## Problem Statement

Ask a home buyer to describe their dream house, and they probably won't begin with the height of the basement ceiling or the proximity to an east-west railroad. But this playground competition's dataset proves that much more influences price negotiations than the number of bedrooms or a white-picket fence.

We need to predict the sale price of the houses based on given 79 variables.

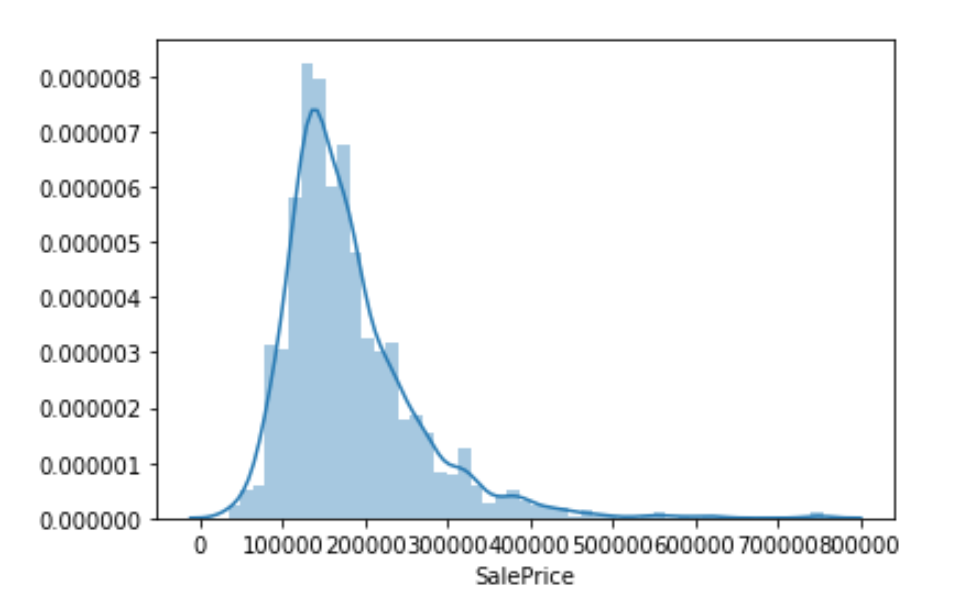
## Data

A screenshot of a cell phone

Description automatically generated

## EDA

### Checking the output variables to predict



### Variable types

A close up of a newspaper

Description automatically generated

### Relation of output variable with others

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generated

A screenshot of a cell phone

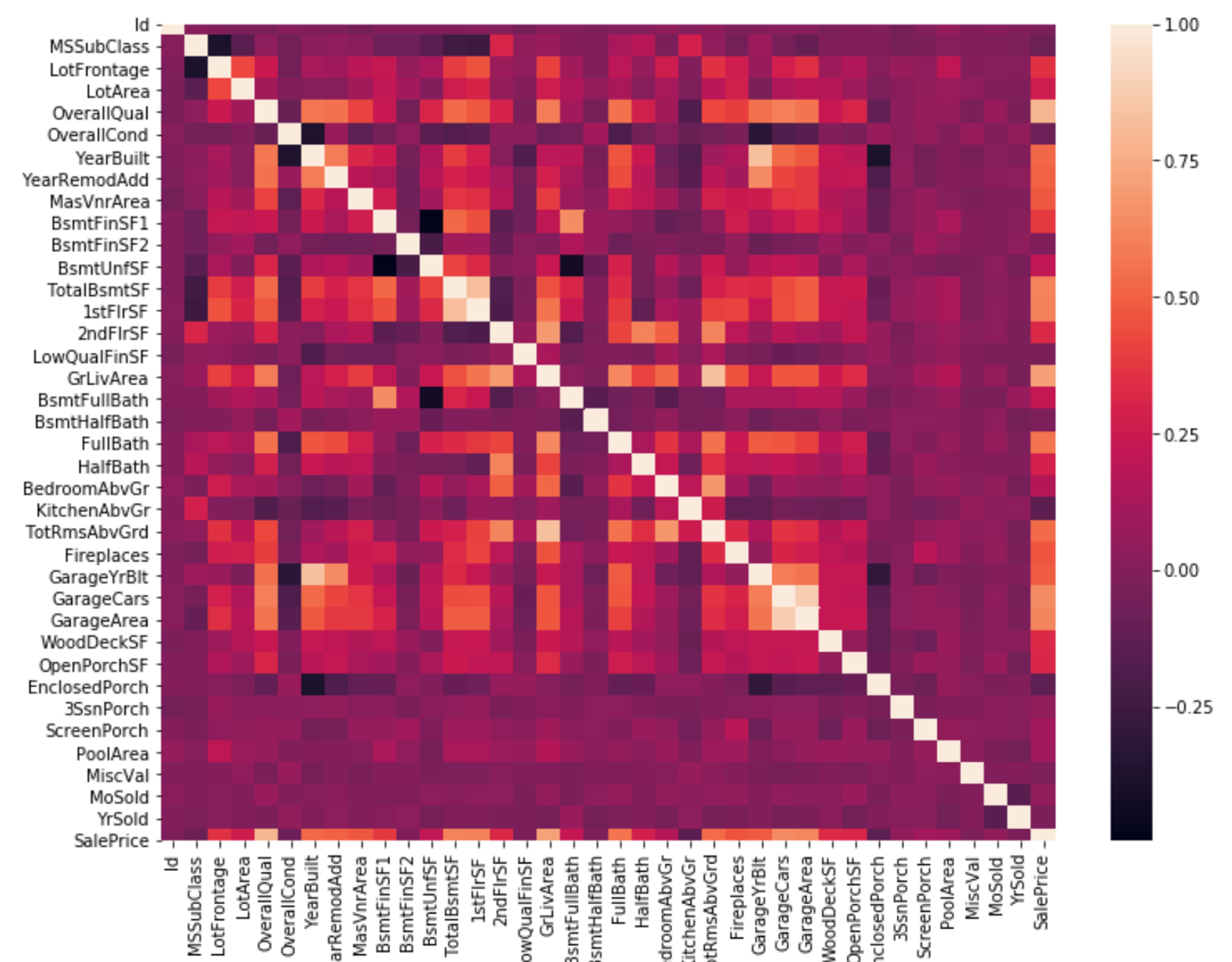
Description automatically generatedA screenshot of a cell phone

Description automatically generated

A close up of a mans face

Description automatically generated

### Correlation between all variables using Heatmap



### Pairplot for further digging relation between variables

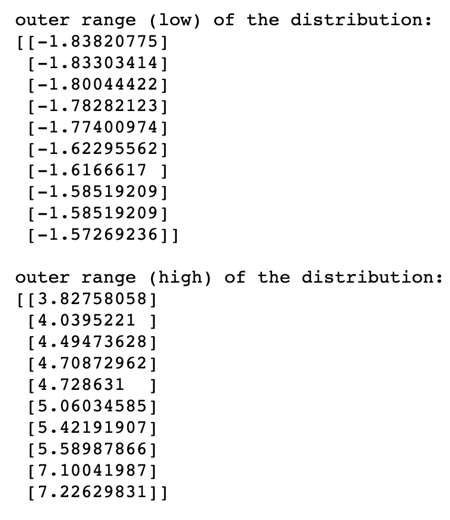


### Handling Missing Data

A screenshot of a cell phone

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### Detecting Outliers

A screenshot of a cell phone

Description automatically generated

### Making variable distribution normal

A close up of text on a white background

Description automatically generatedA close up of a map

Description automatically generated

### Homoscedasticity

A screenshot of a social media post

Description automatically generated

### Prediction

A screenshot of a cell phone

Description automatically generated