Introduction

Overview:
This project is related to tourism in India.The dataset has been taken from the governement of India page as instructed by the Smartinternz team.
The dataset contains:
1) Growth rate of each state by domestic and foreign travellers in the year 2016-2017.
2) Number of domestic and foreign travellers in 2016,2017.

Purpose:
The purpose of this visualization is to understand the growth rates of each state and develop better facilities to increase tourism to these states.
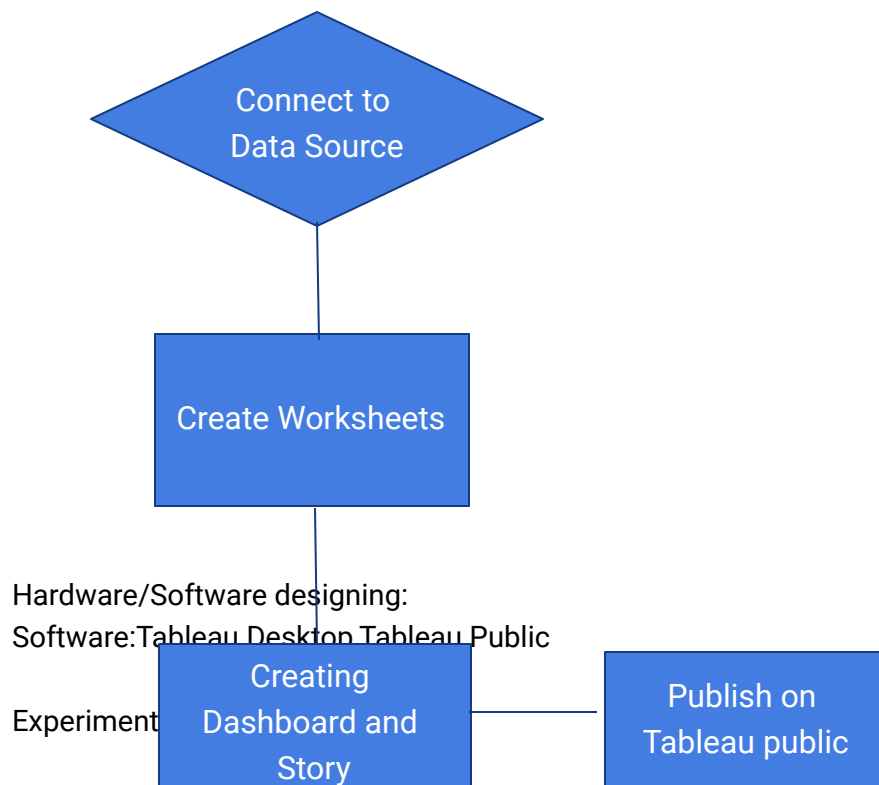
Existing Problem:
The issue we are facing is that many states have zero or negligible growth rates related to tourism.

Proposed Solution:
Visualize the data and understand which states need to be focused upon to promote more effective tourism in India.
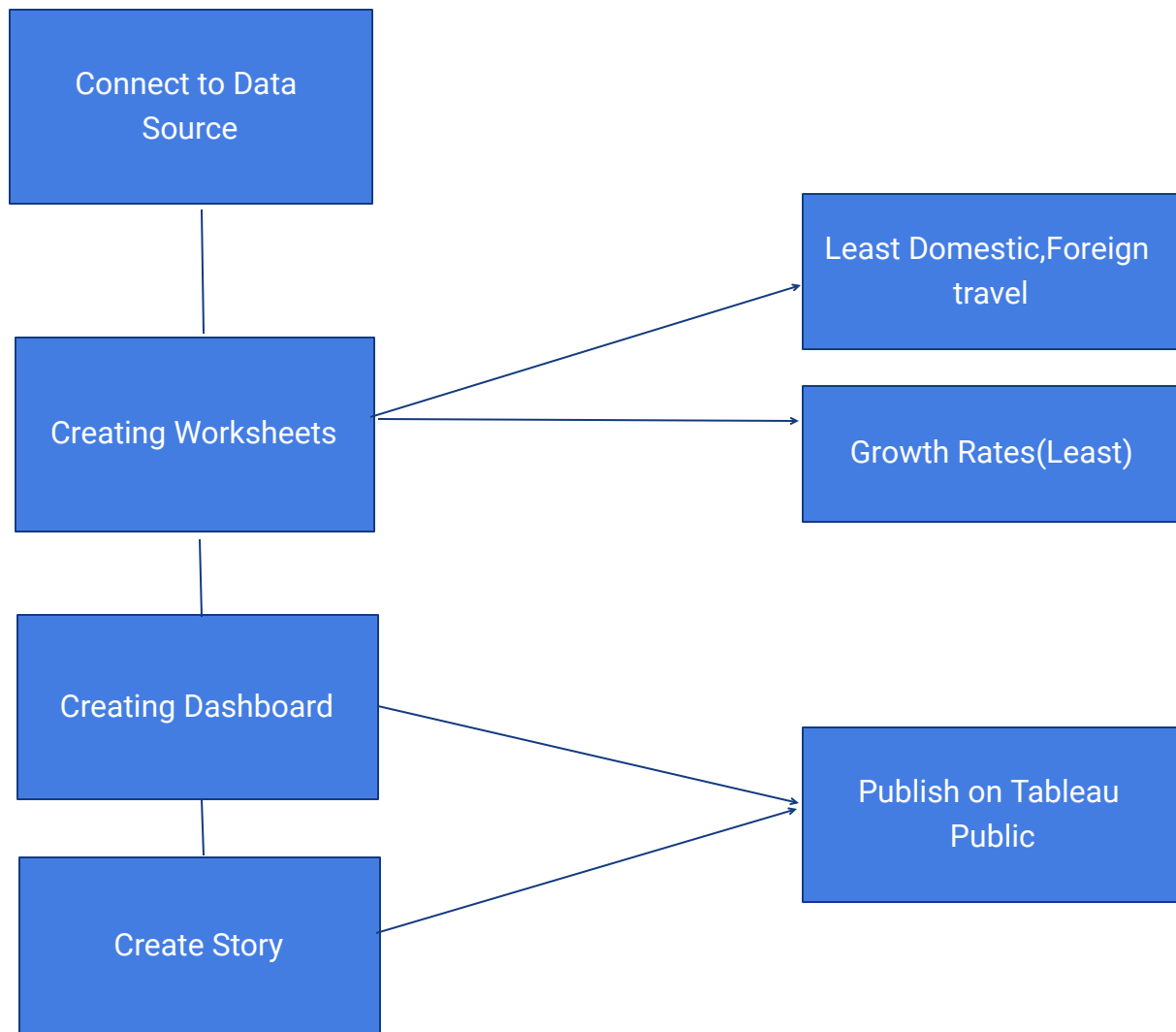
Block Diagram:

Connect to Data Source

Create Worksheets

Hardware/Software designing:
Software:Tableau Desktop Tableau Public

Creating Dashboard and Story

Publish on Tableau public

Experiment

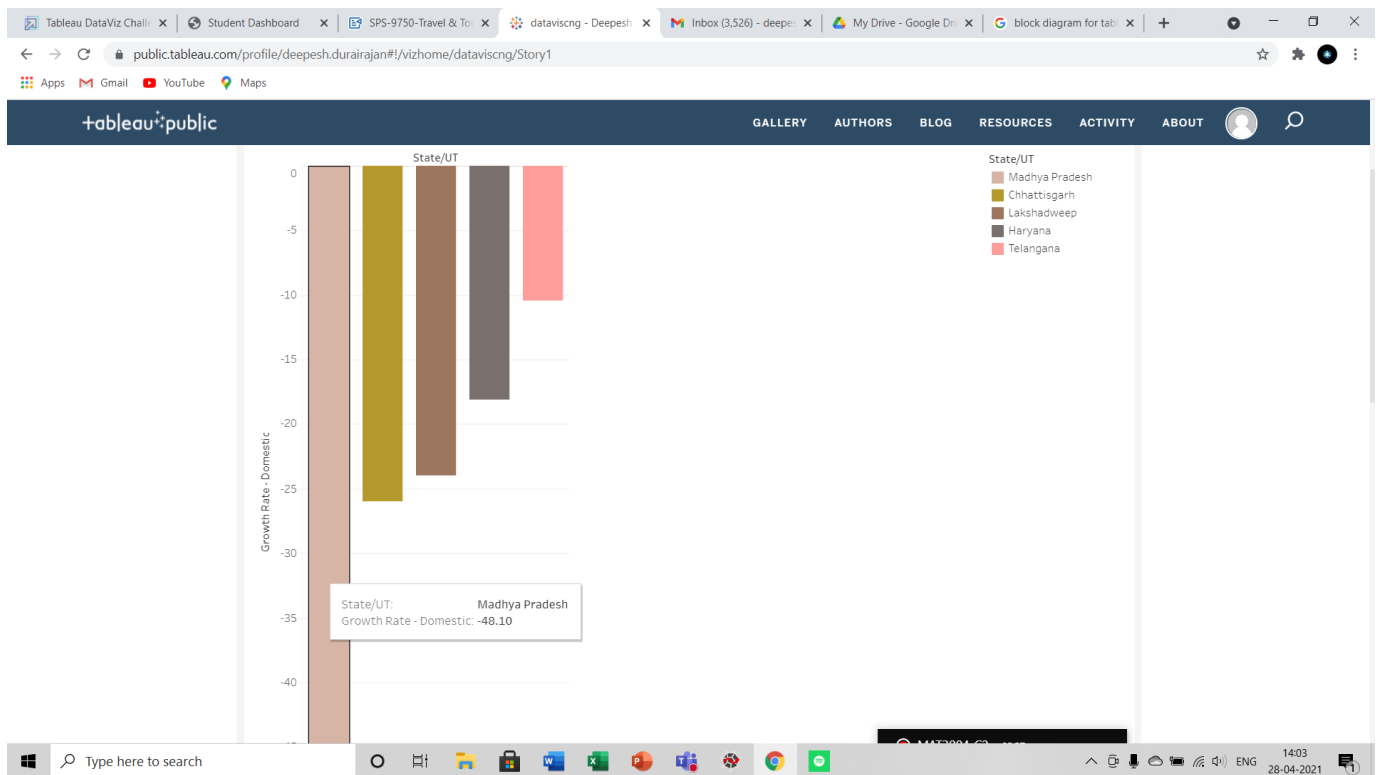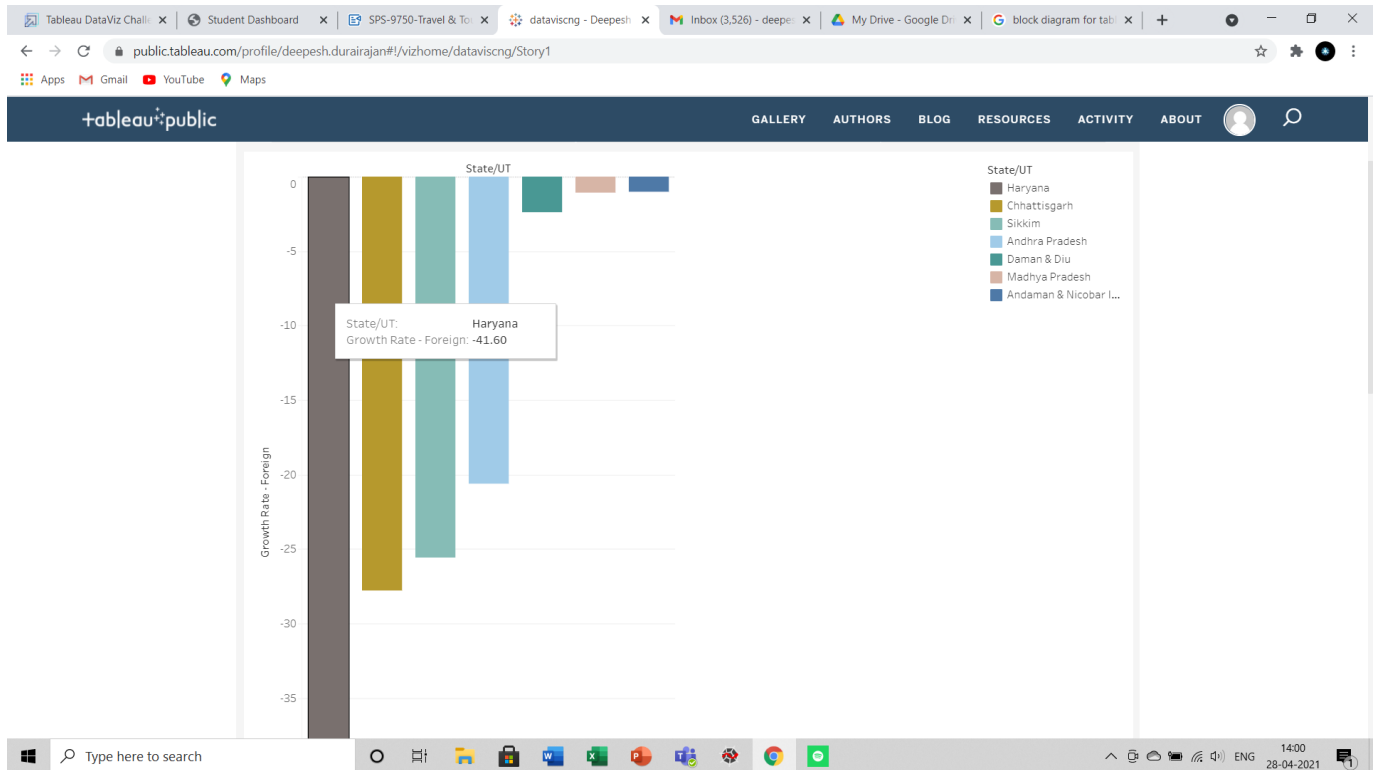Analysis on the growth rate of each state,number of visitors visiting each state in 2016 and 2017.
Growth Rate is least for Madhya Pradesh(-48.10) in terms of domestic travel, Haryana(-41.60) in terms of foreign travel.

Flowchart:

```
┌─────────────────┐
│ Connect to Data │
│     Source      │
└─────────────────┘
         │
         │                              ┌──────────────────────┐
         │                              │ Least Domestic,Foreign│
┌─────────────────┐                     │        travel         │
│                 │─────────────────────►└──────────────────────┘
│ Creating Worksheets                   ┌──────────────────────┐
│                 │─────────────────────►│  Growth Rates(Least) │
└─────────────────┘                     └──────────────────────┘
         │
┌─────────────────┐
│Creating Dashboard│                    ┌──────────────────────┐
│                 │─────────────────────►│  Publish on Tableau  │
└─────────────────┘                     │        Public         │
         │                          ┌───►└──────────────────────┘
┌─────────────────┐                 │
│  Create Story   │─────────────────┘
└─────────────────┘
```

Result:
States with least growth rates visualized for better analysis.

Advantages
Better solutions can be improvised to improve growth rate of the states using a quick and user friendly visualization.

Disadvantages
The above solution has been considered only for states having zero or negligible growth rate.

Applications:
Tourism and travel sector.

Conclusion:
The above project has been made considering topics taught in the bootcamp and other previous experiences.This visualization is User friendly and can be understood by anyone without previous tableau knowledge and can implemented in a effective way.

Future Scope
Prediction of future growth rates can be made using few algorithms in tableau.Accordingly.many decisions can be made.
Since there was a 5 day bootcamp related to the challenge,I have restricted my project only to visualization considering the topics that have been taught.