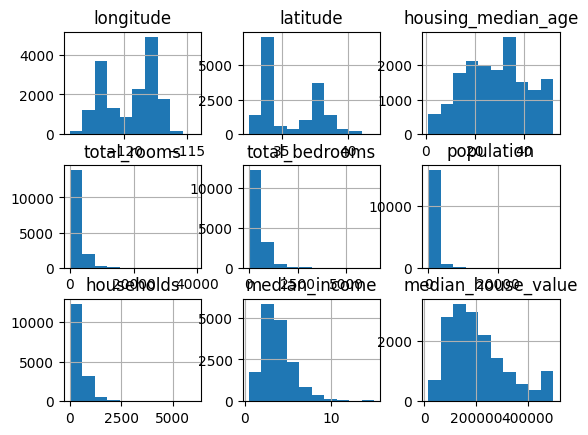
1. Histograms for all columns in the training data :A graph of different types of houses

   Description automatically generated with medium confidence



1. Generating histograms with a specified figure size for better visibility

A graph of different sizes and shapes

Description automatically generated with medium confidence

1. Encoding categorical variables and generating a correlation heatmap

A close-up of a graph

Description automatically generated

1. Generating histograms again to visualize the distribution after logarithmic transformation

A graph of different sizes and colors

Description automatically generated with medium confidence

1. Calculating correlations again with the encoded data

A blue and white squares with black text

Description automatically generated

1. Visualizing the geographical distribution of median house values using a scatter plot

A blue and red dotted line

Description automatically generated

1. Calculating and visualizing the correlation matrix with the new features included

A blue and white squares with black text

Description automatically generated