

# Pakistan Aisa Kiun Hai?

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### **Abstract**

In this project we have to analyze Pakistan that why it like that among all the countries over the world. We are given a file taken from Gapminder website . the file contains data of many countries from 1952 to 2012 . In the file there were almost 50 countries along with there indicators. In this file there are some indicators which may help us to get approach to our final conclusions. We have to analyze all the countries and then we will see the development position of Pakistan among all the countries .Then we have to decide that “Pakistan Aisa Kiun Hai?”. We made calculations of given data of indicators which help us to make final graph. We analyzed from our calculations that progress line of Pakistan is very low. Due to this reason Pakistan is at low position as compared to other countries in progress graph or graph of positive points. On other hand, United States of America, Germany and Japan are good in their progress line.

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# 1 Introduction

“Pakistan Aisa Kiun Hai?” is our semester project. We were given a file taken from the Gapminder website. We have to analyze the current position of Pakistan as compared to all other countries. File that we have was Excel sheet in which we can compute the data and take final decisions. But We are now solving this problem through coding in programming language. There is a list of indicator which helps us to show the progress graph of each country in each indicator. I have selected some important indicators which helps me to make a graph of progress line.

## 2 Indicators

There were many indicators in the Gapminder file but I have selected eleven important and positive indicators to make my calculations short and easy. It will help me to take decision about question “Pakistan Aisa Kiun Hai?”. Indicators are given below:

### 2.1 Agricultural Land

Agriculture is considered as the bone of a country. If agriculture of a country is good, country can survive. Agriculture is a positive indicator for any country. Agricultural lands are very compulsory for Agriculture system. If there are no agricultural lands in a country then it will face the issue of food. And countries those agricultural system is not good and due to lack of food they have to import the food from other countries having good agricultural system. Hence agricultural lands are bones of a country. The progress line agricultural land of each country, which I have selected in my list, is shown in the graph given below:

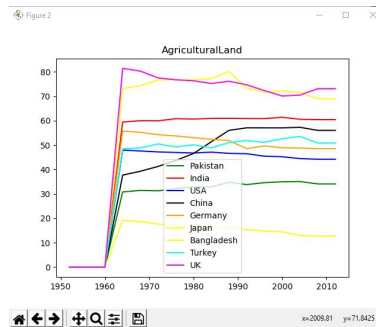


Figure 1: Agricultural Land

With the help of the graph, I am able to see the progress line of agricultural land of desired countries. In Pakistan is at bottom as compared to other countries and this factor is affecting the progress line of Pakistan.

## 2.2 Democracy Score

Democracy is Government by the people. A form of government in which the supreme power is vested in the people and exercised directly by them or by their elected agents under a free electoral system. A state having such a form of government is called democracy. For the development of any country, it is necessary to have a democracy. And democracy score for any country also matters. If democracy score of a country is low, its progress and development will automatically be low. And if democracy score of a country is high, its progress and development will also be high. Democracy score helps a country to be a prosperous country.

Democracy Score of my desired countries is shown in graph given Below:

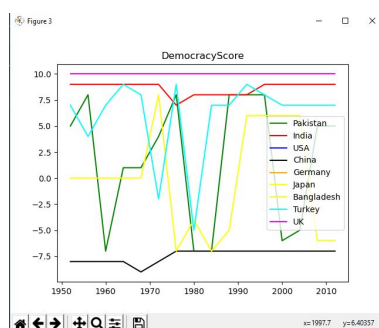


Figure 2: Democracy Score

With the help of the graph, I am able to see the progress line of democracy score of desired countries. Democracy score of Pakistan as compared to other countries is not Stable. as we can see in the graph our democracy score is in zigzag line.

## 2.3 Exports

Exports are very necessary for progress and development of any country. Exports are those things and services which one country produced and sold to another country. Exports are big source of income of any country. If a country exports their things and many other equipment to another country, they will be strong and prosperous with money earned by the exports. If number of exports per year of a country are less, then their income automatically be low and they will be occupied in poverty. In short, exports are one of the major indicator of progress and development.

Exports of my desired countries is shown in graph given Below:

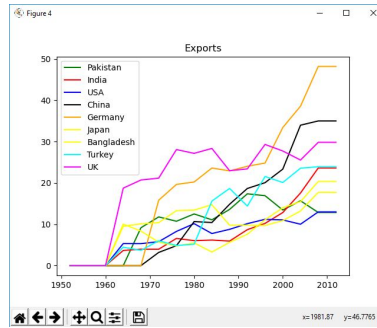


Figure 3: Exports

This graph show that Pakistan export line is increasing but it is still at low as compared to other countries.

## 2.4 Imports

Imports are the things which a country buy from another country to fulfill their needs. Imports are also a good indicator of progress and development of country. If a country imports things from another country then it will have to pay money for these imports . If number of imports of a country are less then they will be strong and prosperous and vice versa.

Imports of my desired countries is shown in graph given Below:

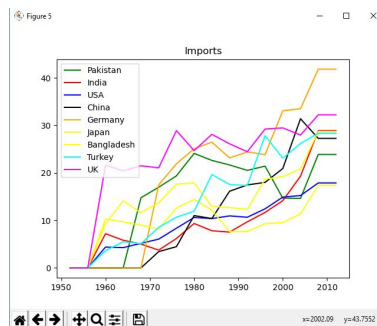


Figure 4: Imports

This graph shows that imports of Pakistan are more than exports which is cause decrease in the income of country.

## 2.5 Ratio of girls to boys in primary schools

Education is a very important for any country. Education can make important role in progress and development. Education is necessary for both girls and boys. Girls and boys both can play their important roles. If we prefer only boys' education and degrade the girls' education, only boys will play their role in development of country. But we promote education for both girls and boys, they will make their efforts for the prosperity of their country. Graph of that indicator is given below:

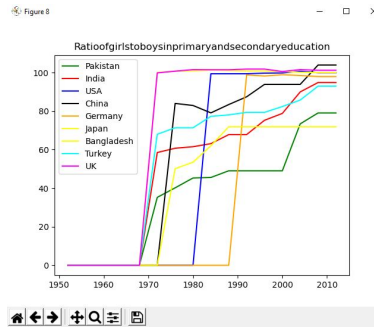


Figure 5: Ratio of girls to boys in primary schools

This graph show that education line low as compared to other countries like Germany. And this a big hindrance in development of Pakistan.

## 2.6 Income Per Person

Every person of a country is very precious. Every person pays his important role in progress and development of their country. A person can make his country strong and weak as well. Income of a person is very compulsory for the development of a country. If person's income is low then automatically it will affect development of country very badly. On other hand, high income of person can make country strong and prosperous.

Graph of income per person is given below:

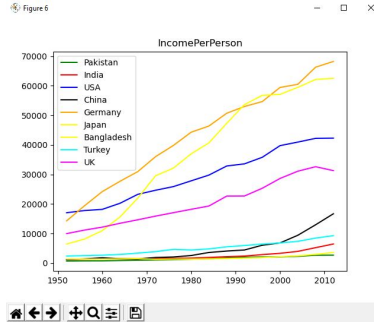


Figure 6: Income per Person

This graph show that income person is very low in Pakistan in the comparison of other countries. This issue also invoke poverty and hence progress is difficult.

## 2.7 Oil Consumption per Person

Oil is one of good source of income for any country. If a country consumes more oil per person, there is possibility of facing the issue of lack of oil. This issue can cause many problems for country. Oil consumption in a country is also a reason for development and progress of country. graph of Oil consumption per person is given below:

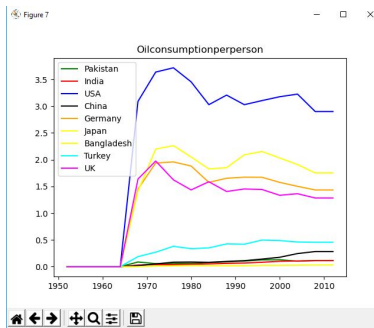


Figure 7: Oil Consumption per Person

## 2.8 Renewable Water

Water is technically considered a renewable resource because it can be used over and over again and it has a rain cycle. However, it is only in the short-term that water can be thought of as a



renewable resource and the sustainability of this renewable resource is questionable. Non-renewable energy sources are not just altering our Earth's atmosphere by increasing the amount of greenhouse gas emissions. They also emit a variety of pollutants that impact people's health and the environment. For example, coal-fired power plants are the single largest source of mercury emissions in the US. Renewable water is great source for human progress and prosperity. Graph of that indicator is given below:

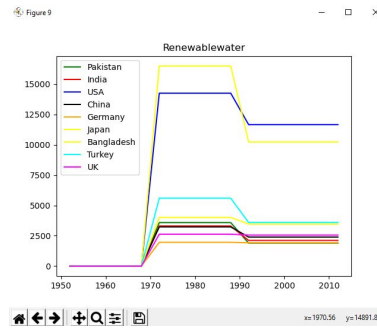


Figure 8: Renewable Water

This graph also shows that Pakistan is at low position as compared to other countries.

## 2.9 Total health spending per person

Health is a good indicator for the progress of country. If people of a country are healthy, country will be strong. Health line is also low in Pakistan.

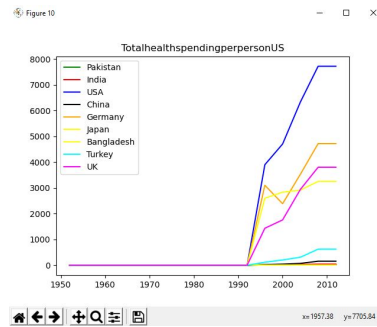


Figure 9: Total health spending per person

## 2.10 Trade balance

The trade balance is the net sum of a country's exports and imports of goods without taking into account all financial transfers, investments and other financial components. A country's trade balance is positive (meaning that it registers a surplus) if the value of exports exceeds the value of imports. Conversely, a country's trade balance is negative, or registers a deficit, if the value of imports exceeds that of exports. The trade balance is the official term that is used for net exports in the current account.

Graph of that indicator is given below:

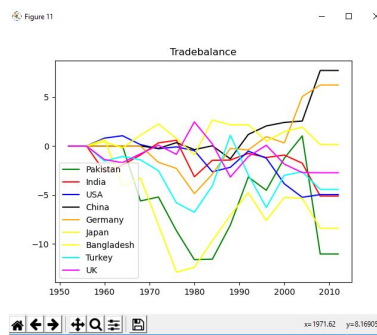


Figure 10: Trade Balance

This graph shows that Trade balance of Pakistan is low as compared to other countries.

## 2.11 Urban Population Growth

Urban growth is defined as the rate at which the population of an urban area increases. This result from urbanization which is the movement of people from rural areas to urban areas . Urban growth may lead to a rise in the economic development of a country. Urban growth may lead to a rise in the economic development of a country. Urban growth is also referred to as the expansion of a metropolitan or suburban area into the surrounding environment.

Graph of that indicator is given below:

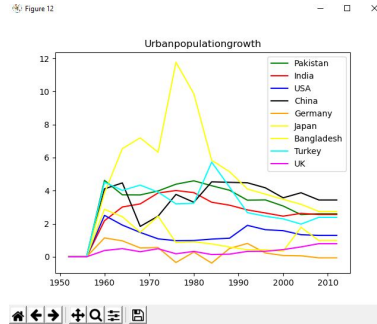


Figure 11: Urban Population Growth

This graph shows that urban population of Pakistan is good as compared to other countries.

## 2.12 Long term Unemployment Rate

Long-term unemployment refers to people who have been unemployed for eleven months or more. The long-term unemployment rate shows the proportion of these long-term unemployed among all unemployed.

The graph of long term unemployment rate is given below:

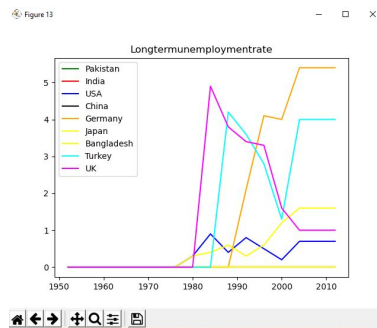


Figure 12: Long term Unemployment Rate

## 3 Working

First of all we red the file taken from Gapminder website.

### 3.1 Tools

We used many some tools in that project.

#### 3.1.1 Programming Language

We were doing this project through programming so we have to decide for the programming language. We use Python for coding.

#### 3.1.2 IDE

We used Visual Studio Code for project.

### 3.2 Calculations

First of all, we stored the all city in dictionary so that they may be in presentable form. Then we selected indicators and countries. After selecting our desired countries which were Famous countries including Pakistan. We used data of indicator to calculate their marks. And on the basis of that marks we have to find indicators' average marks, which help us to show the final progress line of all countries using these indicators and their data.

## 4 Conclusion

On the basis of average marks of indicators of each country, we were able to show their final graph of progress line which is given below: This Graph shows that Pakistan has very low positive points

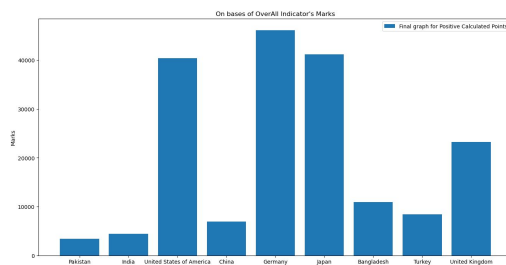


Figure 13: Final Graph of Positive Indicators

as compared to other countries. Therefore Pakistan Progress and development graph is not good. On other hand, countries like Germany and USA have good position in the graph and this behaviour of graph says that they are good countries with respect to development. This graph provides the answer of question "Pakistan Aisa Kiun hai?".

## 5 Reference

1. [www.planning.com](http://www.planning.com)
2. [www.wikipedia.com](http://www.wikipedia.com)
3. [www.investopedia.com](http://www.investopedia.com)
4. [www.gapminder.org](http://www.gapminder.org)