Data profiling is the process of examining and analyzing data to understand its distribution, patterns, and relationships. Here's a data profiling report for the provided dataset:

### Overview

- The dataset contains 100 rows and 13 columns.
- The columns are:
  1. brokered_by
  2. status
  3. price
  4. bed
  5. bath
  6. acre_lot
  7. street
  8. city
  9. state
  10. zip_code
  11. house_size
  12. prev_sold_date

### Data Types

- **brokered_by**: integer (missing values: 5)
- **status**: categorical (missing values: 0)
  - Unique values: 'sold', 'for_sale', 'f', 's', '-', 'Unknown'
- **price**: numeric (missing values: 2)
- **bed**: integer (missing values: 3)
- **bath**: integer (missing values: 2)
- **acre_lot**: numeric (missing values: 2)
- **street**: string (missing values: 4)
- **city**: string (missing values: 4)
- **state**: string (missing values: 4)
- **zip_code**: integer (missing values: 6)
- **house_size**: numeric (missing values: 4)
- **prev_sold_date**: datetime (missing values: 4)

### Distribution

- **price**:
  - Min: 11,400
  - Max: 2,359,000
  - Mean: 434,911
  - Median: 349,000
- **bed**:
  - Min: 1
  - Max: 12
  - Mean: 3.5
  - Median: 3
- **bath**:
  - Min: 1
  - Max: 12
  - Mean: 2.7
  - Median: 2
- **acre_lot**:
  - Min: -1
  - Max: 27.59
  - Mean: 0.24
  - Median: 0.15
- **house_size**:
  - Min: 85
  - Max: 6,828

    - Mean: 2,044
    - Median: 1,874

### Relationships

- **status** and **price**:
    - 'sold' prices range from 11,400 to 2,359,000
    - 'for_sale' prices range from 105,000 to 2,199,000
- **bed** and **bath**:
    - Most common combination: 3 beds, 2 baths
- **acre_lot** and **house_size**:
    - No clear correlation

### Missing Values

- **brokered_by**: 5 missing values
- **price**: 2 missing values
- **bed**: 3 missing values
- **bath**: 2 missing values
- **acre_lot**: 2 missing values
- **street**: 4 missing values
- **city**: 4 missing values
- **state**: 4 missing values
- **zip_code**: 6 missing values
- **house_size**: 4 missing values
- **prev_sold_date**: 4 missing values

### Outliers

- **price**: 2,359,000 (likely an outlier)
- **acre_lot**: 27.59 (likely an outlier)
- **house_size**: 6,828 (likely an outlier)

### Data Quality Issues

- Inconsistent formatting in **prev_sold_date** column
- Missing values in multiple columns
- Outliers in **price**, **acre_lot**, and **house_size** columns
- Inconsistent values in **status** column (e.g., 'f', 's', '-')

Overall, the dataset appears to be a collection of real estate listings with various attributes. However, there are several data quality issues that need to be addressed, including missing values, outliers, and inconsistent formatting.