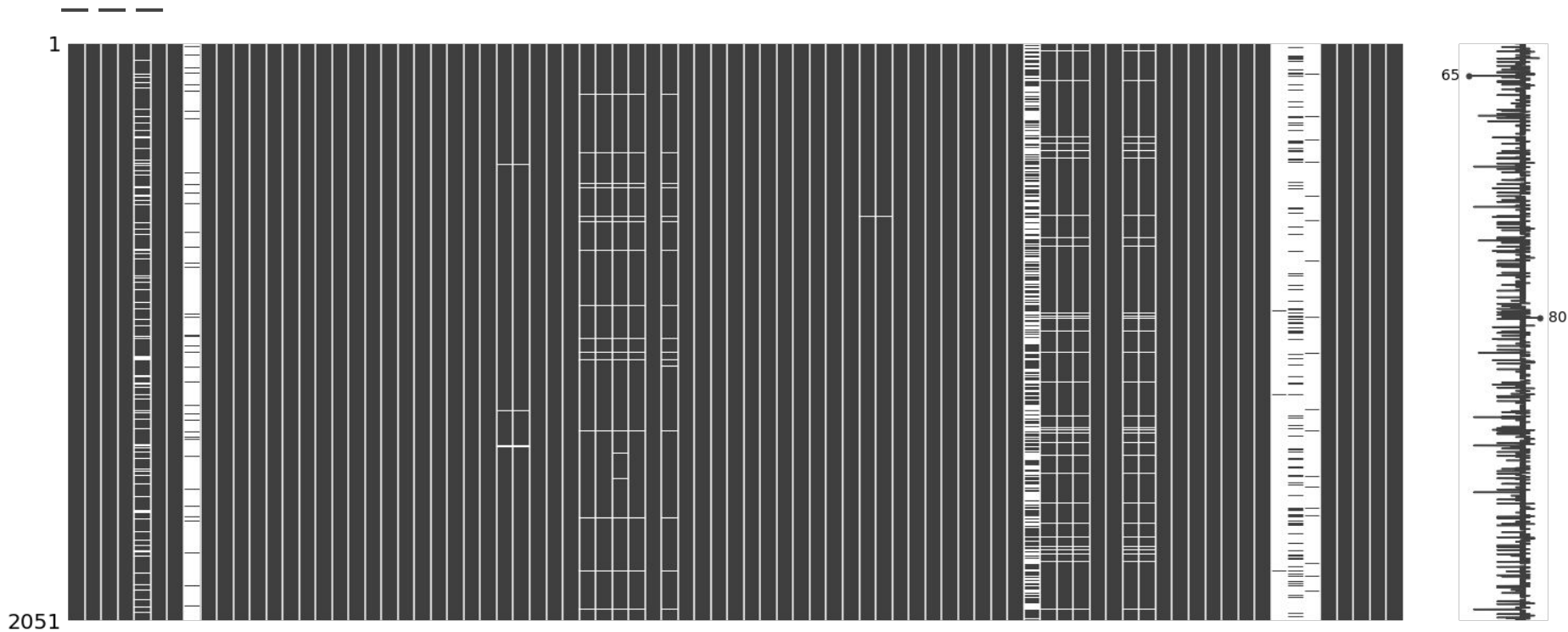
# How Can We Use Models of Housing Data?

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- Find Important Features


- Predict Value of Planned Housing

# Methodology
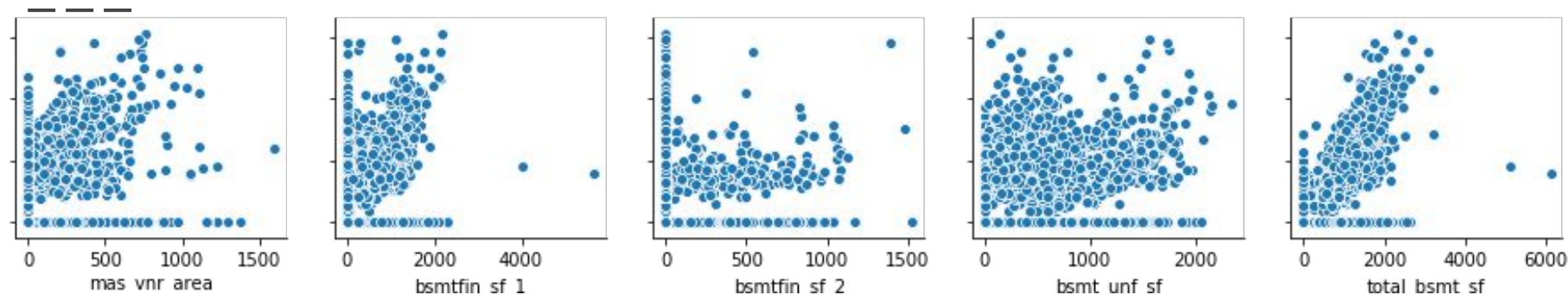
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- Configure dataset to be modelable

- Explore data with visualizations

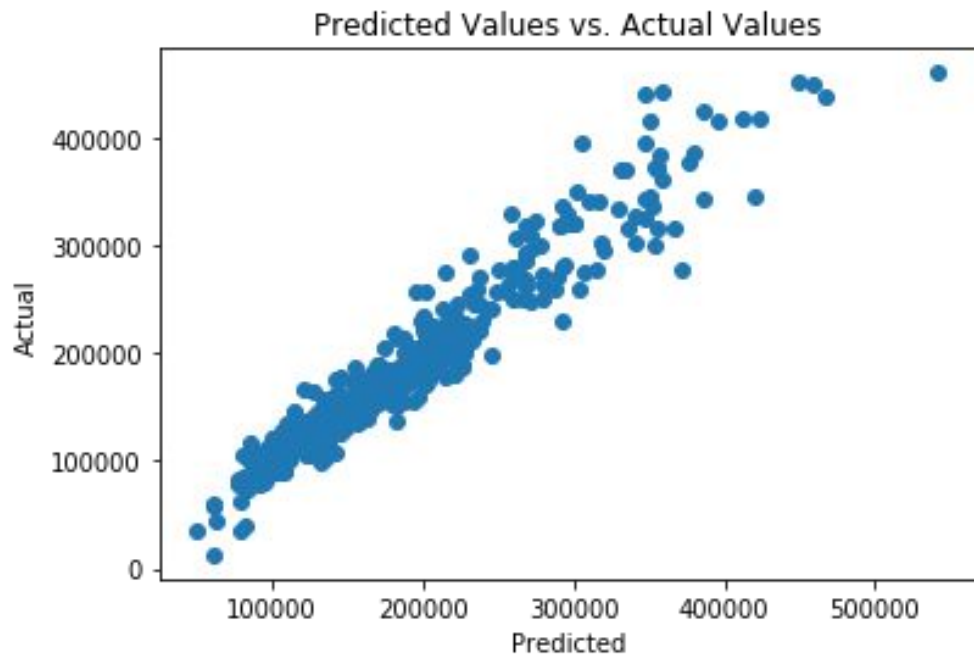- Predict pricing with regression models

# Missing Values in Dataset
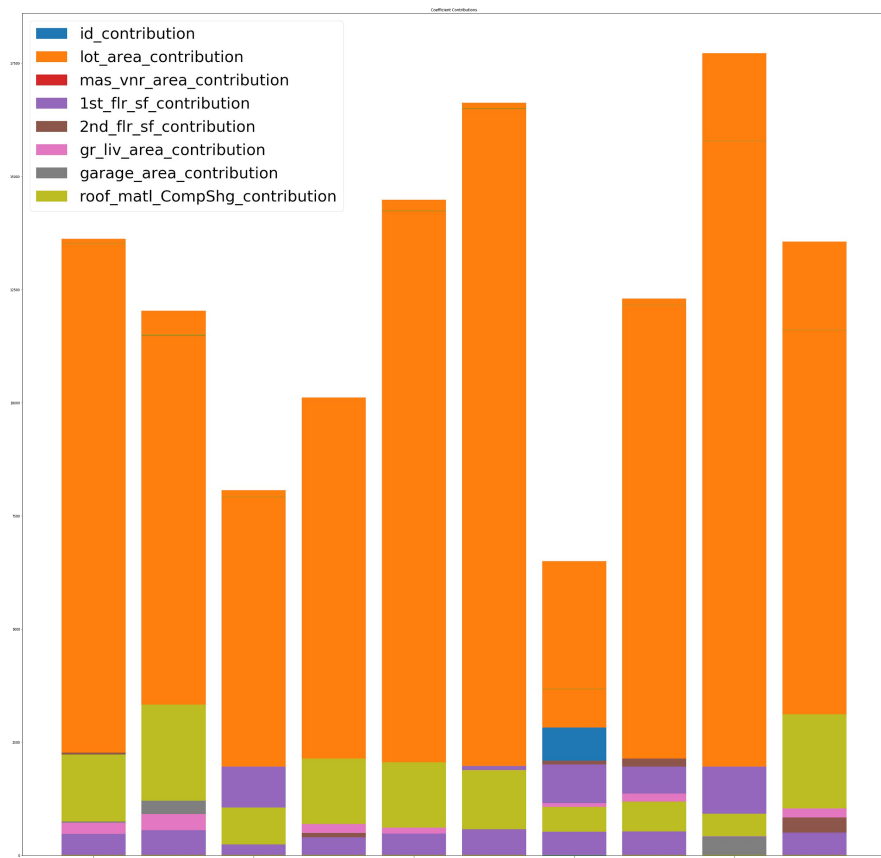
# Price Feature Correlations

# Price Prediction

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- Accuracy of about 88.7%



Predicted Values vs. Actual Values

# Important Features in the  Model

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- Features make up different proportions of the price prediction

# High Value, Low Construction Cost Features

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- Wooden deck

- Garage size

- General square footage

# Space considerations

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- The development consists of about 10 acres of land

- With the $900,000 budget most land will be undeveloped

- Essentially no constraints on space

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Ames Construction Pricing

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