GDP Analysis-
Assignment

Presentation Outlines

❑ Project Goal

❑ Data Cleaning and Manipulation

❑ Problem in Project

❑ Analysis Result & Graph

❑ Hypothesis for the observations from the data

Project GOAL

❑ The overall goal of this project is to help the Government on areas that will foster economic development for their respective states. Since the most common measure of economic development is the GDP, you will analyse the GDP of the various states of India and suggest ways to improve it.

❑ GDP can be broadly divided into goods and services produced by three sectors: the primary sector (agriculture), the secondary sector (industry), and the tertiary sector (services).

Data Cleaning and Manipulation

Possible data inconsistencies:

1. Duplicate values

2. NAN values in the columns

3. NAN values in the rows

Other Issues:

1. In Two Different DataSet States Spelling Mistake
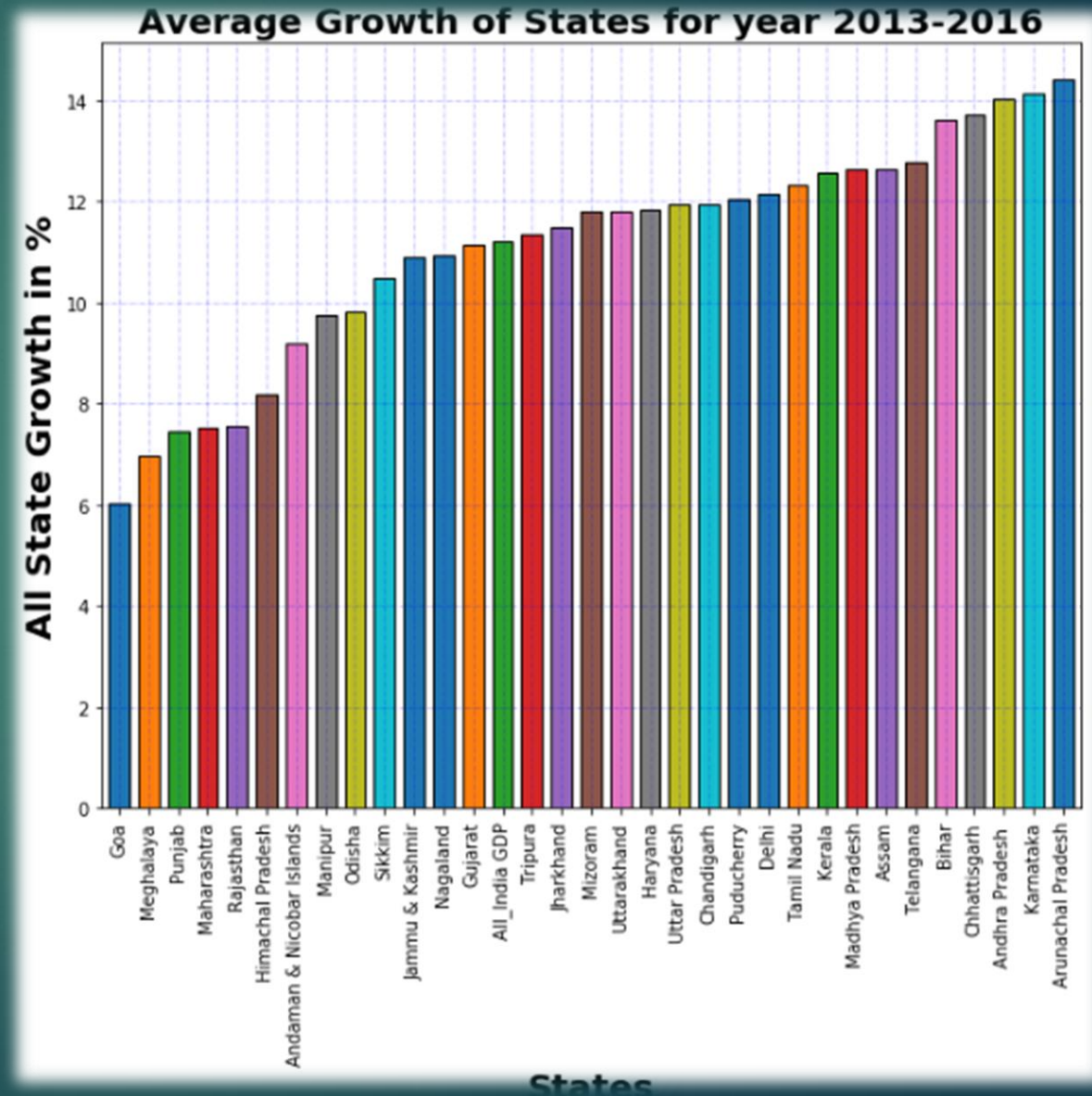
Part-I: GDP Analysis of the Indian States

Part I-A:

▶ Q: 1 Average growth of states for the duration 2013-14, 2014-15 and 2015-16

▶ **Growing Consistently Fast State :**
   1) Arunachal Pradesh,
   2) Karnataka,
   3) Andhra Pradesh,
   4) Chhattisgarh,
   5)Bihar

▶ **Most Struggling states State:**
   1) Goa
   2) Meghalaya,
   3) Punjab,
   4) Maharashtra,
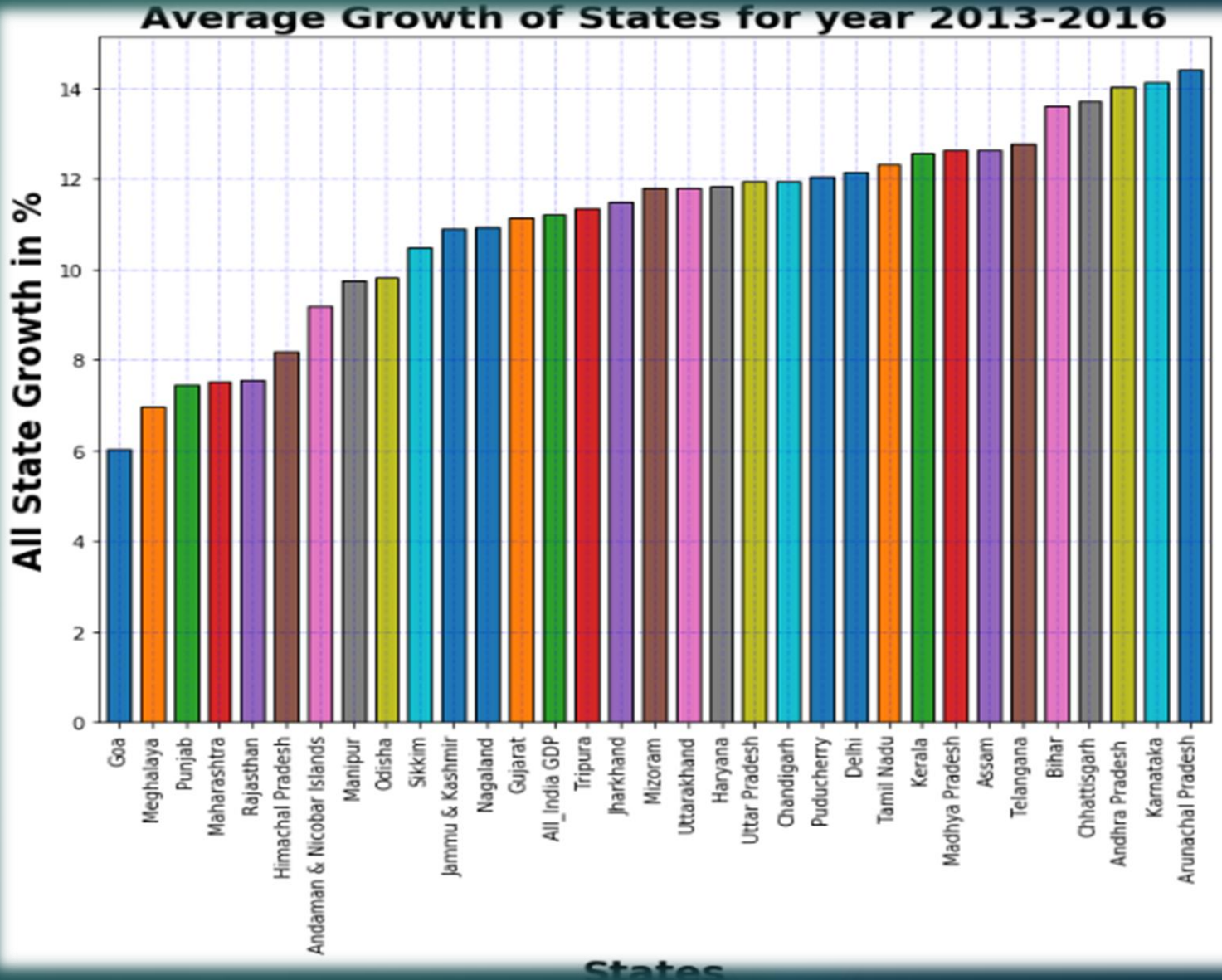   5) Rajasthan

Average Growth of States for year 2013-2016

Part I-A:

▶ Q: 1(B).Average growth rate of My home state, and compare to the national average over this duration

A : For My Home state average

growth is : **(Gujarat-11.126667)**
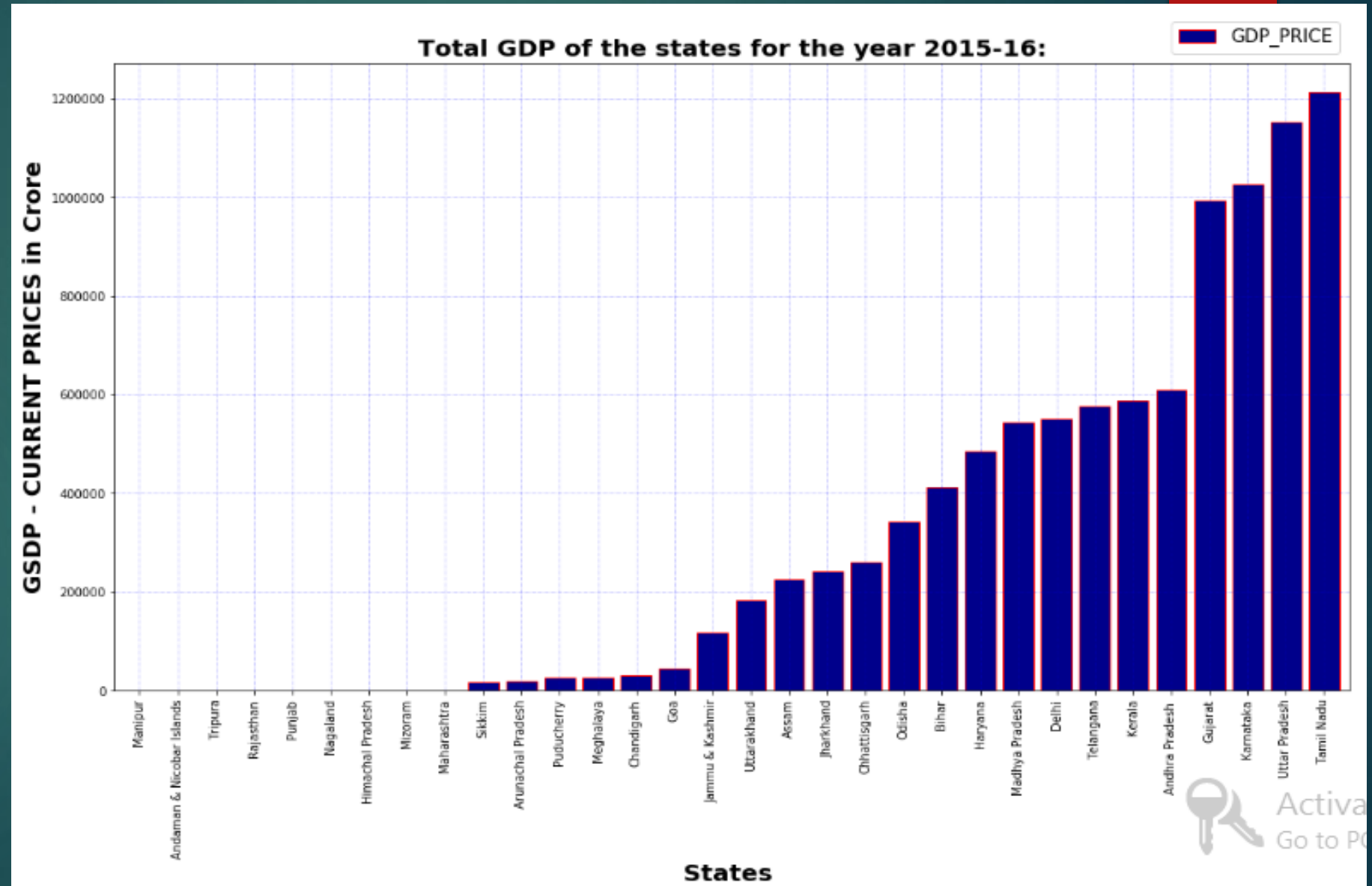
Compare to all india gdp which

is (11.20333).

Average Growth of States for year 2013-2016

Part I-A:

- Total GDP of the states for the year 2015-16

Top 5 States :

1) TmilNadu,

2) Uttar Pradesh

3) Karnataka,

4) Gujarat,

5) Andhra Pradesh

Bottom 5 States :

1)Sikkim,

2)Arunachal pradesh,

3)Puducherry,

4) Meghalaya,

5) Chandigarh)

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector
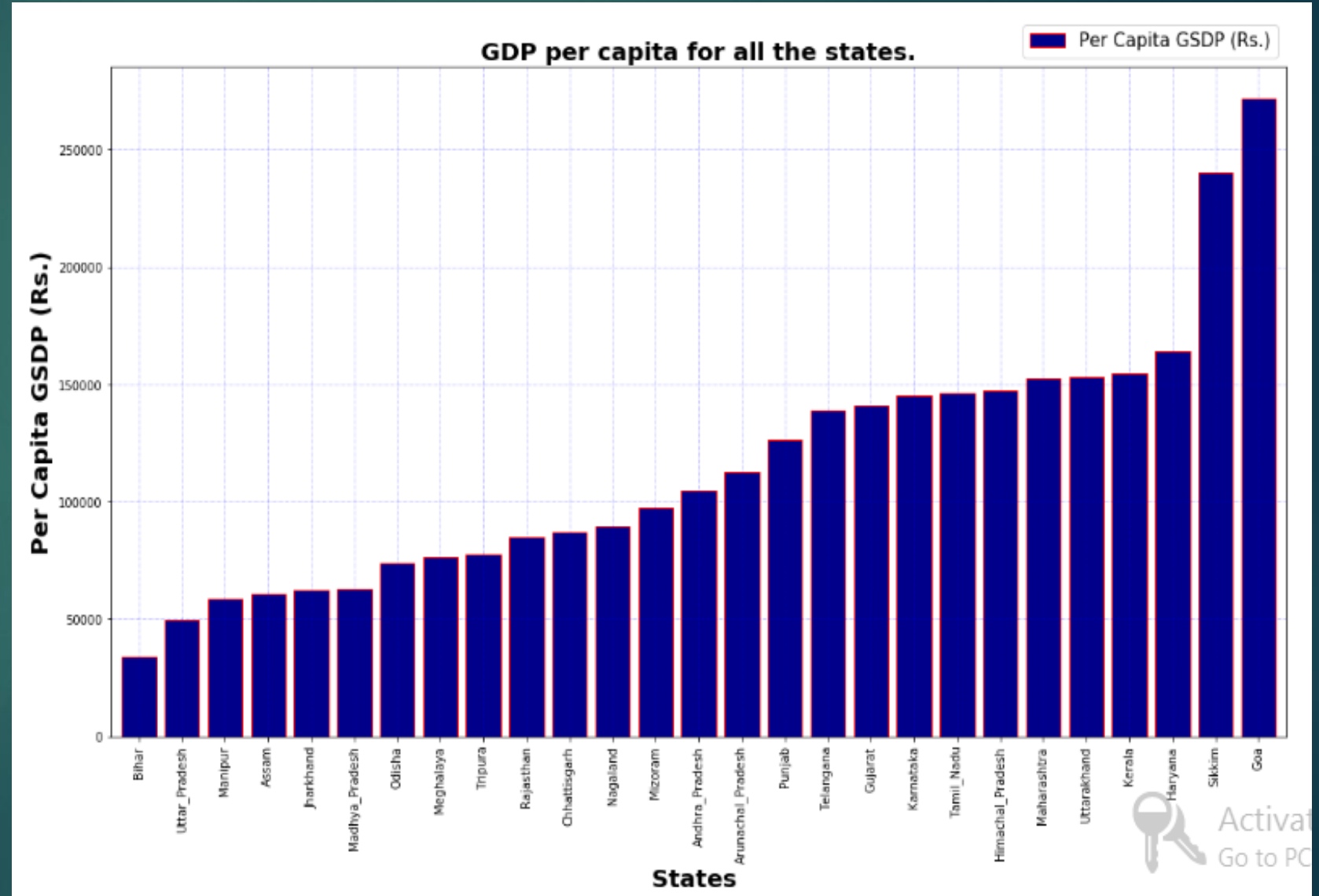
▶ **Part I-B:**

GDP per capita for all the states.

Top 5 States :

    1) Uttarakhand

    2) Kerela,

    3) Haryana,

    4) Sikkim,

    5) Goa

Bottom 5 States :

    1)Bihar

    2) Uttar_Pradesh

    3) Manipur

    4) Assam,

    5) Jharkhand

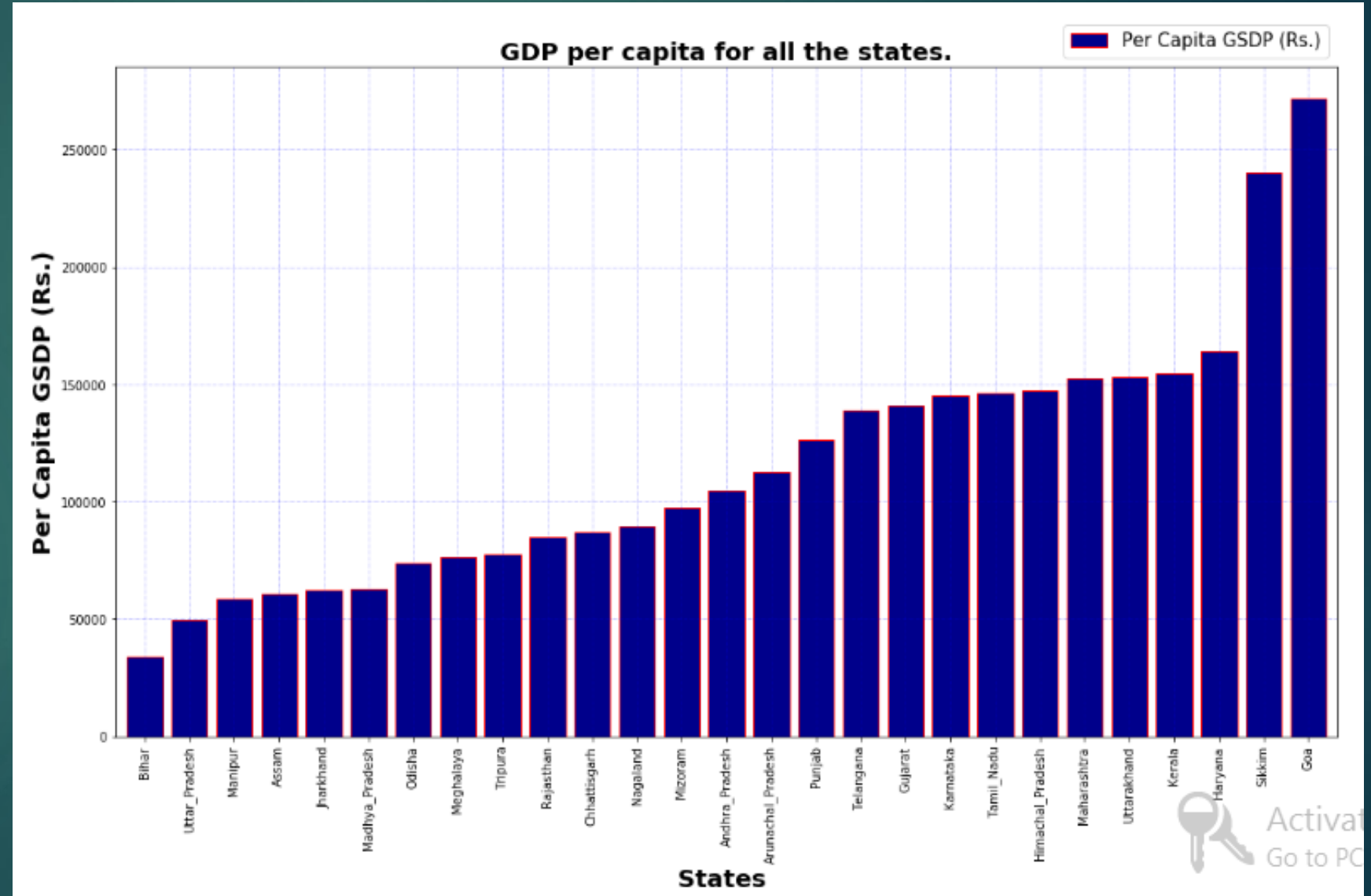GDP per capita for all the states.

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

Ratio of the highest per capita GDP to the lowest per capita GDP is : 8.005

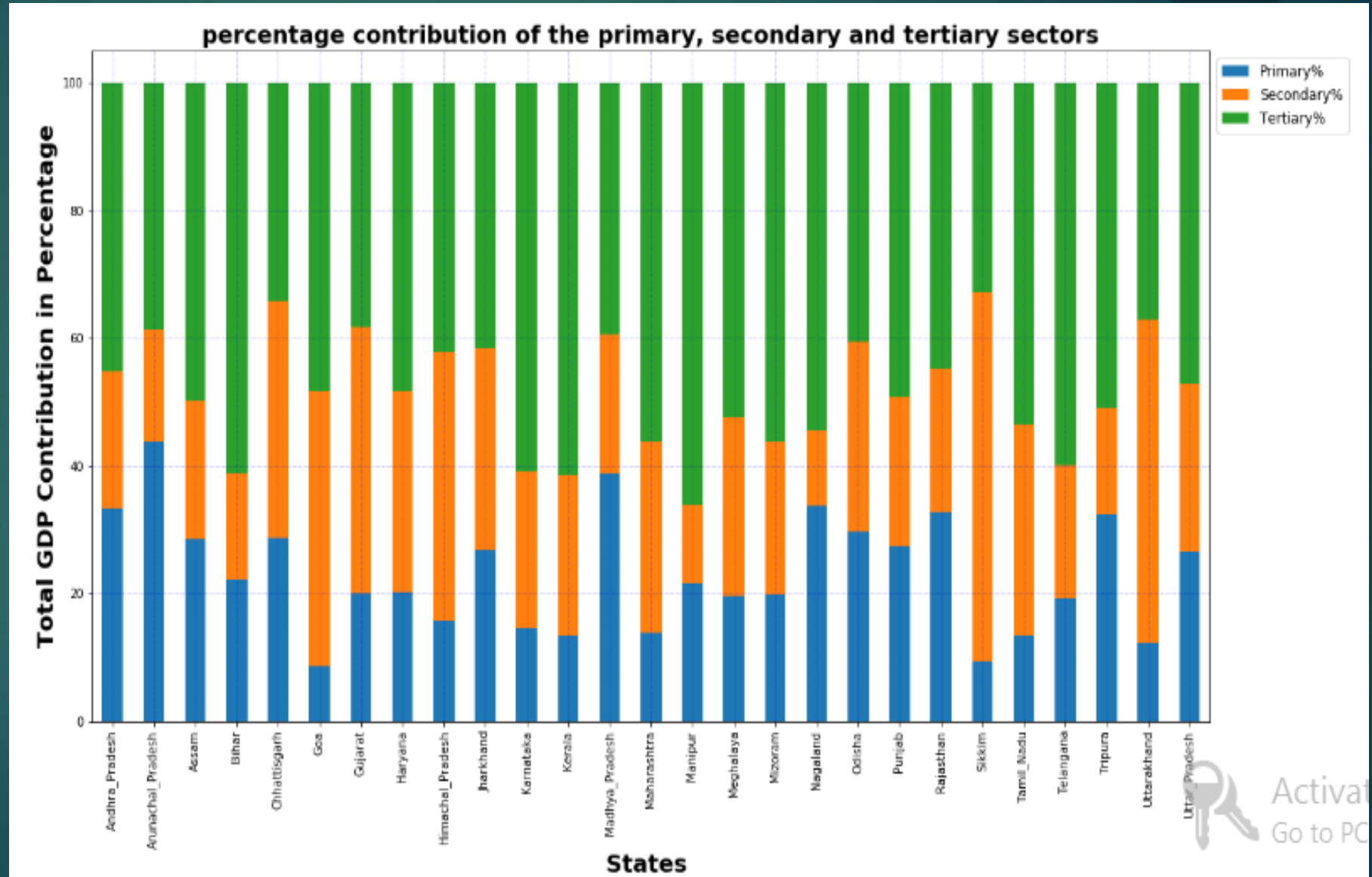# Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

percentage contribution of the primary, secondary and tertiary sectors

1) Arunachal_Pradesh has the Highest investing in PrimarySector(Agriculature)

2) Sikkim Has Contribute there Gdp in Secondary Sector(Industry)

3) Karnataka & Kerala Has contribute their Total GDP on Teritary Sector(Services)

percentage contribution of the primary, secondary and tertiary sectors

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

Groups based on the GDP per capita:

As you can see All States are now hase a C1,C2,C3,C4 Ctegory

1) C1 Belongs to 0 To 65187.0

2) C2 Belongs to 65187.0 To 104977.0

3) C3 Belongs to 104977.0 To 153246.2

4) C4 Belongs to 153246.2 To 271793.0

C1 has the Highest Per capita GDP and C4, the lowest Per capita GDP

Kerala	154778.0	C1
Haryana	164077.0	C1
Sikkim	240274.0	C1
Goa	271793.0	C1

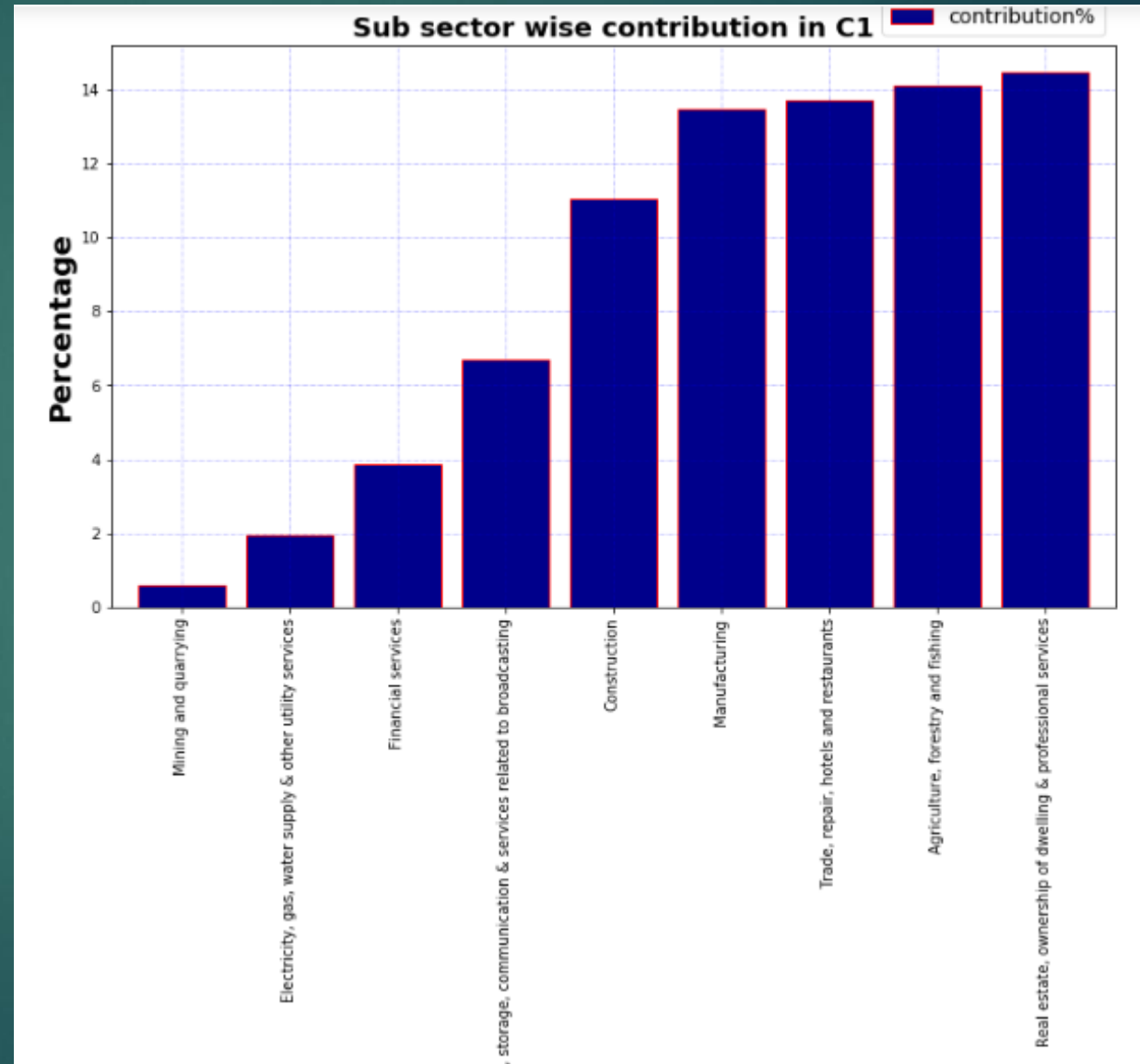|		
Arunachal_Pradesh	112718.0	C2
Punjab	126606.0	C2
Telangana	139035.0	C2
Gujarat	141263.0	C2
Karnataka	145141.0	C2
Tamil_Nadu	146503.0	C2
Himachal_Pradesh	147330.0	C2
Maharashtra	152853.0	C2
Uttarakhand	153076.0	C2

Odisha	73979.0	C3
Meghalaya	76228.0	C3
Tripura	77358.0	C3
Rajasthan	84837.0	C3
Chhattisgarh	86860.0	C3
Nagaland	89607.0	C3
Mizoram	97687.0	C3
Andhra_Pradesh	104977.0	C3

	Per Capita GSDP (Rs.)	Tags
Bihar	33954.0	C4
Uttar_Pradesh	49450.0	C4
Manipur	58442.0	C4
Assam	60621.0	C4
Jharkhand	62091.0	C4
Madhya_Pradesh	62989.0	C4

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

C1 State has contribute their 80% GDP in the Sub-Sector of :

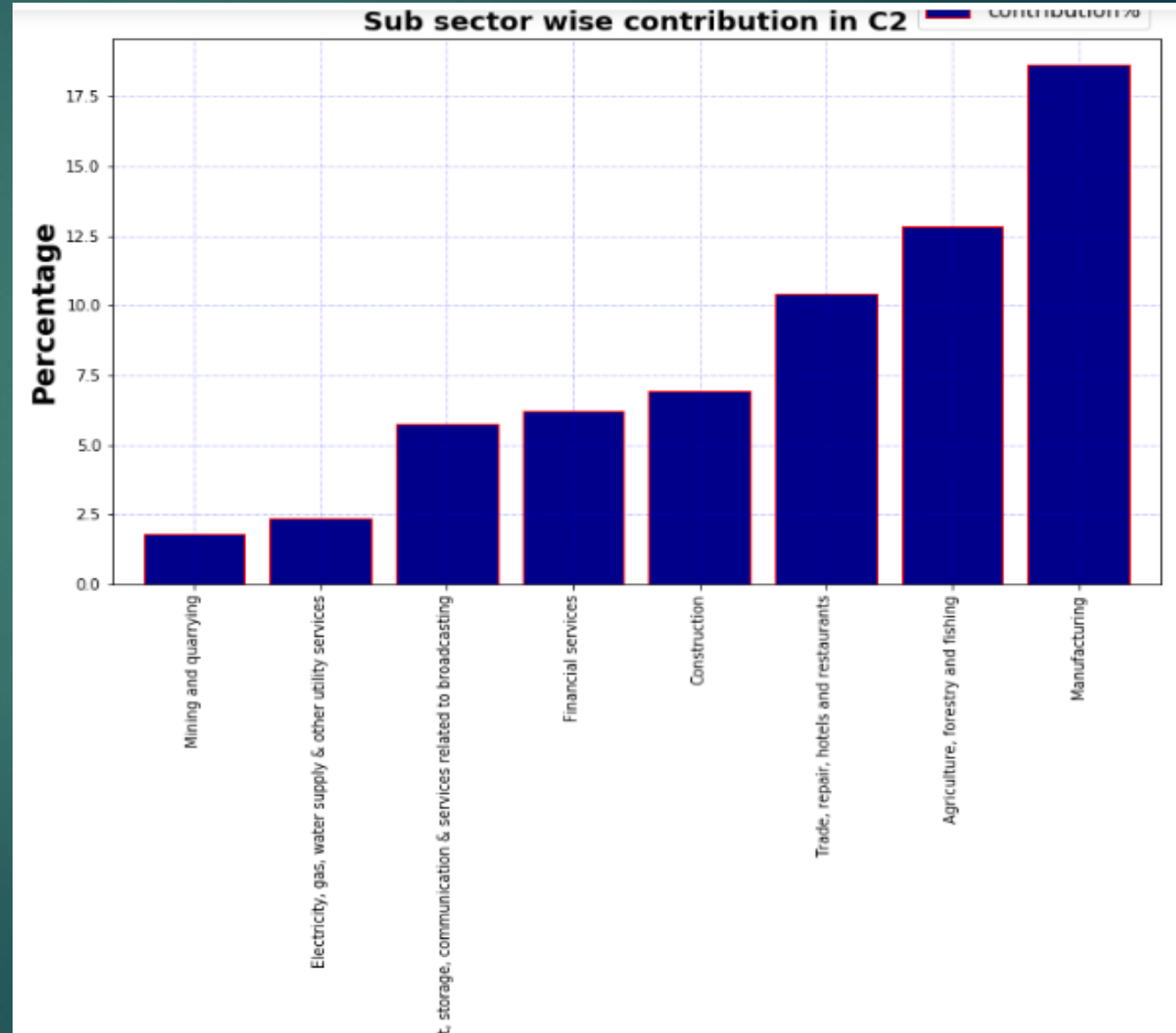| Item |
|---|
| Agriculture, forestry and fishing |
| Mining and quarrying |
| Manufacturing |
| Electricity, gas, water supply & other utility services |
| Construction |
| Trade, repair, hotels and restaurants |
| Transport, storage, communication & services related to broadcasting |
| Financial services |
| Real estate, ownership of dwelling & professional services |

Sub sector wise contribution in C1 — contribution%

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

C2 State has contribute their 80% GDP in the Sub-Sector of :

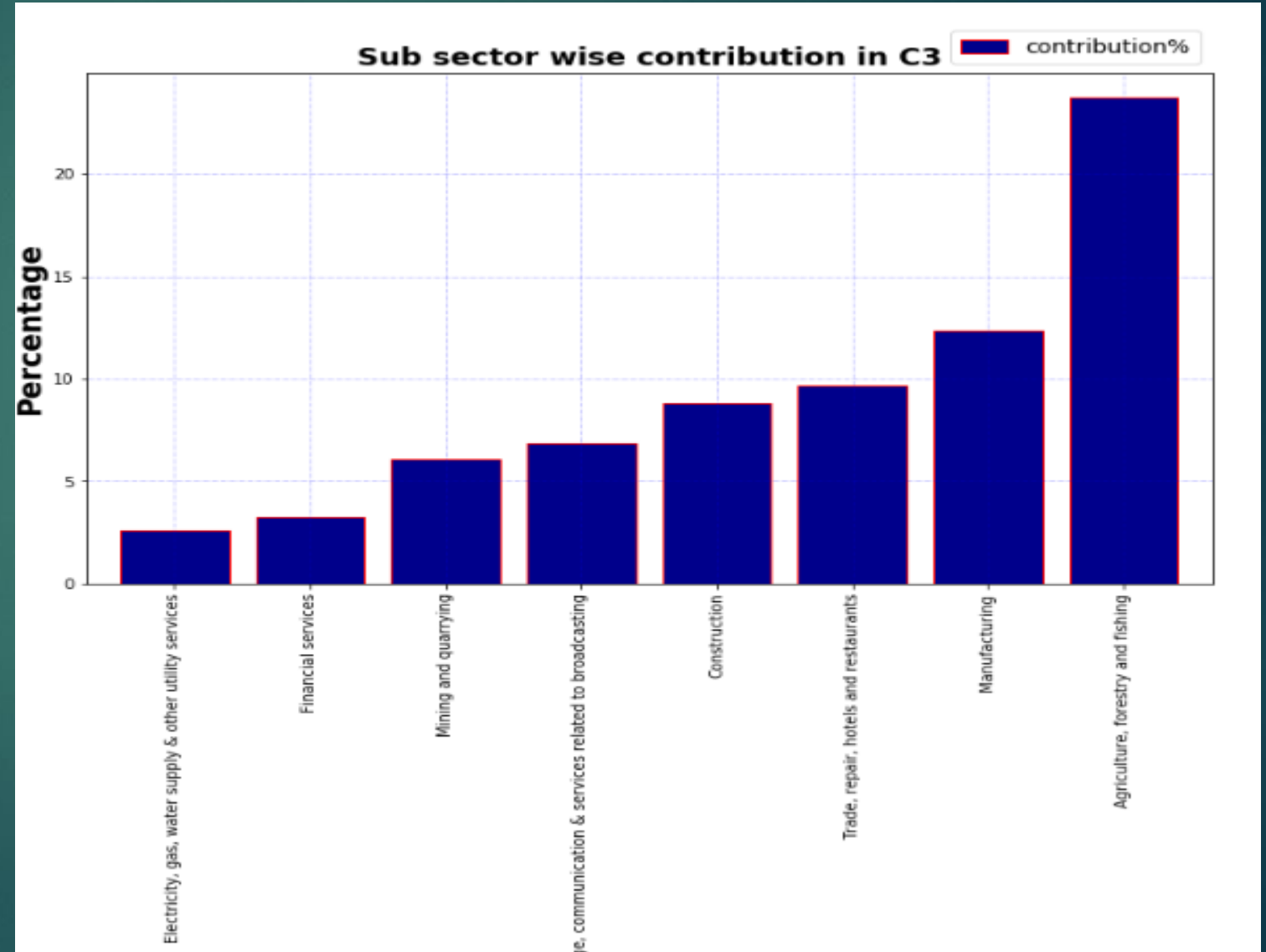| Item |
| --- |
| Agriculture, forestry and fishing |
| Mining and quarrying |
| Manufacturing |
| Electricity, gas, water supply & other utility services |
| Construction |
| Trade, repair, hotels and restaurants |
| Transport, storage, communication & services related to broadcasting |
| Financial services |

Sub sector wise contribution in C2

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

C3 State has contribute their 80% GDP in the Sub-Sector of ~~~~~~~~~~

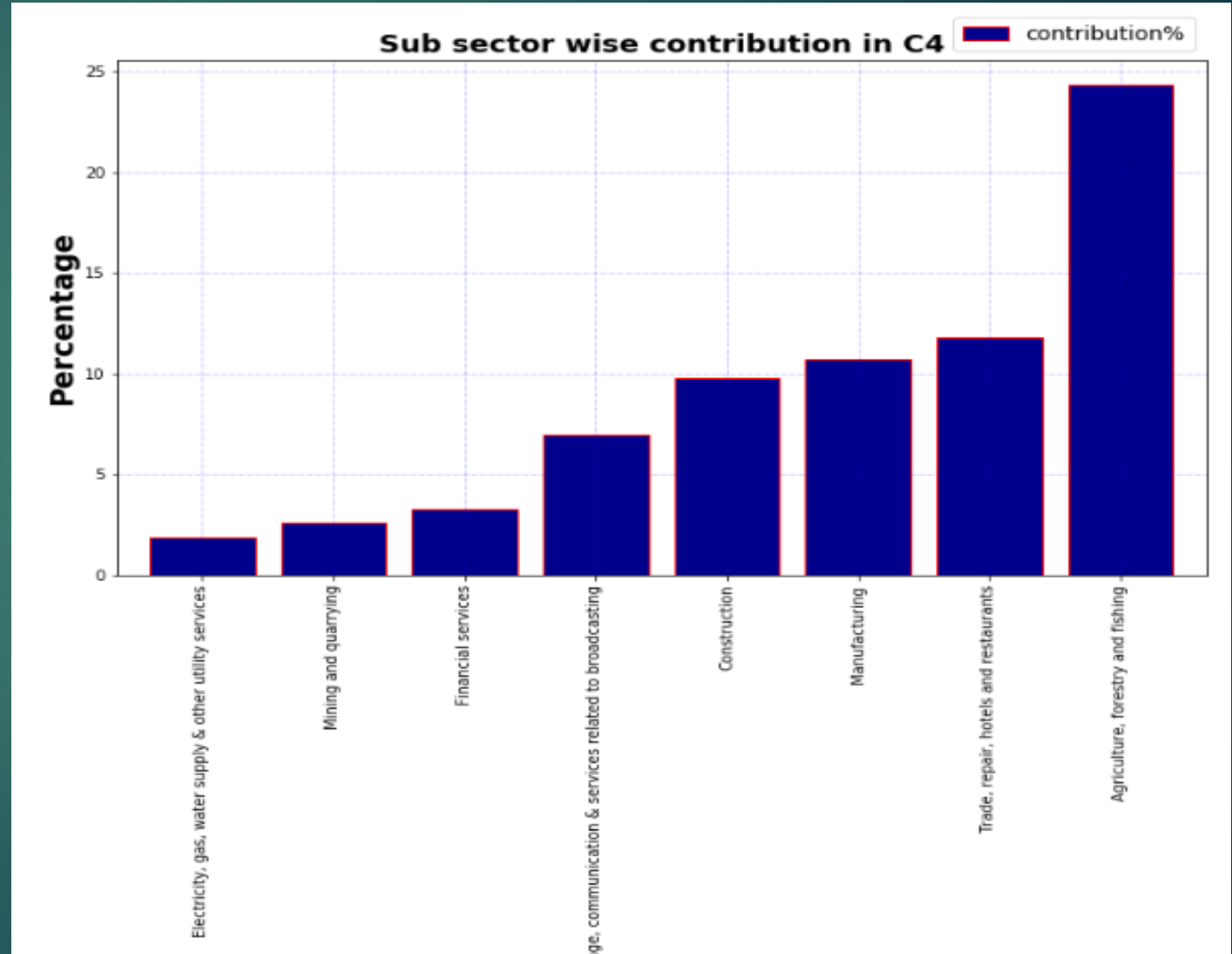| Item |
| --- |
| Agriculture, forestry and fishing |
| Mining and quarrying |
| Manufacturing |
| Electricity, gas, water supply & other utility services |
| Construction |
| Trade, repair, hotels and restaurants |
| Transport, storage, communication & services related to broadcasting |
| Financial services |

Sub sector wise contribution in C3

Distribution of GSDP three sectors: the primary sector,secondary sector and tertiary sector

▶ **Part I-B:**

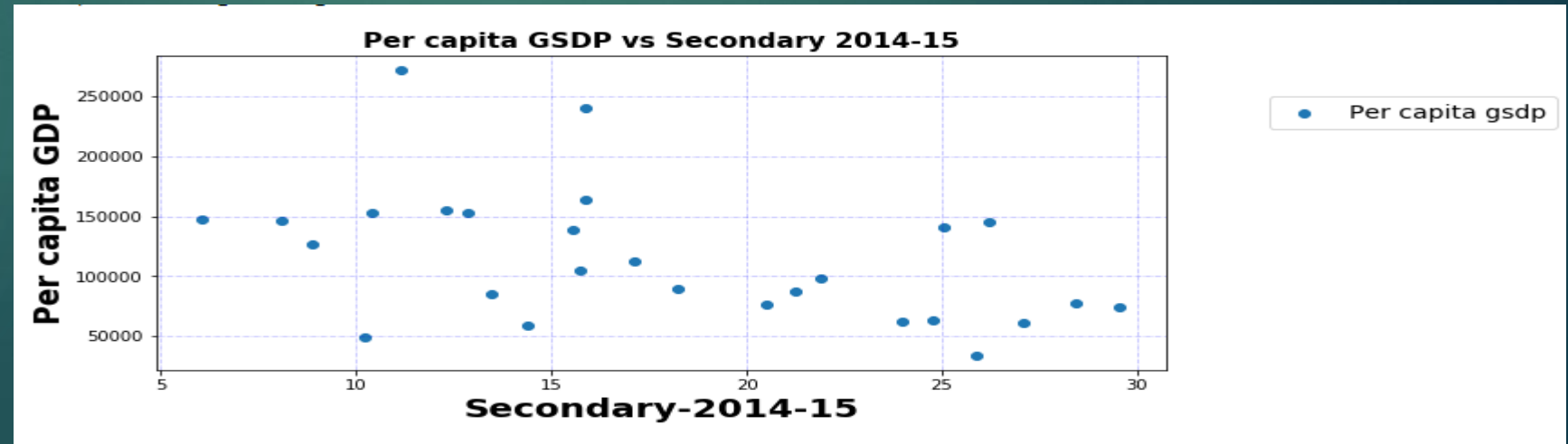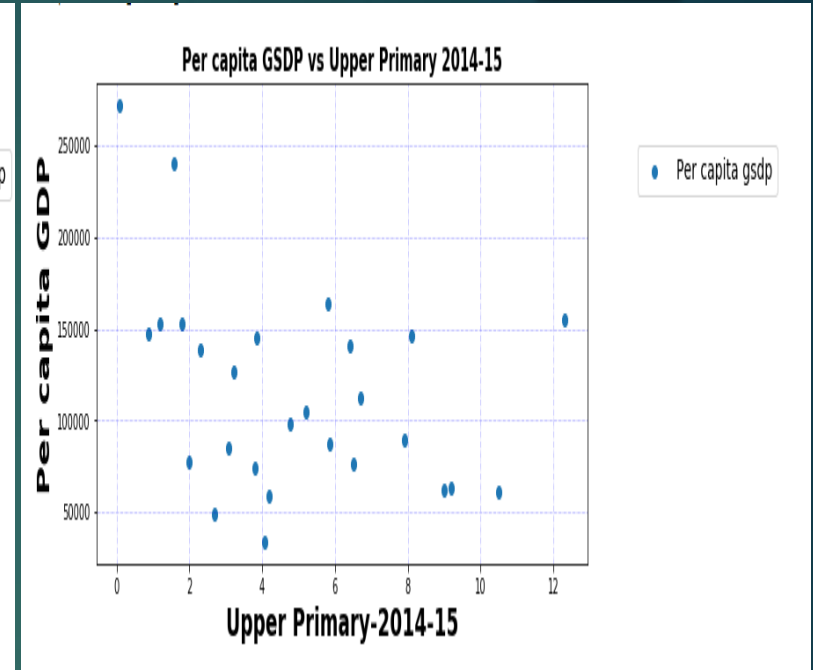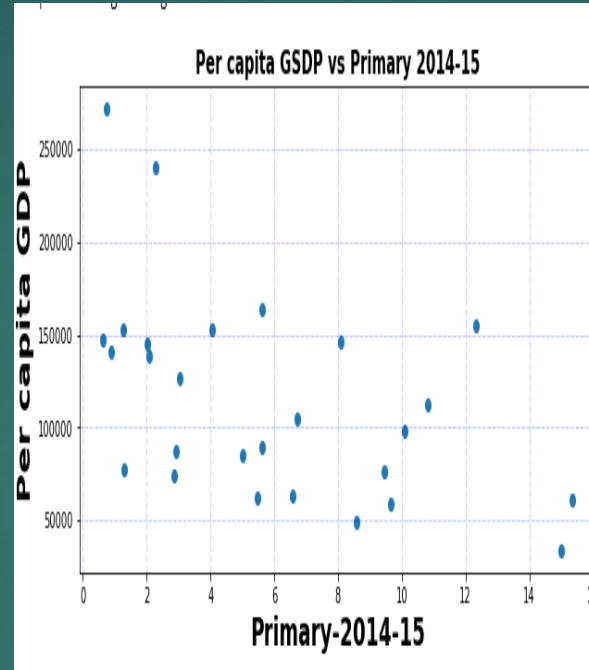**C4 State has contribute their 80% GDP in the Sub-Sector of :**

Item
Agriculture, forestry and fishing
Mining and quarrying
Manufacturing
Electricity, gas, water supply & other utility services
Construction
Trade, repair, hotels and restaurants
Transport, storage, communication & services related to broadcasting
Financial services

Sub sector wise contribution in C4

Part II-:

Dropout rates in education (primary, upper primary and secondary) for the year 2014-2015 for each state.

Hypothesis for the observations from the data.

1) From the Analysis of Drop Out Educatio Data set for year 2014-15 for the Category of   I can say that the highest drop out rates form   the primary school in the State of ASSAM & BIHAR has the highest compare to other States Based on the Per capita GDP

2) From the Analysis of Drop Out Educatio Data set for year 2014-15 for the Category of Upper Primary I can say that the highest drop out rates form   the primary school in the State of KERELA has the highest compare to other States Based on the Per   capita GDP

3) From the Analysis of Drop Out Educatio Data set for year 2014-15 for the Category of Secondary I can say that the highest drop out rates form the primary school in the State of CHHATISGARH,GUJARAT,has the highest compare to other States Based on the Per capita GDP