### Econ 612 Assignment 1 - Empirical

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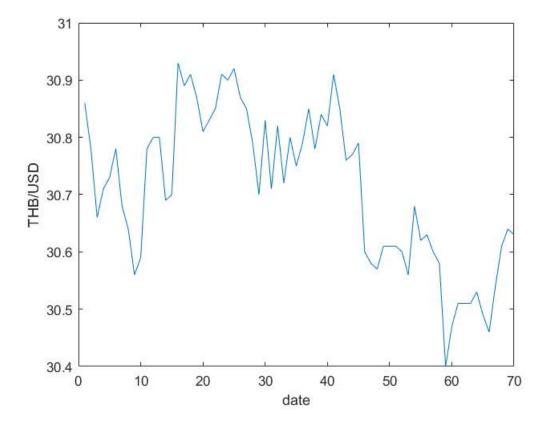
#### **Problem 1**

- 1(a) I use the 70-day time series of exchange rate (Thai Baht per Unitied States Dollar). It is a relatively stable time series with a narrow range of value, and thus, I do not take log-difference of the series.
- 1(b) Load the data into MATLAB

```
thbusd = readtable('usdthb.xls','range','B2:B72');
```

Warning: Column headers from the file were modified to make them valid MATLAB identifiers before c names for the table. The original column headers are saved in the VariableDescriptions property. Set 'PreserveVariableNames' to true to use the original column headers as table variable names.

```
thbusd = table2array(thbusd);
plot(thbusd);
xlabel('date')
ylabel('THB/USD')
```



1(C) Create a function that provides summary statistics

```
*******sumstats function*******
function[stats]=sumstats(y)
meany = mean(y);
mediany = median(y);
```

# end

## summary = transpose(sumstats(thbusd))

```
summary = 8�2 string array
"mean"
                            "30.7104"
"median"
                            "30.715"
                            "30.93"
"maximum"
"minimum"
                            "30.4"
                            "0.134858"
"standard deviation"
"kurtosis"
                            "2.00452"
"Jarque-Bera Statistics" "0"
"Jarque-Bera P-Value"
                            "0.0967981"
```