

Key Points:

Source of data: [Search Results](#) | [FRED](#) | [St. Louis Fed \(stlouisfed.org\)](#)

Location: United States

Model: ARIMA Predictive Model

Factors Considered:

Independent Variables: Date, Construction Materials Index, Federal Funds Rate, Mortgage, Subsidy, Urban Population, Total Households, Disposable Personal Income, Unemployment Rate

Dependent Variable: S&P Chiller Case Index

Dataset:

Data used: 2006-07-01 - 2023-11-01 (Based on availability in the selected data source)

Forecast data: 2023-12-01 - 2024-11-01

Descriptive Analysis Insights from the US Home Price Data:

- The highest **Unemployment rate** was recorded in the year 2021 and it **declined** to lesser values **after 2021**.
- **Mortgage, GDP, Federal Funds Rate** is **highest** in the year **2023**.
- The **Construction Materials Index** is the **lowest** in the year **2023**.
- The **S&P Chiller Case Index** also **declined** in the year **2023**.

Predictive Insights from the ARIMA Model on US Home Price S&P Chiller Case Index:

- The **S&P Chiller Case Index** is **declining** after 2023-11-01 as shown in the forecast results.