**ANALYSIS OF NEFT TRANSCATIONS OF BANKS IN INDIA**

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Professor Dr. Shankar Venkatagiri

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**About The Data**

The data is a list of NEFT transactions that was recorded by RBI in from January 2009 to October 2016. The data contains the following:-

* Name of the bank
* Outward Number of Transactions (i.e. transactions from the Bank)
* Outward Value of Transactions in Rs. Millions
* Inward Number of Transactions (i.e. transactions to the Bank)
* Inward Value of Transactions in Rs. Millions

The raw data (month by month from Jan 2009 to October 2016) was collected from the RBI website ([https://www.rbi.org.in/Scripts/NEFTView.aspx#](https://www.rbi.org.in/Scripts/NEFTView.aspx)). The data was then collated into 8 files based on year (2009.xls to 2016.xls). Two new columns were introduced in the data set namely, *Month* and *Year.*

Another Data file “Classifiication.xls” was prepared with contains the “sector” of the Bank viz Public (PSB), Private (PVT), Foreign (FOR), Cooperative (CO-OP) or Other Financial Institutions (FI).

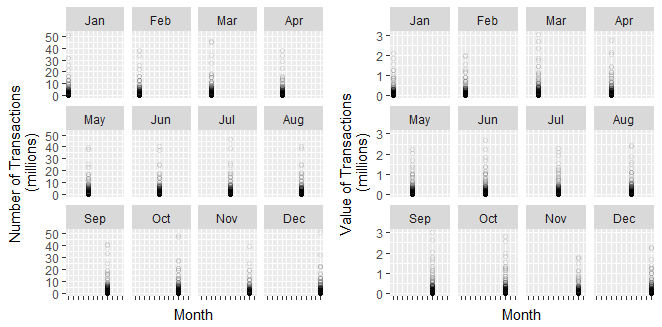
Using the data as structured above, a preprocessing was done on the data to make it in the desired format.

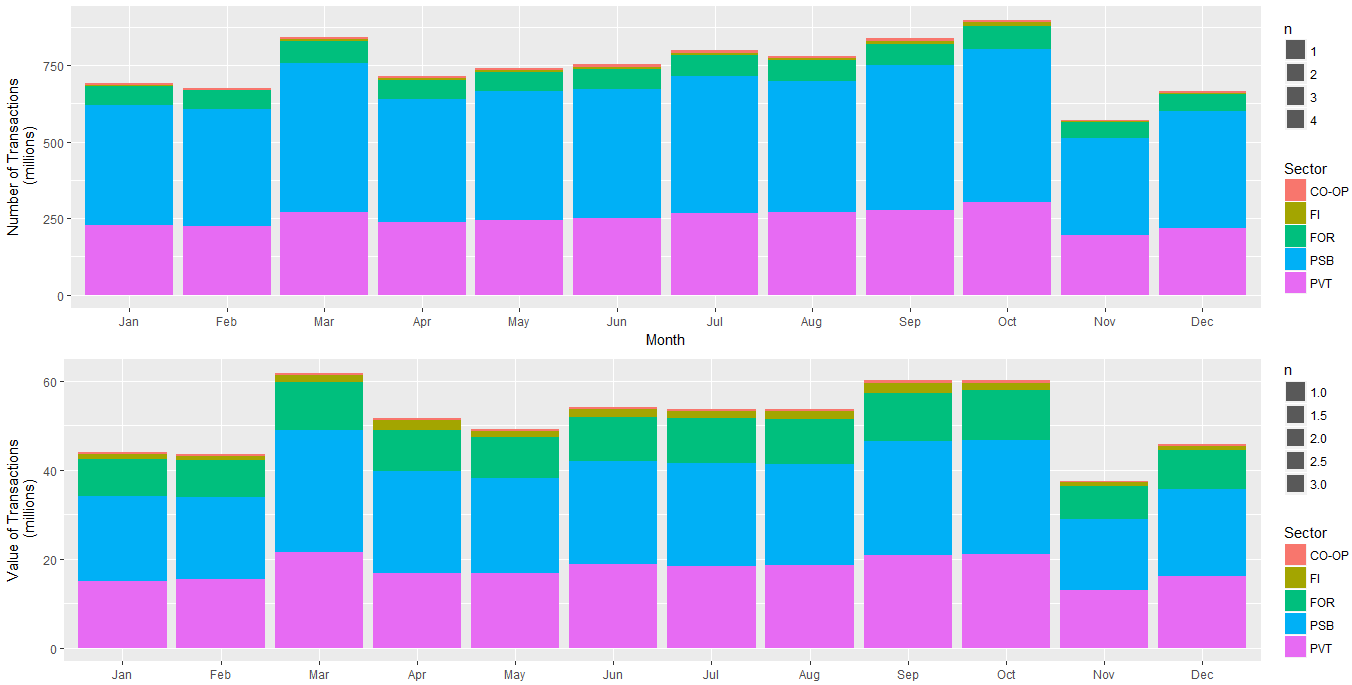
Preprocessing is done in the “RBI\_Neft.R” file, which does the following:-

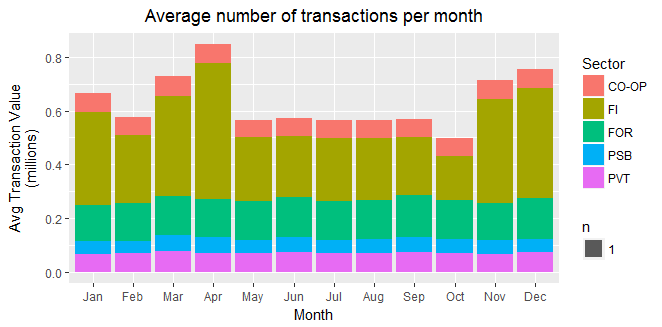
1. Reads the raw data files year by year
2. Creates 3 new columns:-
   * MonthAndYear – Combination of Month And Year separated by space. Example: Jan 2009, July 2012, etc.
   * TotalTxns – Sum of the inbound number of transactions and outbound number of transactions
   * TotalTxnValue – Sum of the inbound value of transactions and outbound value of transactions.
3. Creates a new column “Sector” by taking the join of the above modified dataset and the data in the “Classification.xls” file.

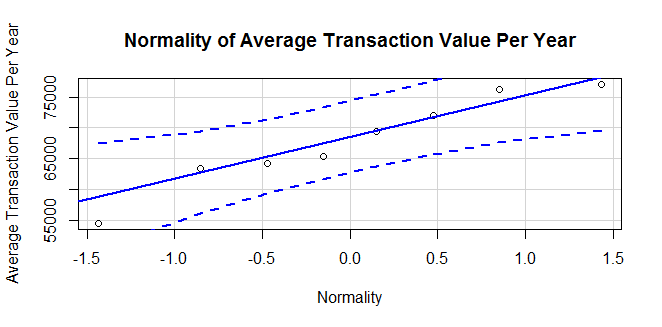
Important Points regarding the data:-

**Analysis of the Data**





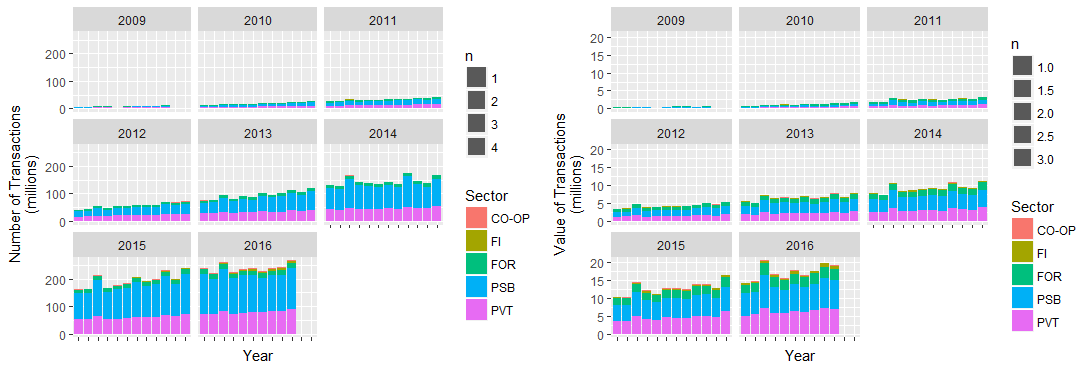


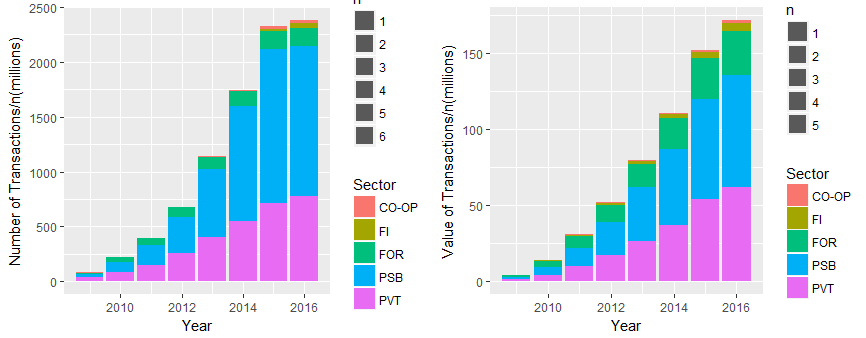


Skewness is -0.3615122

Summary Measures:-

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Min. | 1st Quartile | Median | Mean | 3rd Quartile | Max. |
| 54470 | 63980 | 67380 | 67760 | 73040 | 77080 |





**Interpretation/Inferences from the Analysis**