Certainly! Data wrangling involves cleaning and transforming raw data into a more usable format. Here are some common data wrangling steps that can be applied to this dataset:

- 1. Remove Rows with Missing Values: Since there are rows with all NaN values, we can remove them.
- 2. Convert Data Types: Ensure that columns have the correct data types. For example, price, acre_lot, and house_size should be numeric, while prev_sold_date should be a date.
- 3. **Split bedrooms_bathrooms**: This column contains two pieces of information (bedrooms and bathrooms) separated by a comma. We can split this into two separate columns.
- 4. **Handle Missing Values**: For columns with missing values that are not entire rows, decide on a strategy to handle them, such as filling with a default value or using interpolation.
- 5. **Standardize Address Format**: Ensure that the address format is consistent, which might involve trimming whitespace or correcting any known formatting issues.
- 6. Check for Duplicates: Ensure there are no duplicate rows in the dataset.
- 7. Normalize Data: If necessary, normalize or scale numeric data for analysis.

Let's apply these steps to the dataset:

```
import pandas as pd
import numpy as np
# Load the dataset
data = {
    'brokered_by': [np.nan, 109978.0, 109987.0, 53173.0, np.nan, 96014.0, 101497.0, 10726.0, 53016.0, np.nan,
    'status': [np.nan, 'sold', 'for_sale', 'sold', np.nan, 'sold', 'for_sale', 'for_sale', 'sold', np.nan, np.
    'price': [np.nan, 760000.0, 490000.0, 350000.0, np.nan, 370000.0, 129900.0, 425000.0, 239000.0, np.nan, np
    'acre_lot': [np.nan, 0.36, 0.16, 0.90, np.nan, 0.12, 1.95, 0.83, 0.56, np.nan, np.nan, 0.11, np.nan, 0.14,
    'zip_code': [np.nan, 92026.0, 78418.0, 25425.0, np.nan, 99207.0, 29044.0, 2631.0, 37830.0, np.nan, np.nan,
    'house_size': [np.nan, 1888.0, 2416.0, 3220.0, np.nan, 2084.0, 2128.0, 1368.0, 1724.0, np.nan, np.nan, 117
    'prev_sold_date': [np.nan, '2021-12-22', '2019-04-03', '2021-12-10', np.nan, '2022-04-05', '2021-09-20', '
    'address': [np.nan, '760 Madison Ln, Escondido, California', '229 Broadway Ave, Corpus Christi, Texas', '6
    'bedrooms_bathrooms': [np.nan, '3, 2', '3, 4', '3, 2', np.nan, '4, 2', '4, 2', '3, 2', '3, 2', np.nan, np.
}
df = pd.DataFrame(data)
# Remove rows with all NaN values
df.dropna(how='all', inplace=True)
# Convert data types
df['price'] = df['price'].astype(float)
df['acre_lot'] = df['acre_lot'].astype(float)
df['zip_code'] = df['zip_code'].astype(str)
df['house_size'] = df['house_size'].astype(float)
df['prev_sold_date'] = pd.to_datetime(df['prev_sold_date'], errors='coerce')
# Split 'bedrooms_bathrooms' into two separate columns
df[['bedrooms', 'bathrooms']] = df['bedrooms_bathrooms'].str.split(', ', expand=True)
df['bedrooms'] = df['bedrooms'].astype(float)
df['bathrooms'] = df['bathrooms'].astype(float)
# Drop the original 'bedrooms_bathrooms' column
df.drop(columns=['bedrooms_bathrooms'], inplace=True)
# Handle missing values (example: fill with median for numeric columns)
df.fillna(df.median(numeric_only=True), inplace=True)
# Check for duplicates and remove them
df.drop_duplicates(inplace=True)
```

Display the cleaned DataFrame

print(df.head())

This code snippet performs basic data wrangling on the dataset. Depending on the specific requirements of your analysis, you might need to apply additional transformations or handle missing values differently.