

Foreign Exchange Dataset Description

The datasets on foreign exchange rates of 4 different countries from 2018 to 2024 were gathered from FRED database. Then, we combined them and restructured into a single panel dataset by including a country column preceding the date column. The forward fill method is used to handle the missing values.

About FRED Database :

FRED (Federal Reserve Economic Data) is a comprehensive database maintained by the Federal Reserve Bank of St. Louis, offering a vast collection of economic data. It includes time series data on economic indicators such as GDP, inflation rates, employment statistics, and more, sourced from various government agencies and organizations.

Key Characteristics of the Dataset:

Type	: Panel time series
Total Records	: 5220
Columns	: Country, Date, Currency(USD)
Frequency	: Daily
Number of Panels	: 04
Panels	: Sri Lanka, India , Japan , Singapore
Timeframe	: 2018-06-03 to 2024-05-31 (6 years)
Target Variable	: Currency , which denotes the daily exchange rates of the 4 different countries' currencies in terms of the U.S. Dollar.

References

Sri Lanka	: https://fred.stlouisfed.org/series/DEXSLUS
India	: https://fred.stlouisfed.org/series/DEXINUS
Japan	: https://fred.stlouisfed.org/series/DEXJPUS
Singapore	: https://fred.stlouisfed.org/series/DEXSIU