

Macroeconomics, Term 2, 2019.  
IFMR.  
Instructor: Sumit Mishra

### Assignment # 3

Due on Sunday, November 24 at 11.59pm (as PDF).

You should work in groups (of up to 3 people) on this assignment. Each group turns in one PDF file, two excels with the datafiles, and an R script. Put each member's roll number on the top left of the first page of the submission. For the first problem, you can download the raw data on consumer confidence in India here : [https://www.dropbox.com/s/ixytfz2iqchekck/IESH\\_July2019.xlsx?dl=0](https://www.dropbox.com/s/ixytfz2iqchekck/IESH_July2019.xlsx?dl=0).

Each question carries 5 points. This assignment accounts for 5% of your final grade.

- 1 [Consumer confidence in India](#) Pick any measure from the spreadsheet and summarize one of the outlook variables (columns N until columns AC) using R to produce a graph or a table comparing two or more different groups of people (gender, income, etc). Describe the graph or the table using less than 100 words.
- 2 [The Interest Rate Spreads](#) Go to the web site of the Federal Reserve Bank of St.Louis (<https://fred.stlouisfed.org/series/T10Y3M>). This series gives you the spread between 10-Year Treasury Constant Maturity and 3-Month Treasury Constant Maturity. Pick a timeframe and a produce a graph in R. Explain the graph using less than 100 words.