

Macroeconomics, Term 2, 2018.
IFMR.
Instructor: Sumit Mishra

Assignment # 1

Due on Sunday, September 16 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. Put each member's name on the top left of the first page of the submission.

You can download data on country snapshots from Charles Jones' webpage :

<http://web.stanford.edu/~chadj/snapshots.pdf>.

1 **Macroeconomics of an Interesting Country** Pick a country that you find interesting and learn some basic facts about its economy. Summarize these facts in a half-page of text and a few graphs using the snapshots data.

2 **Rule of 70:** If the growth rate is $g\%$ per annum, GDP will double approximately every $70/g$ years.

$$\text{Rule of 70 : Years to Double} = \frac{70}{g}$$

Calculating Growth Rate Using the “Country Snapshots” data, calculate the average annual growth rate of real per capita GDP between 1980 and 2014 for China, India, and the US. Assume that countries were to grow at these rates in future, how many years would then it take for these countries to double their per capita GDP?