



EMPLOYMENT IN INDIA

THEME: EMPLOYMENT

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INTRODUCTION

1.1 OVERVIEW

This project is a data visualization on a dataset taken from data.gov.in using tableau as a tool. The theme chosen for this project is Employment and there are 4 datasets chosen.

- Labour Force Participation Rate (per 1000) for persons of age 15-59 years
- Worker Population Ratio (per 1000) for persons of age 15-59 years
- Employment Across Various Sectors (in Millions)
- Number of Workers by Broad Employment Status (in Millions)

The data visualizations developed are

- Dashboard1- Overview
- Dashboard2- Categories
- Dashboard3- Sectors
- Story1
- State Wise labour force rate per 1000
- Labourforce vs Workforce
- Categories of employees across years
- Categories of employment statewide
- Employment across Sectors
- Increase in employment from 2004-05 to 2009-10
- Increase in employment from 1999-00 to 2004-05
- Female labor force
- Male labor force

1.2 PURPOSE

The motivation behind imagining information is to break down different components in a dataset. This errand of envisioning information goes under Exploratory Data Analysis. As we continue investigating different variables and eventually reach a significant resolution to tackle a current issue. The datasets being picked gives us incredible insights into Employment and its components in India, this assists the government with understanding which territories are influenced most and by what boundary, at which rate, lastly, it helps the authorities make fundamental moves in the pertinent territory to improve the work in the country.

LITERATURE SURVEY

2.1 EXISTING PROBLEM

Based on the visualizations we notice the difference between the labor force and workforce. This gap is the unemployment of the country. There is a huge difference between the male and female labor force rates. Out of 1000 females in India, only 351 females are eligible for work per state. The employment of women is tragically very low. These are the facts we all know, yet ignored. Statistics indeed create an impact on the minds of people but not everyone understands raw data. Thus, the visualizations attract everybody and it is also easy to convince the person and address the problem.

2.2 SOLUTION

As mentioned, to overcome the ignorance to little issues with huge impact, visualizations are necessary. Thus, I have used Tableau to make attractive, yet simple visualizations to achieve good insights into the data. Graphs like a bar graph, scatter plot, tables, and map views have been used. A dashboard is built from interactive worksheets and the story gives us conclusions from each story point.

THEORETICAL ANALYSIS

3.1 OVERVIEW OF THE PROJECT

To start the visualization, I took data from data.gov.in related to the labor force. Labourforce is the population of the country that are in the age group 15-60 that are eligible for work. This labor force is usually calculated by surveys or population statistics. To analyze the number of the population working, I have compared the Workforce with the labor force. This insight brings both the employed and unemployed population to the notice.

3.2 HARDWARE/SOFTWARE DESIGNING

The tools used for this project are:

Software:

1. Dataset extraction
2. Tableau
3. Tableau Public

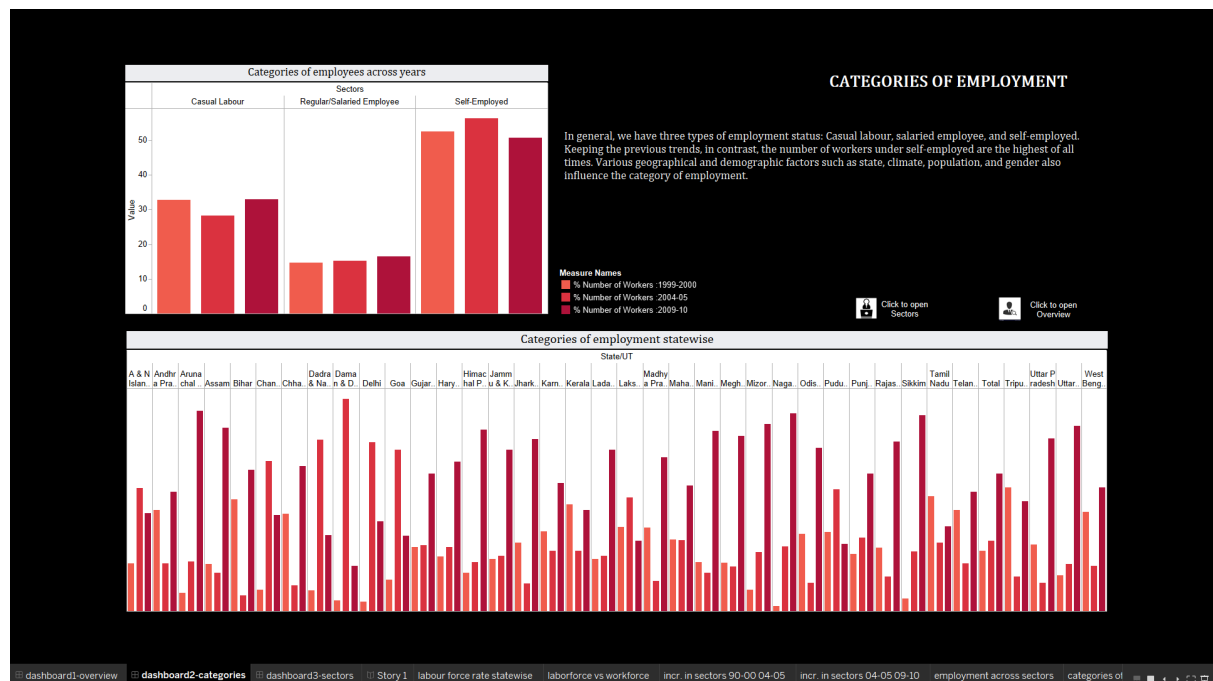
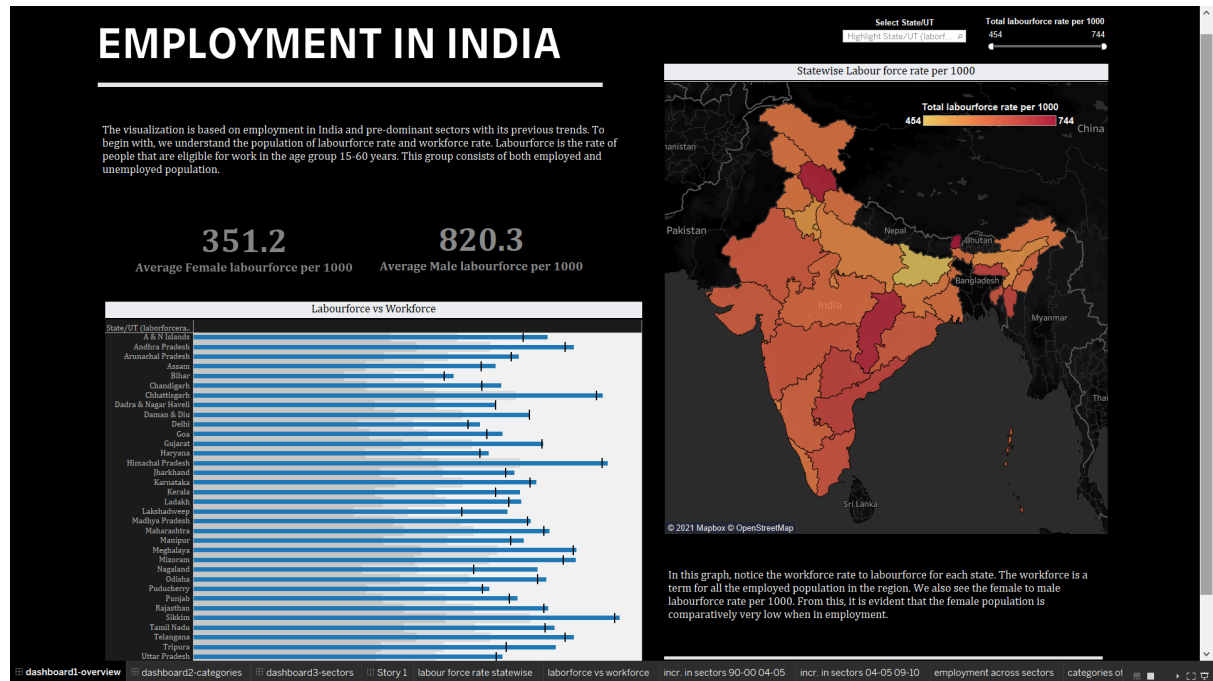
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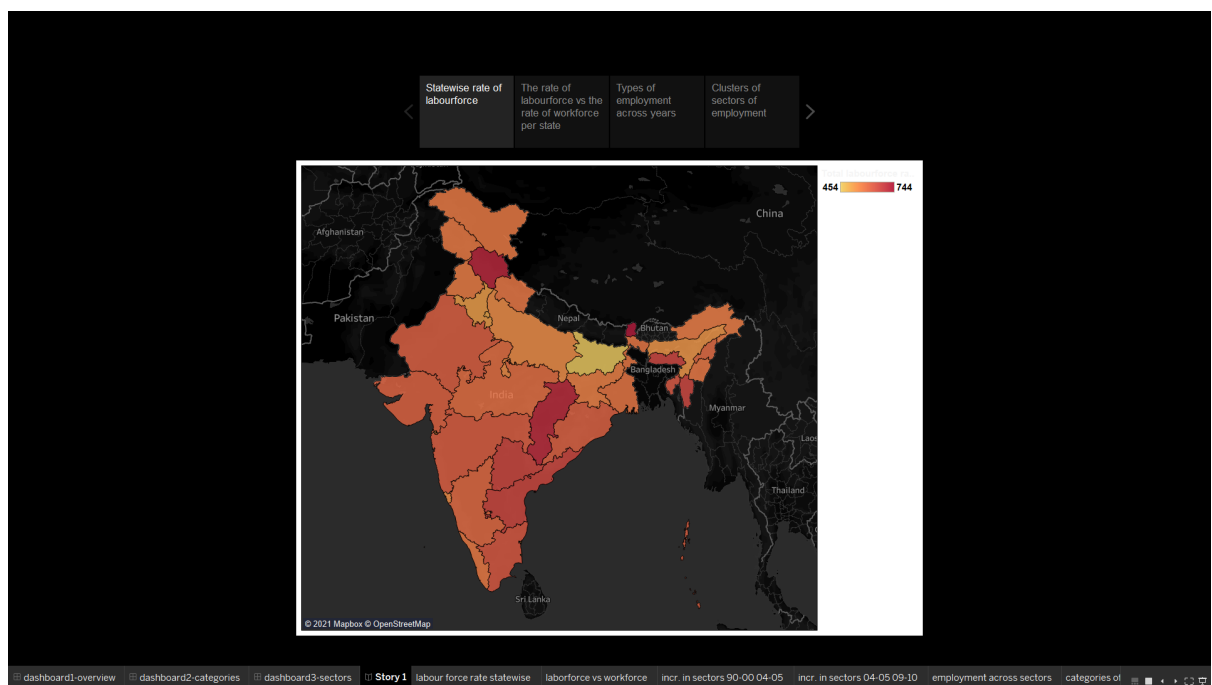
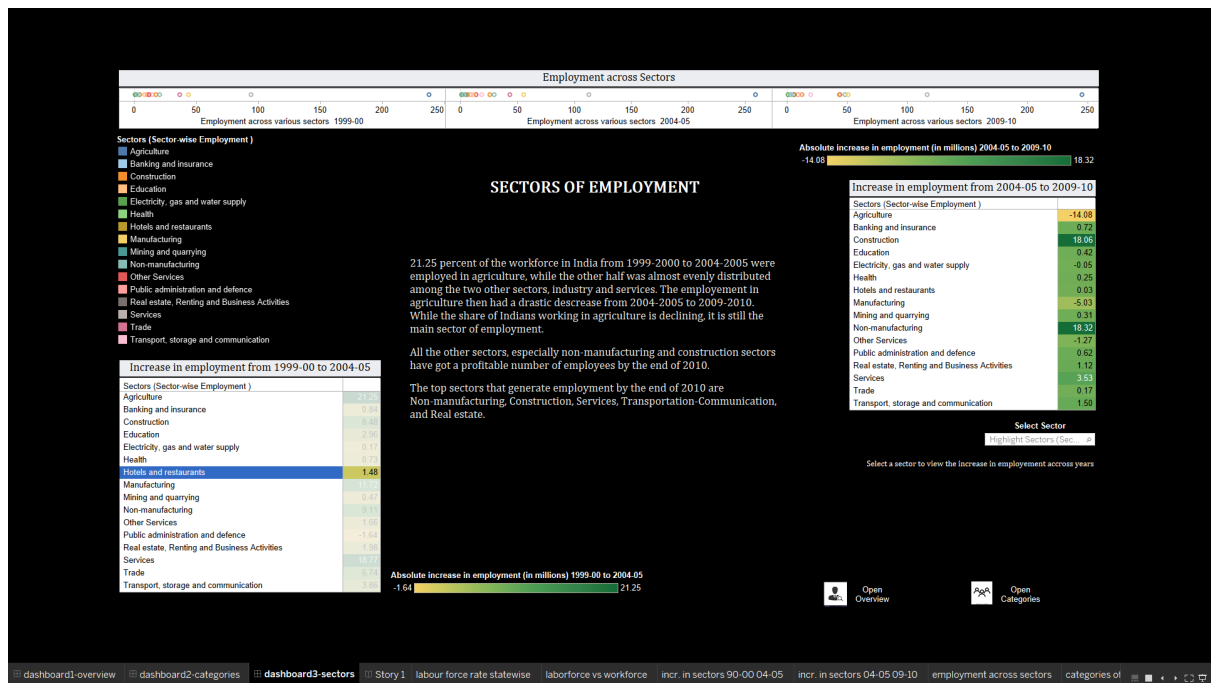
1. Any laptop/desktop

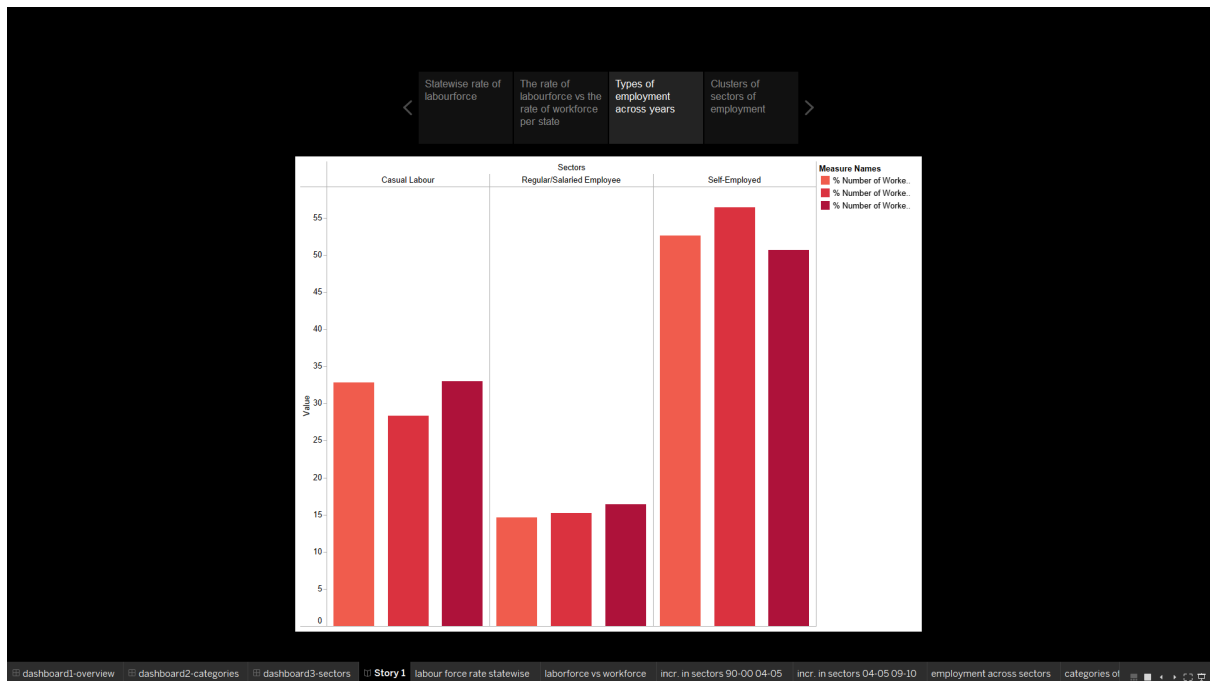
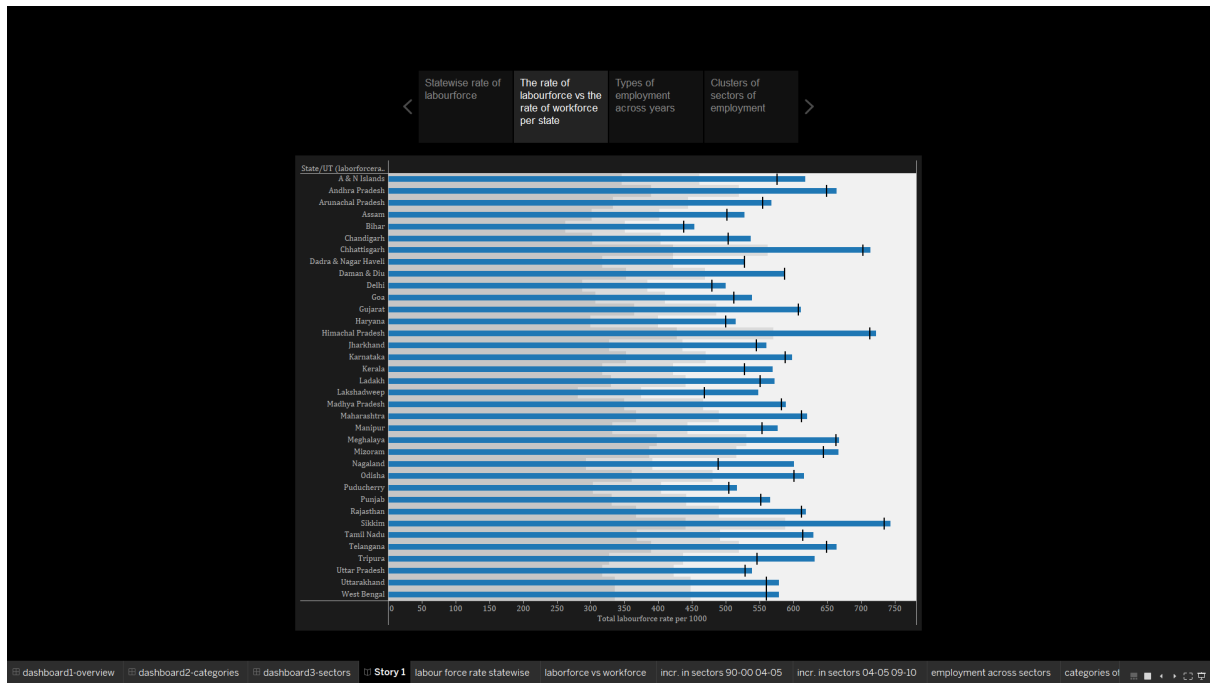
EXPERIMENTAL INVESTIGATIONS

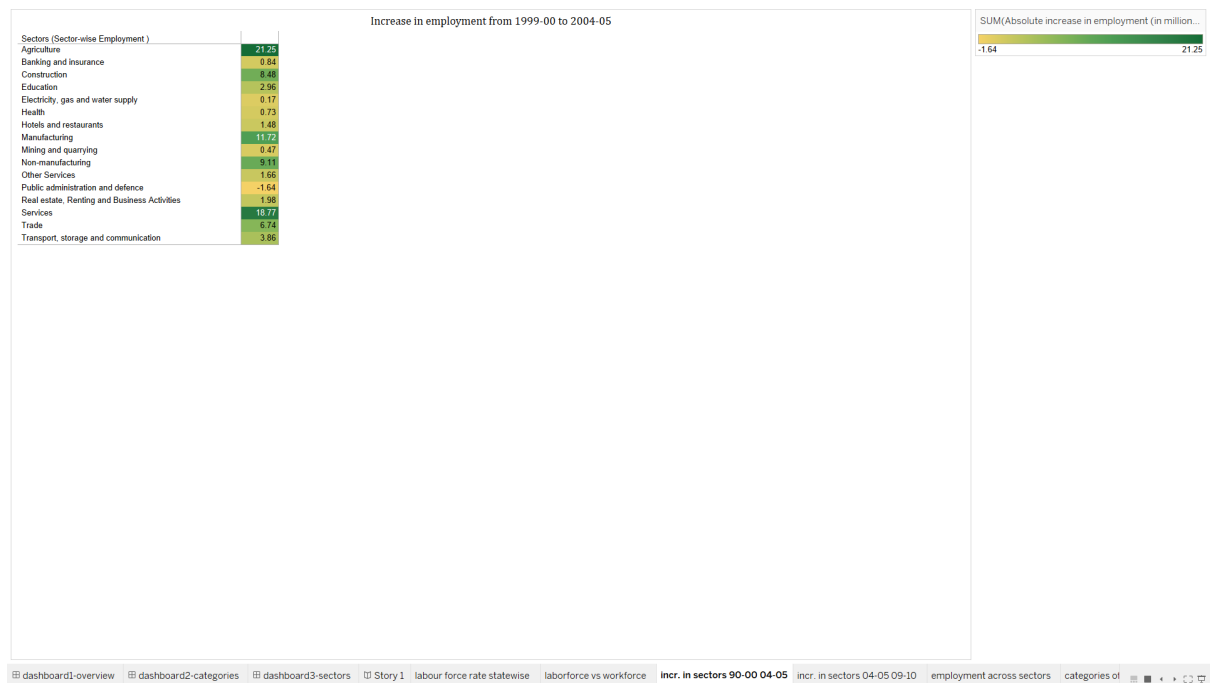
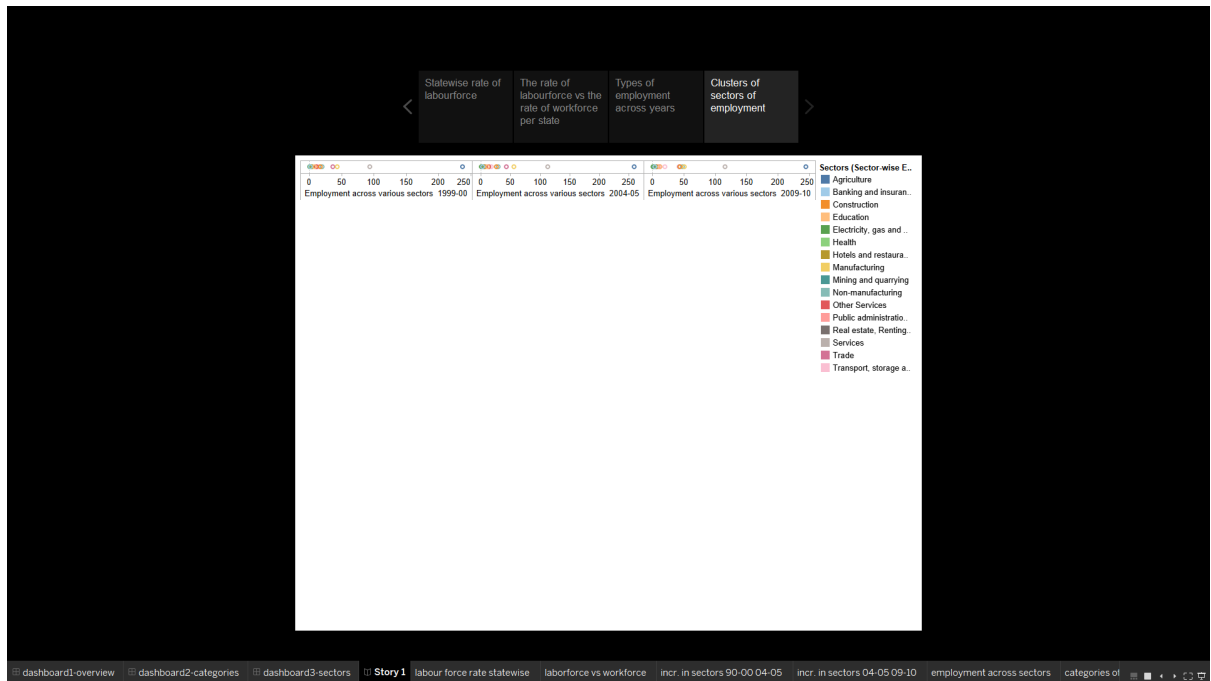
- How are the labor force and workforce related to each other?
- Which state has the highest and lowest labor force?
- What are the three categories of employment and how are they different from each other?
- Which category has the highest employment and which has the lowest?
- How is each state coming up with different employment types?
- What sectors are the part of employment?
- How is each sector of employment different from the other?
- What is the increase in employment in each sector from 1999-00 to 2004-05?
- What is the increase in employment in each sector from 2004-05 to 2009-10?
- Dashboard for each sub-topic
- Story hitting the main points to focus on.

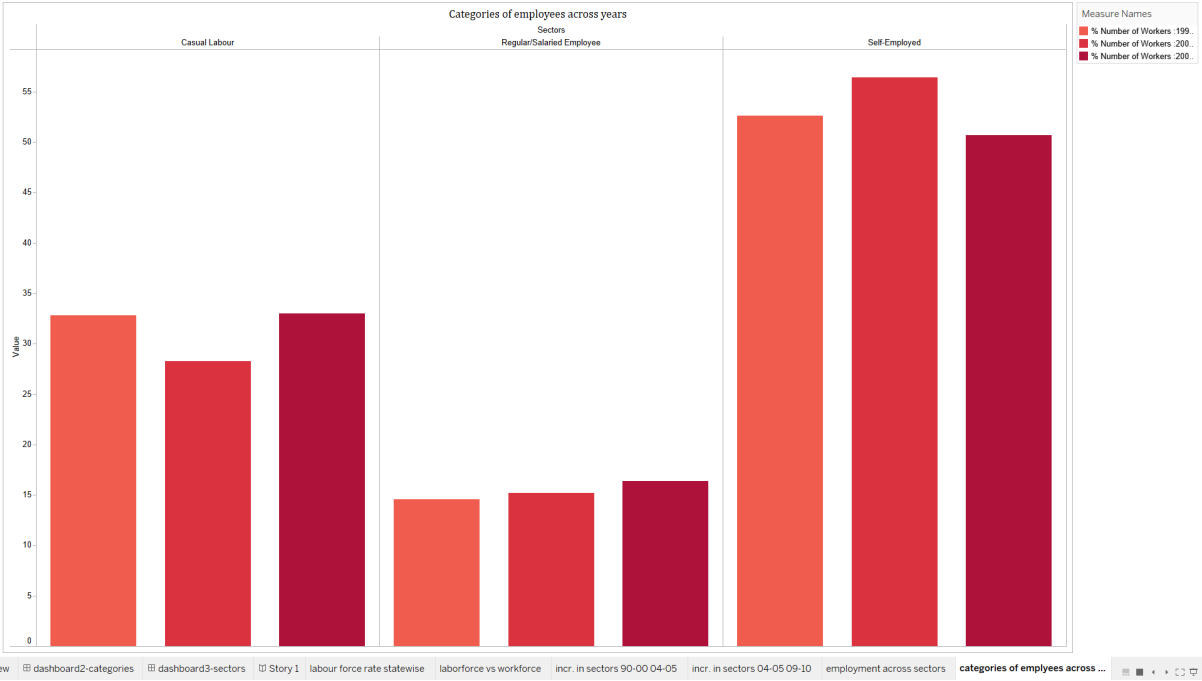
RESULT

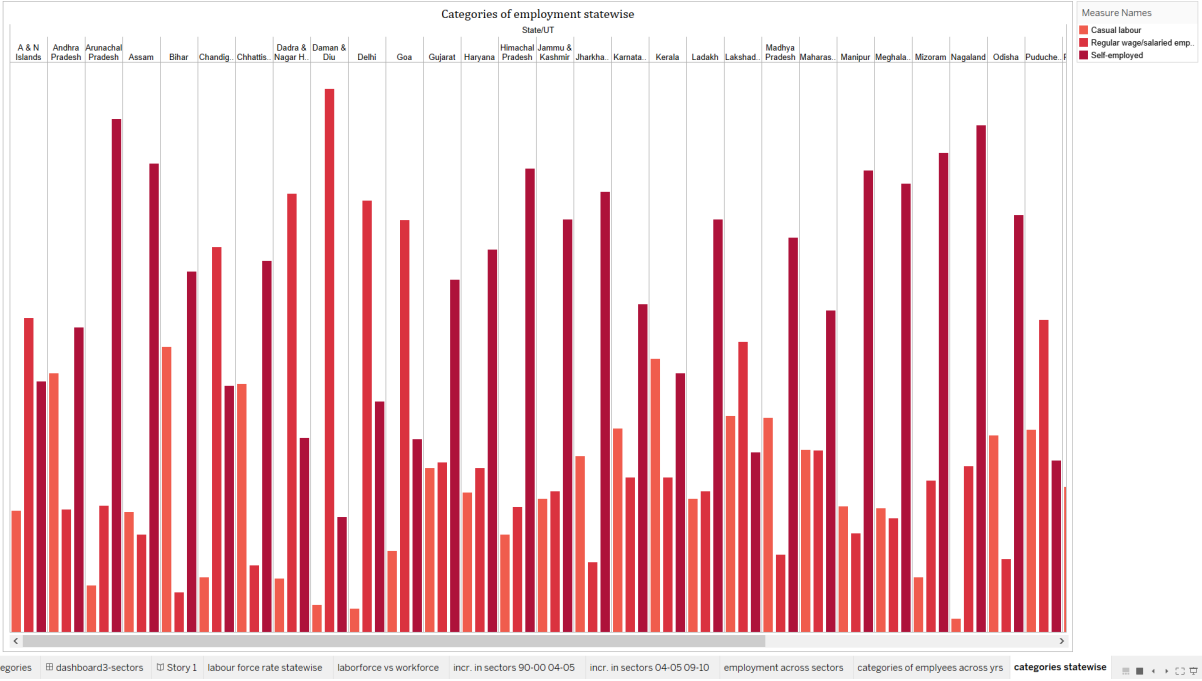












CONCLUSION

All these visualizations will be helpful for the prediction of the population employed and will give a detailed summary on the situation of employment in the country through previous trends.

BIBLIOGRAPHY

<https://elearning.tableau.com/series/analyst>

<https://public.tableau.com/profile/nontharatt.jaryaharn#!/vizhome/TowardsBetterClimate-DeloittesEMEAIronVizGrandFinale/TowardsBetterClimate>

PROJECT LINKS

Tableau public link -

https://public.tableau.com/profile/sanjana5828#!/vizhome/Employment_16197650711630/dashboard1-overview

Video drive link -

<https://drive.google.com/file/d/1uYx7v8u9dcOPJaOLQRNNFLdeJc-JLbdR/view?usp=sharing>

