Analysis about Foreign Tourism In India

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1 Introduction

This data analysis project is about tourism in India, which is the title of the project.The title is about how many people visit India as tourists from foreign countries. Here foreign tourist arrivals means how many people are foreign nationals and international tourist arrivals means number of foreign tourist that arrives in country plus the number of NRIs that arrive in the country. The data in the data sets used have been collected every year from 2001-2020. Some datasets also contain data from 1981,1991. The data sets are collected with the help of the information that the bureau of immigration collects from every tourist. The data set on foreign exchange is collected by Reserve Bank Of India.

2 Why the dataset about tourism is needed?

For a country, foreign tourist arrivals is very important as it helps in boosting the economy of the country. It helps the country in improving it's foreign reserves which is very important for the further growth of developing nation. Also tourists wants to visit different historical places and sites which creates jobs for people. The arrival of foreign tourist results in better infrastructure of the nation.

This data about inbound tourism helps in analyzing about who visits the nation more and how much the foreign tourism helps the nation.Also the data shows us that where our nation stands on world level in terms of tourism.

3 Datasets and their source

Note- All the datasets are in csv format.
The dataset about the tourism in India is collected from the data given by Government of India. The various datasets with the source is listed below

- Inbound Tourism:Foreign Tourist Arrivals(FTAs), Arrival of NRIs and International Tourist Arrivals(ITAs) 1981-2020,Source - Bureau of immigration, Govt. Of India

- FTAs in India according to quarter 2001-2020, Source - Bureau of immigration, Govt. Of India

- FTAs in India according to age group 2001-2020, Source - Bureau of immigration, Govt. Of India

- FTAs in India during 1981-2020 for important source countries of 2020, Source - Bureau of immigration, Govt. Of India

- Foreign exchange earnings from tourism in India during 1991-2020, Source - Reserve Bank Of India and BOI

- International Tourist Arrival in World and India, 2001-2020, Source - UN World Tourism Organization and Bureau of Immigration, Govt. Of India

4 Elements of the data sets and data schema

Note- All the data sets contain a common attribute which is Year which displays data of a particular year.

4.1 Data set about arrival of international tourists

Using this data set we analyze foreign tourist arrival trend in India. This dataset has seven attributes. This data set contain the following attributes

- FTAs in India (in million)- Shows the number of foreign national coming to India as tourists. Unit is million.

- Percentage change over the year - Shows the percentage change in the number of tourist arriving as compared to previous year. For percentage change over the year there are three attributes. It shows the percentage change for FTAs, NRIs, ITAs. Unit is percentage.

- NRIs arrival in India (in million) - Shows the number of Non-Resident Indians arriving in India as tourists. Unit is million. Note- This attribute have no data from year 1981-2020 because starting from 2014, India have started including the NRIs arrival according to the definition of ITAs.

- International Tourist Arrivals in India (in million) - Shows the sum of FTAs and NRIs arriving in India as tourist. Unit is million.

4.2 Data set about FTAs in India according to Quarter

Using this dataset the seasonal arrival trend of tourist is observed. This helps in identifying the peak season of tourism as identifying the peak season is very important socially, ecologically, economically. This dataset has six attributes. This data set contain the following attributes

- Arrivals - Shows the number of FTAs in India

- Percentage distribution by Quarter - Shows how much percentage of the FTAs is distributed in a particular quarter. There are total of four attributes representing all four quarters (Jan-Mar, Apr-June, July-Sep, Oct-Dec). Unit is percentage.

4.3 Data set about FTAs according to age group

Using this dataset analysis of age group of foreign tourist arrival is done. This dataset has ten attributes. This data set contain the following attributes

- FTAs- Shows the total number of FTAs in India.

- Percentage distribution by Age-Group (in Years) - Shows what percentage of foreign tourist arriving in India in a particular year is of particular age group. There are total of 7 attributes representing all age groups. The age groups are 0-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65 and above. One attribute is of age group that was not reported. Unit is Years.

4.4 Data set about FTAs in India for important source countries of 2020

Analysis of country wise data is important as it helps in observing how many people are from economically weaker as well as economically stronger countries are visiting. More arrivals from countries such as USA, UK, Europe is vital for the growth of our tourism industry. This dataset has sixteen attributes. This data set contain the following attributes

- Countries - There are total fifteen attributes representing fifteen different countries. The countries are Bangladesh, USA, UK, Canada, Russian Fed, Australia, France, Germany, Malaysia, Sri Lanka, Thailand, Japan, Afghanistan, Nepal, China(main).

4.5 Data set about Foreign Exchange Earnings from tourism in India.

Note - The data in the dataset is given both in INR and USD. The data conversion of INR to US Dollar vary according to the exchange rate in the particular year.
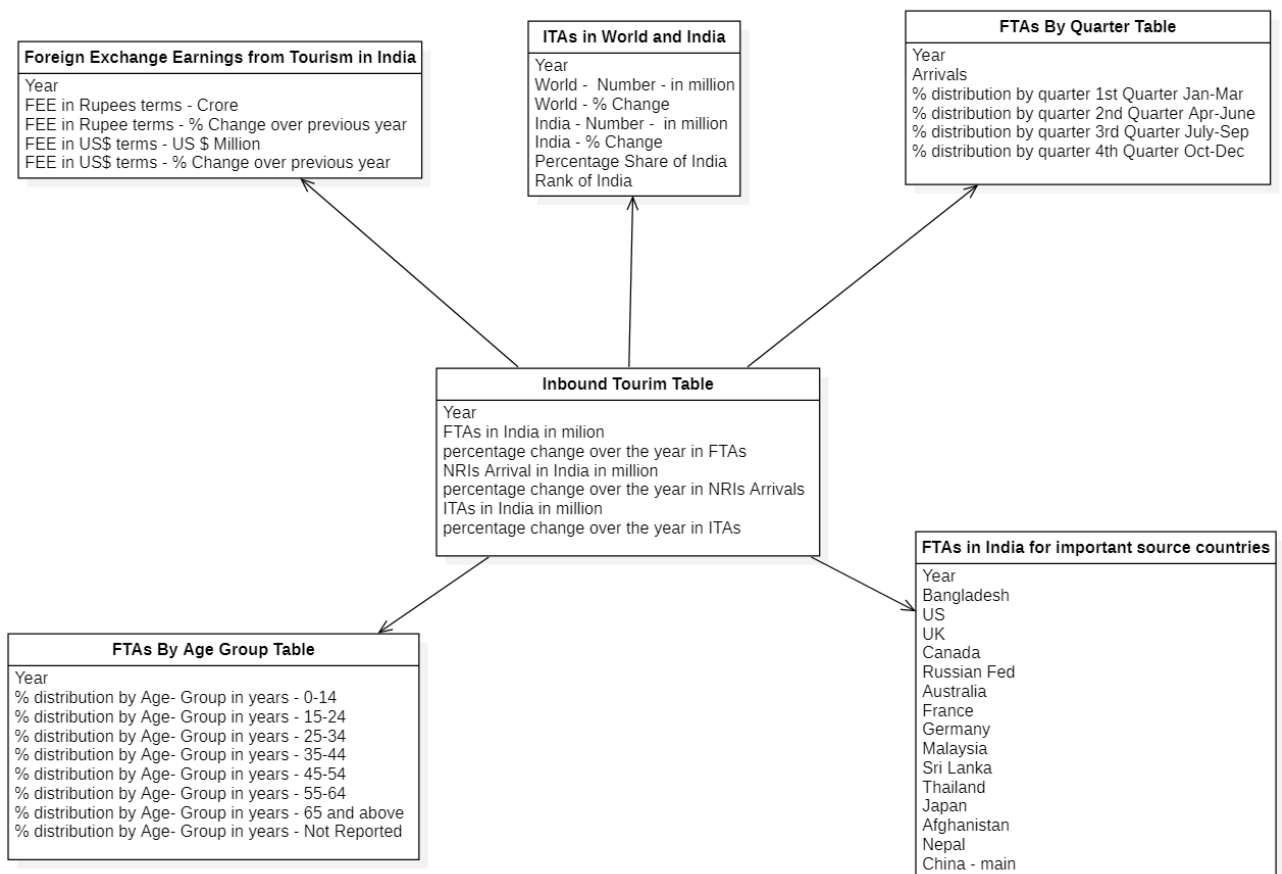Foreign exchange is very important for a country. When more and more tourist comes foreign exchange is more. This dataset has five attributes This data set contain following attributes

- Fee in Rupees Terms(Crore) - Shows how much is the earnings from FTAs in Indian Rupees.

- Percentage change over previous year - There are two attributes representing percentage change over previous year in earnings from FTAs Indian rupee and US dollar.

- Fee in US dollar terms(Million) - Shows how much is the earnings from the FTAs in US dollar.

4.6 Data set about ITAs in World and India

Generally people tend to visit popluar destinations. More the people visit a country more the tourism rank is improved which helps in boosting the tourism industry of the country. This dataset has seven attributes. The dataset contain following attributes

- World Number (in million) - It shows how many ITAs are recorded in world in a particular year. Its unit is million.

- World percent change - It shows what is the percentage change in ITAs in world as compared to previous year.

- India Number (in million) - It shows how many ITAs are recorded in India in a particular year. Its unit is million.

- India percent change - It shows what is the percentage change in ITAs in India as comapred to previous year.

- Percentage share of India - It shows the percentage share of ITAs of India in the world.

- Rank Of India - It shows where does India stands in term of ITAs in the world.

5 What analysis can be done?

These datasets will help in analyzing the tourism in the country in many different aspects. The analysis will solve questions like how India have changed in terms of International Tourist arrivals, How many tourist visited India in a particular year from top 15 source countries, in which quarter of a year more tourist arrived , which age group visited more, how much earnings India made from tourism, it will also analyze that what share India has in world in terms of tourism, what is the rank of India in tourism and how it has changed.

6 Conclusion

This was the report about the datasets of analysis of foreign tourism in India. Analyzing tourism data is necessary for the betterment of a nation economically, socially, sociologically as it helps strengthen

economy, infrastructure. All the datasets will be cleaned according to the need. These datasets will be further analyzed according to need of the analysis.

7 References

- `https://tourism.gov.in`

- Dataset about inbound Tourism: FTAs, Arrival of NRIs, ITAs -
  `https://data.gov.in/resource/inbound-tourism-foreign-tourist-arrivals-ftas-arrivals-non-resident-indians-nris-and`

- Dataset about FTAs in India according to Quarter -
  `https://data.gov.in/resource/foreign-tourist-arrivals-ftas-india-according-quarter-2001-2020`

- Dataset about FTAs in India according to Age Group -
  `https://data.gov.in/resource/foreign-tourist-arrivals-ftas-india-according-age-group-2001-2020`

- Dataset about FTAs in India for important source countries -
  `https://data.gov.in/resource/foreign-tourist-arrivals-ftas-india-during-1981-2020-important-source-countries-2020`

- Dataset about Foreign Exchange earnings from Tourism In India -
  `https://data.gov.in/resource/foreign-exchange-earnings-tourism-india-during-1991-2020`

- Dataset about FTAs in World and India -
  `https://data.gov.in/resource/international-tourist-arrivals-world-and-india-2001-2020`

8 Overleaf Project URL

`https://www.overleaf.com/8575168665mrrdzmnwvcdk`