ipynb/01-Ingest Data 1. Find five features in the dataset description that you think will be important to predicting the sale price of a home. Describe why you think each of these features is important. 2. Describe how the merge function works. 3. What was done with the Id feature? 4. Why did so many features need to be converted to factors? 5. Are there other features that you feel should be converted to a factor? Why? 6. Make the change for any features that you feel should be factors. Make sure to change this notebook, src/load data-01.r and src/load data-02.r. ipynb/02-impute nan values.ipynb 1. What is done by source ('../src/load data-01.r')? 2. What does this do? nan sums = colSums(is.na(housing df)) nan sums[nan sums > 0] 3. What does this do? mean_LotFrontage <- mean(housing_df\$LotFrontage, na.rm=T)</pre> mean_MasVnrArea <- mean(housing_df\$MasVnrArea, na.rm=T)</pre> mean_GarageYrBlt <- mean(housing_df\$GarageYrBlt, na.rm=T)</pre>

4. Is there a better strategy?

5. What does this do?

count_empty_values <- function (feature) {
 empty string mask = housing df[feature] == ""</pre>

return(length(housing df[feature][empty string mask]))

6. Why is this necessary?

7. What is this?

8. What does this do?

housing df <- na.omit(housing df)

ipynb/03-basic_eda.ipynb

1. Why did I run this?

count empty total()

- 2. Plot a histogram with a KDE Plot for as many numerical features as you think are interesting or important.
- 3. Plot histograms for Sale Price sorted by category for as many categorical features are you think are interesting or important.
- 4. Find five features in the dataset description that you think will be important to predicting the sale price of a home. Describe why you think each of these features is important.
- 5. Compare the five that you identified during plotting to the five you discussed at the beginning. How does your intuition compare to what you see in the Distribution plots.