

Introduction to Growth, its Measurement and Market Fluctuations

Dr Amir Ullah Khan



Video Link- https://www.youtube.com/watch?v=UHiUYj5EA0w



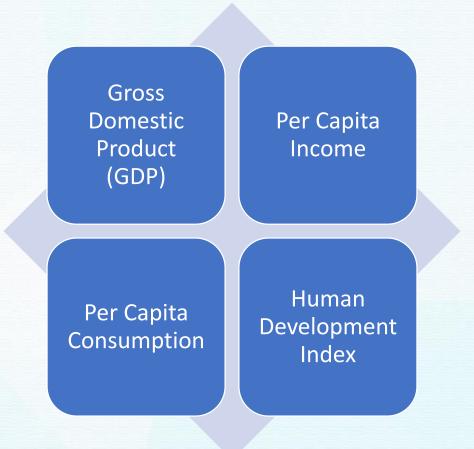
Economic Growth

Economic growth is the process by which a nation's wealth increases over time. Rate of economic growth affected by:

- Natural Resources
- Human Resources
- Capital Resources
- Technological Development
- Trade



Measures of Economic Growth





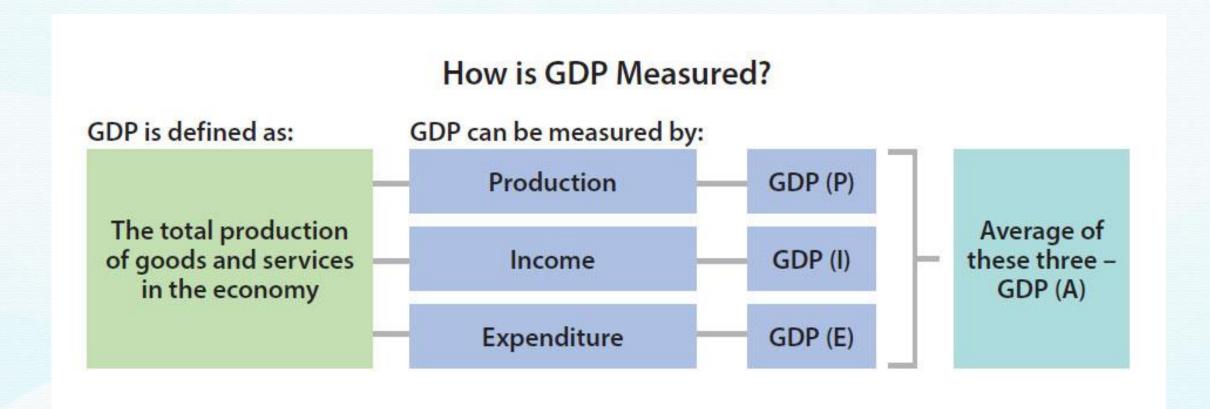
Gross Domestic Product (GDP)

GDP is the real rate of growth in a country's total output of goods and services produced in a year

Largest category of spending measured – consumer spending

Calculation: Price x
Quantity

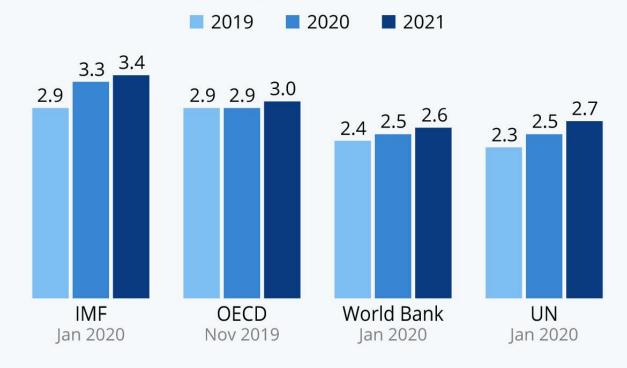






Where Is the World Economy Headed?

Global GDP growth forecasts by major international organizations (in %)



Sources: IMF, OECD, World Bank, UN











2020-21

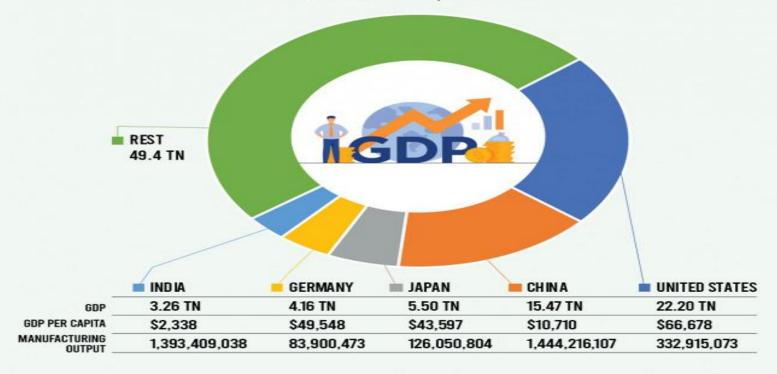
Country	Nominal GDP	Share in global GDP
United States	21,922	24.2
China	16,835	18.6
Japan	5,103	5.6
Germany	4,318	4.8
France	2,918	3.2
United Kingdom	2,856	3.1
India	2,834	3.1

Source: International Monetary Fund, World Economic Outlook, October 2020



GDP RANK BY COUNTRY (2021)

Total World GDP: \$91.98 TN



Name of the country	Global Manufacturing Output	
CHINA CHINA	28.7%	
UNITED STATES	16.8%	
JAPAN	7.5%	
GERMANY	5.3%	
INDIA	3.1%	



Real and Nominal GDP

Basis For Comparison	Nominal GDP	Real GDP
Meaning	Nominal GDP is Sum-total of economic output produced in a year valued at current market price	Real GDP is Sum-total of economic output produced in a year valued at a pre-determined base market price
Effect of Inflation	Nominal GDP doesn't take inflation into account	Real GDP is a Inflation-Adjusted GDP
Expressed in	Current Market Price	Base Year's Market Price
Value of GDP	Is much higher since current market changes are taken into effect	Is much lower since market price of the base year is taken into consideration
Uses	Can be compared with various quarters of the given year	Can be compared with two or more financial years
Economic Growth	From Nominal GDP, economic growth can't be analysed easily	Real GDP is a Good Indicator of economic growth



Per Capita Income

Per capita income of a country refers to income per head of the population of that country.

It can be calculated at current prices or at constant prices.

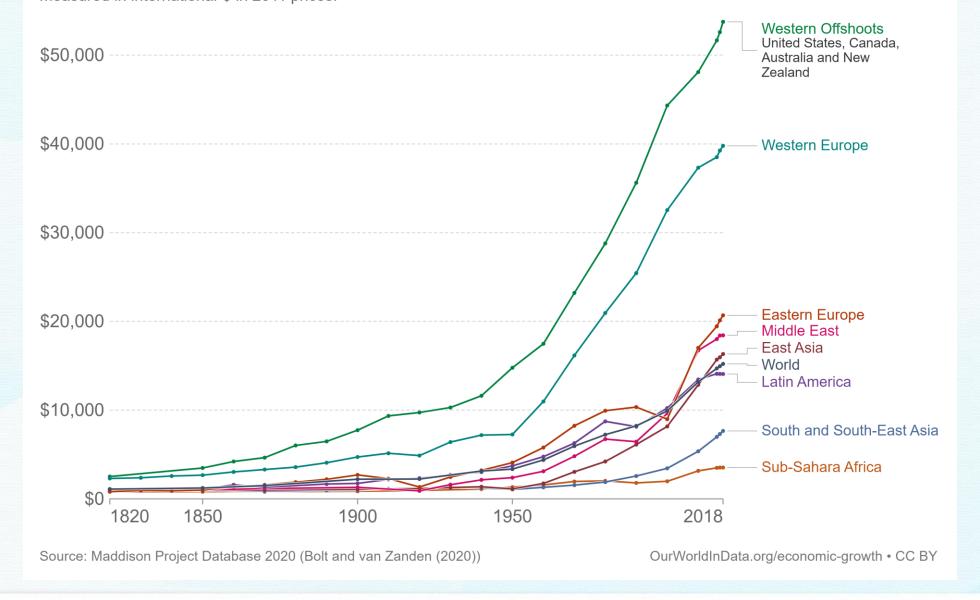
Per capita income can be used to determine the average per-person income for an area and to evaluate the standard of living and quality of life of the population.

GDP per capita, 1820 to 2018

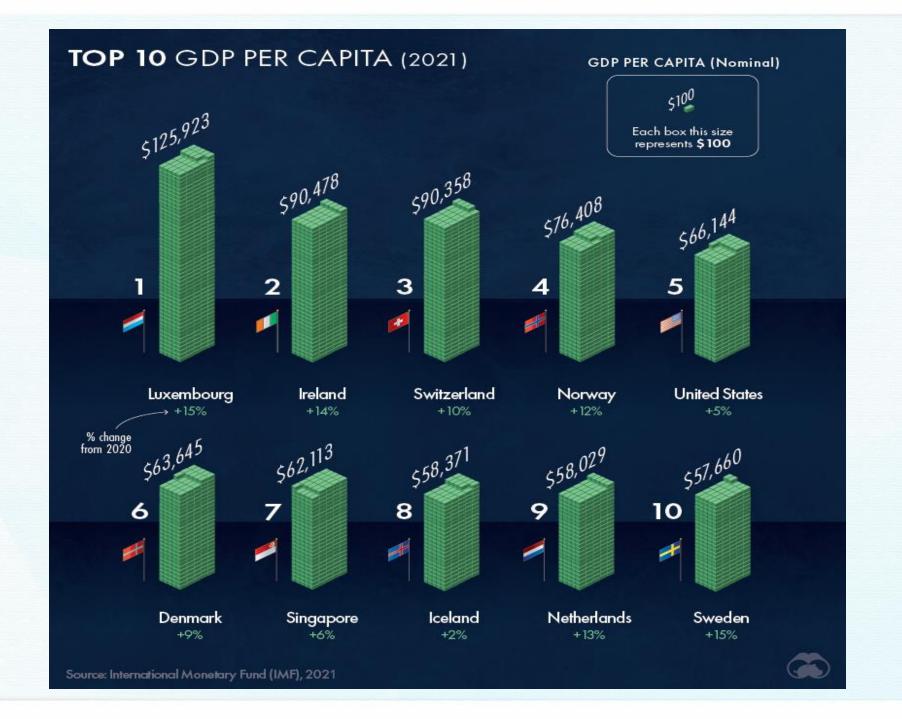




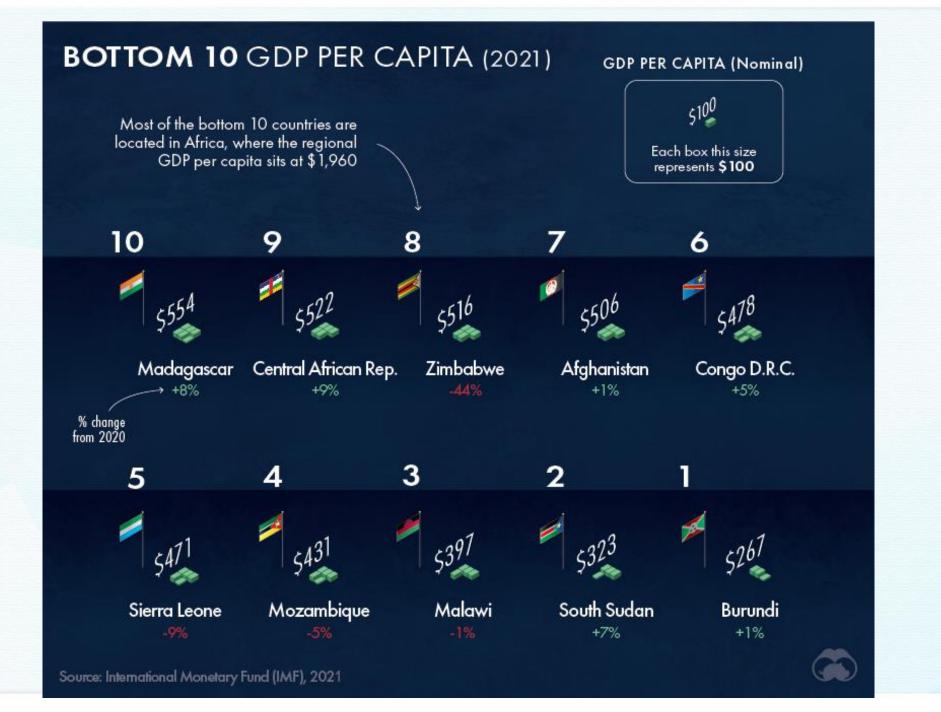
GDP per capita adjusted for price changes over time (inflation) and price differences between countries – it is measured in international-\$ in 2011 prices.







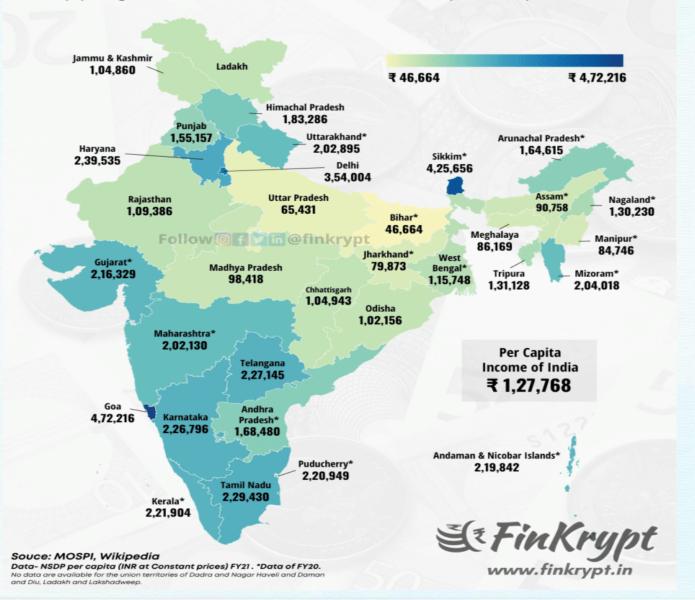




GEOGRAPHY OF GROWTH

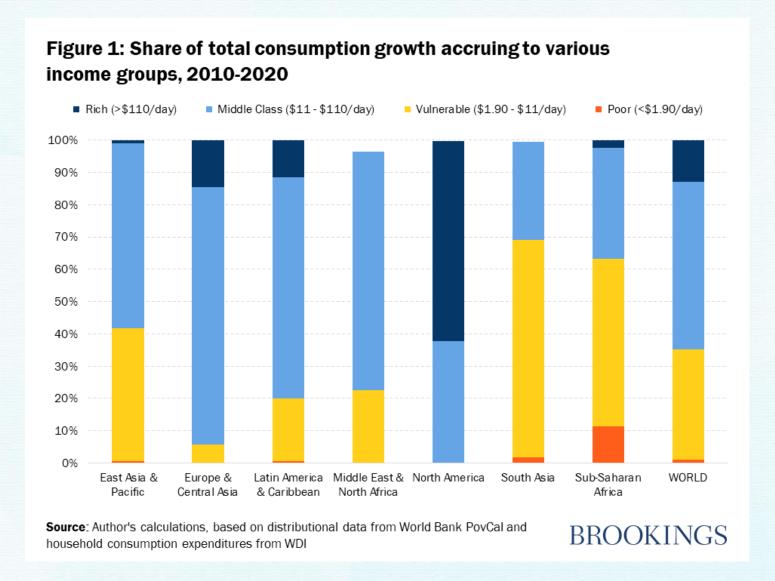


Mapping State-wise Nominal Income per Capita (₹)





Per Capita Consumption





Human Development Index

- The Human Development Index is a statistic composite index of life expectancy, education, and per capita income indicators, which are used to rank countries into four tiers of human development
- HDI = 1/3 L + 1/3 E + 1/3 Y

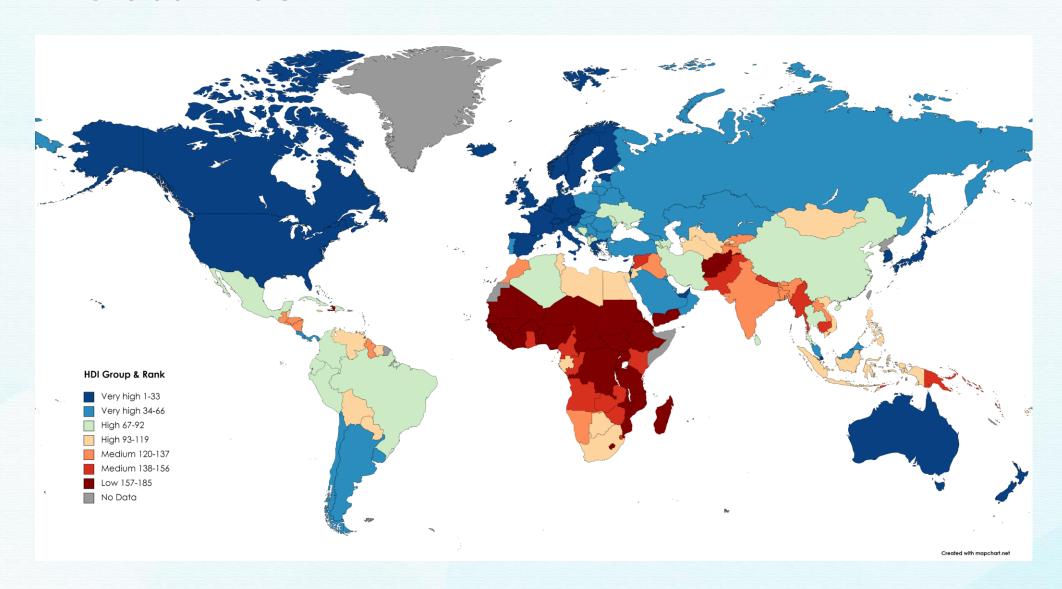
E = Educational attainment

L = Life Expectancy

Y = Income



HDI Global Index





Human Development Index, 2020 185. South Sudan

1. Norway

2. Ireland

2. Switzerland

4. Hong Kong

4. Iceland

131. India

Out of 189 Countries

by (UNDP)

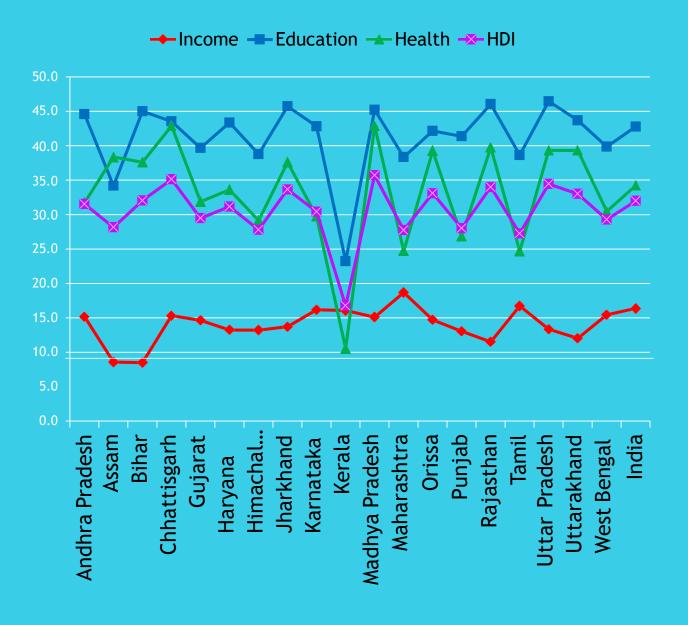
187. Chad

188. Central

African Republic

189. Niger

Percentage loss in the three inequality adjusted indices





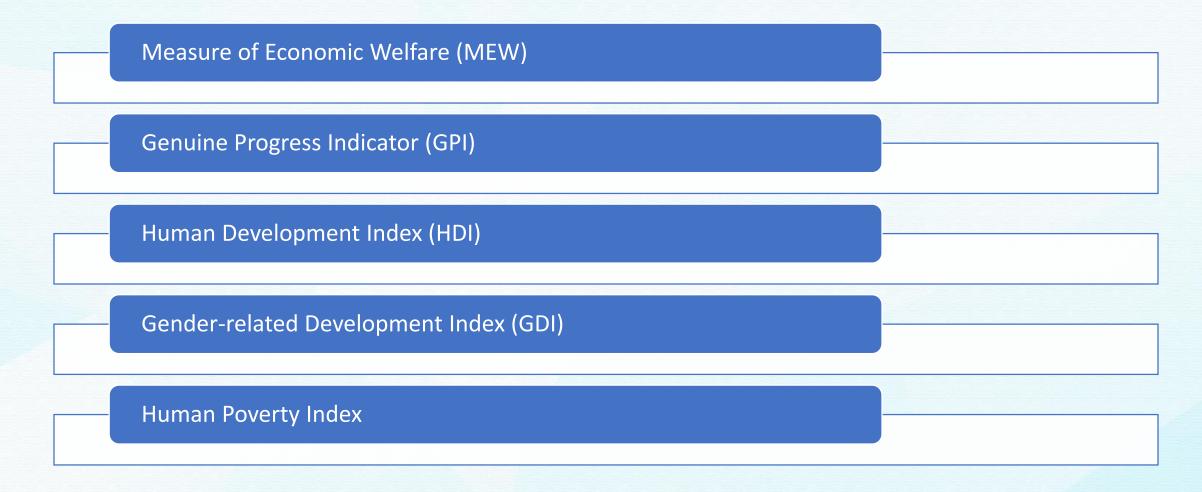
Is Development synonymous with Economic Growth?

Different Development Goals of Society-

- Equality of opportunity
- Rising income and standard of living
- Equity in the distribution of income and wealth
- Political democracy and wide-spread participation
- A clean and healthy environment
- Efficient, competent and fairly administered public sector



The Indicators Criterion of Development

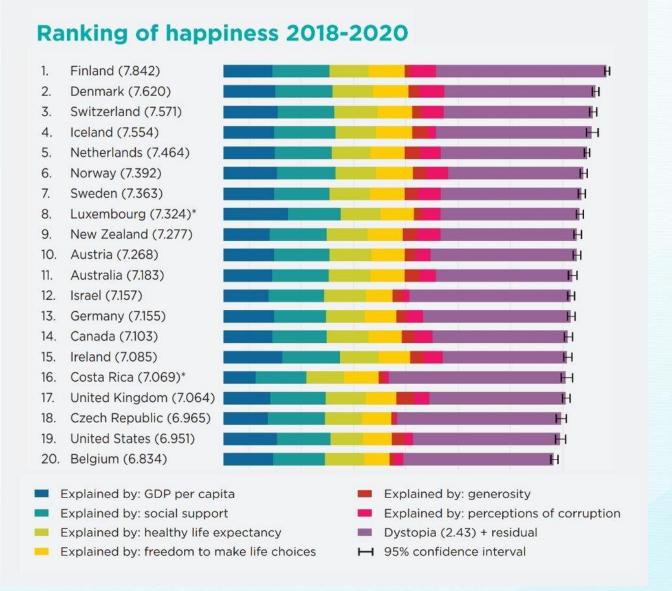




Happiness Index:

A better indicator to measure growth?

INDIA's Rank- 139





Business Cycle: It describes short-run GDP fluctuations in overall economic activity.

- Contraction When the economy starts slowing down.
- **Trough** When the economy hits bottom, usually in a recession.
- Expansion When the economy starts growing again.
- Peak When the economy is in a state of "irrational exuberance."

The phases of a business cycle follow a wave-like pattern over time



Readings

- Iqbal, B. A., Rahman, M. N., & Hasan, M. (2019). Social Indicators: A Comparison Among Selected Countries. Journal of Development Policy and Practice, 4(2), 123–144.
 https://doi.org/10.1177/2455133319862405
- Offer, A. (2000). Economic Welfare Measurements and Human Well-Being.