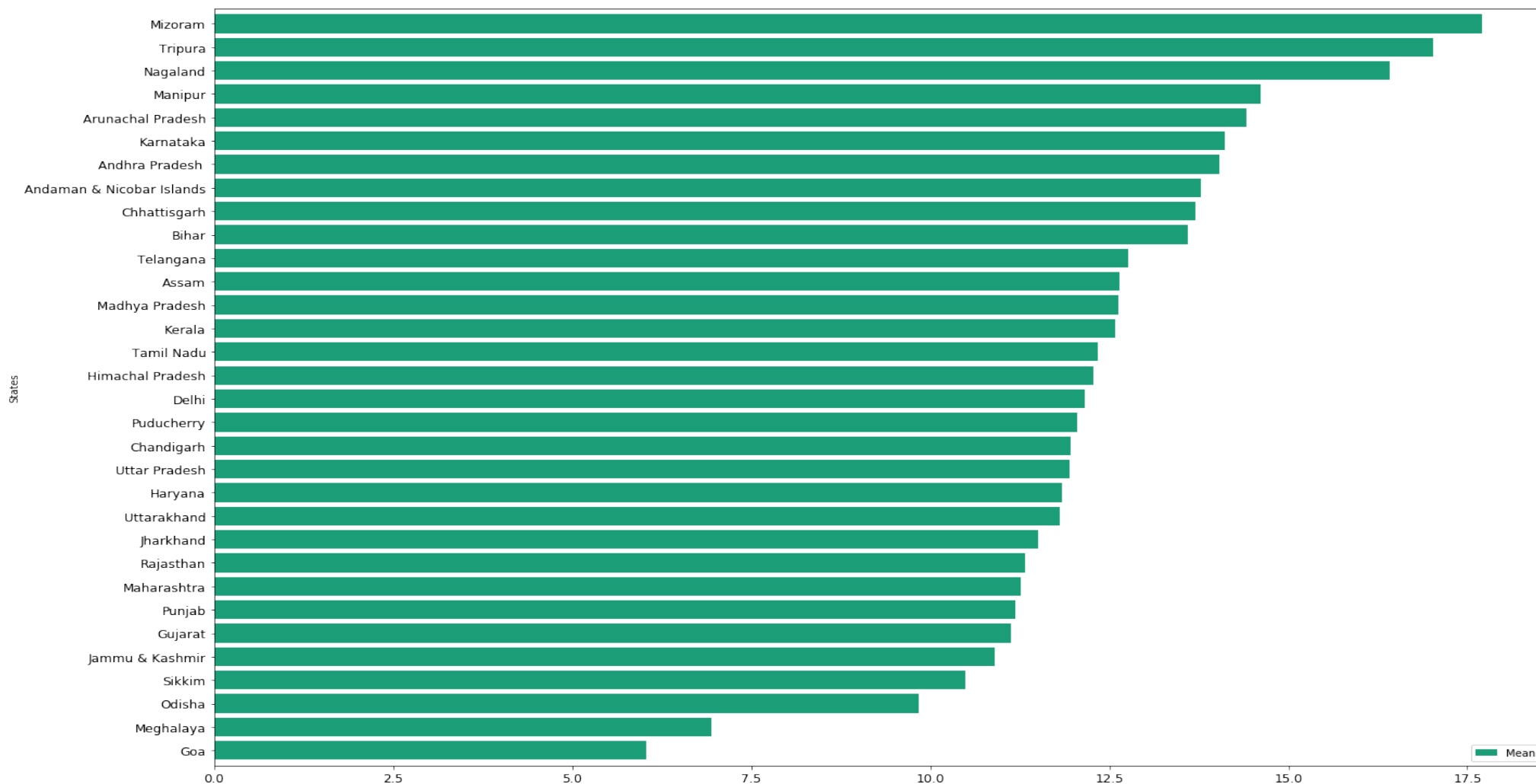
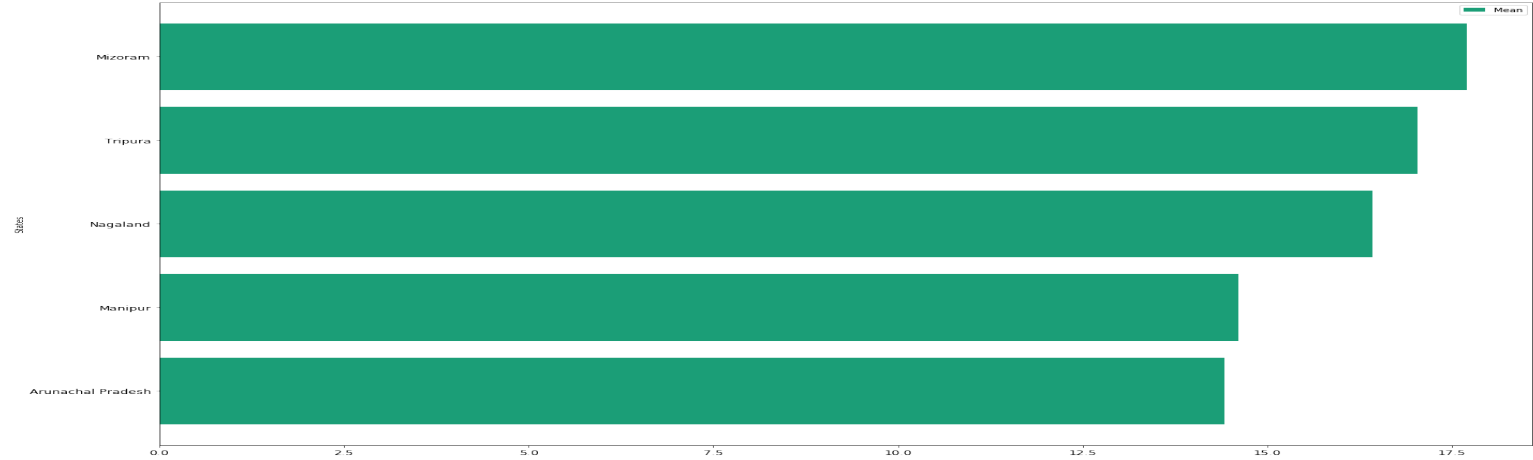


## Average '(% Growth over previous year)' of states for the duration 2013-14, 2014-15 and 2015-16

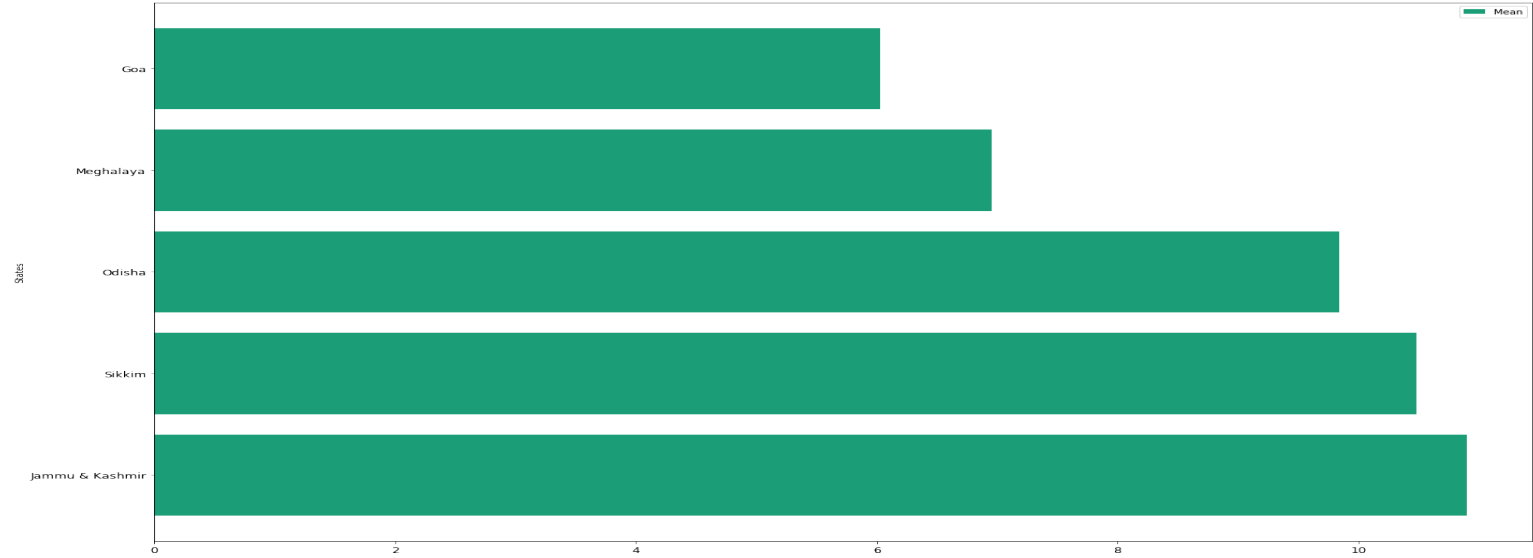


# Top 5 States have been growing consistently fast vs struggling



## Consistently fast

- 1. Mizoram - 17.7%
- 2. Tripura - 17.0%
- 3. Nagaland - 16.4%
- 4. Manipur - 14.6%
- 5. Arunachal Pradesh - 14.4%



## Struggling states

- 1. Goa - 6.0%
- 2. Meghalaya - 6.9%
- 3. Odisha - 9.8%
- 4. Sikkim - 10.48%
- 5. Jammu & Kashmir- 10.9%

**Curiosity exercise: What has been the average growth rate of your home state, and how does it compare to the national average over this duration?**

**Home State: Tamil Nadu has `1% Average Growth` compare with national average**

	Mean	All States Mean	Avg Growth
States			
Tamil Nadu	12.336667	12.246782	1.007339

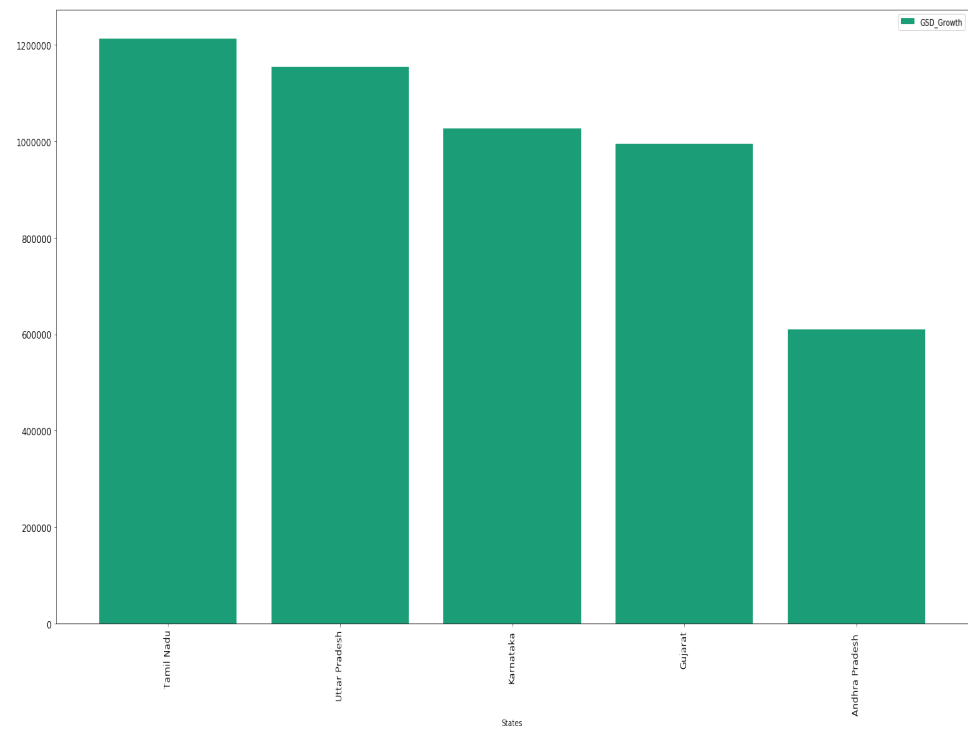
### **3.3 Find the ratio of the highest per capita GDP to the lowest per capita GDP.**

The Ratio of the highest per capita GDP to the lowest per capita GDP is [ 271793. ] : [ 33954. ] of 8%

# GDP of the states for the year 2015-16:

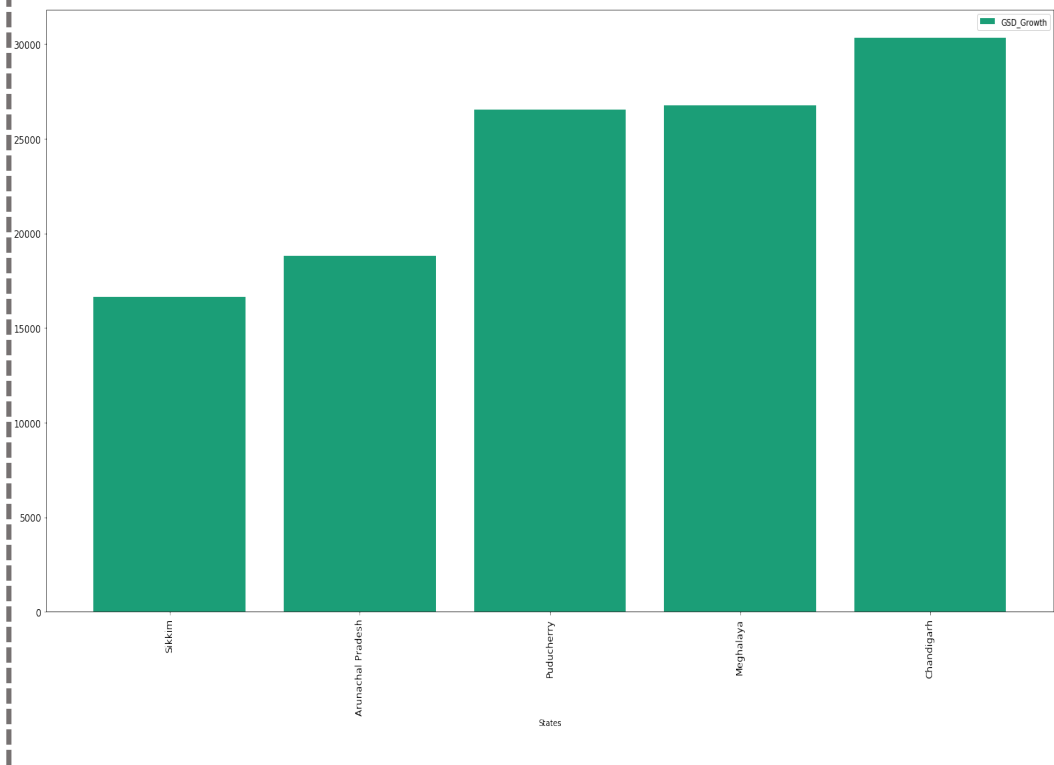
## Top 5 GDP

- 1. Tamil Nadu - 1,212,668.0
- 2. Uttar Pradesh - 1,153,795.0
- 3. Karnataka - 1,027,068.0
- 4. Gujarat - 994,316.0
- 5. Andhra Pradesh - 609,934.0



## Bottom 5 GDP

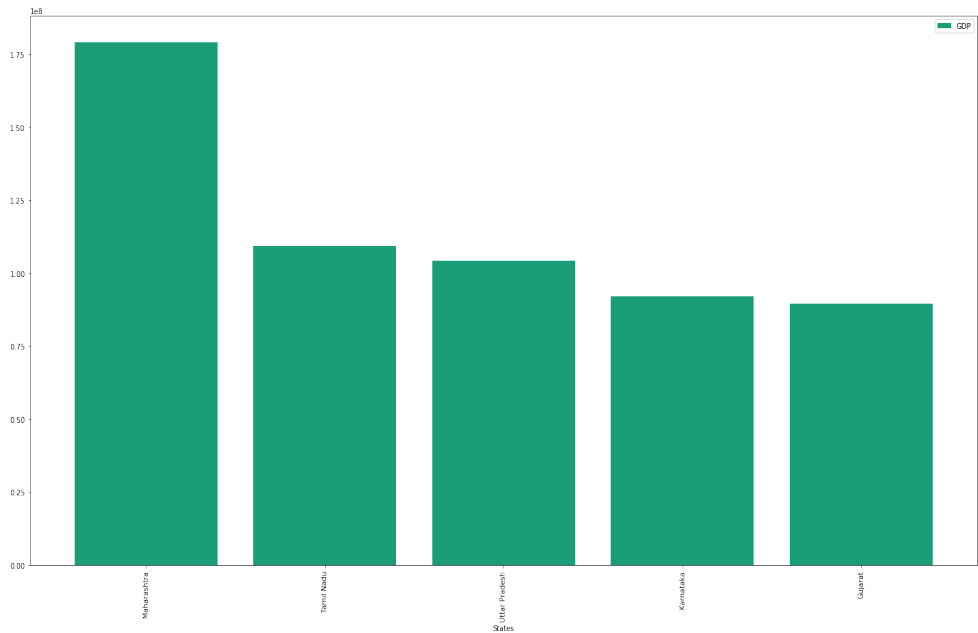
- 1. Sikkim - 16,637.0
- 2. Arunachal Pradesh - 18,784.0
- 3. Puducherry - 26,533.0
- 4. Meghalaya - 26,745.0
- 5. Chandigarh - 30,304.00



# GDP per capita for all the states (excluding Union Territories) the year 2015-16:

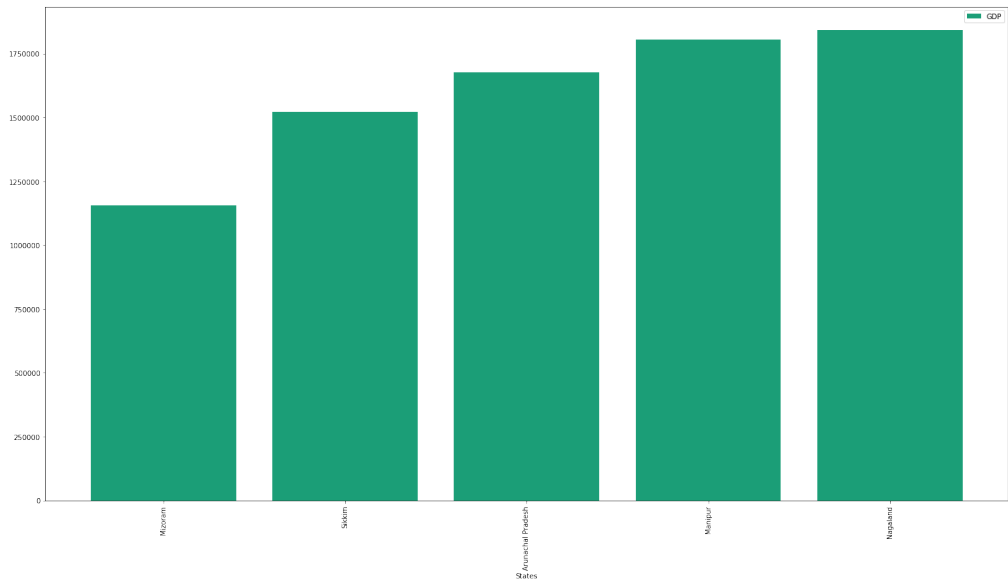
## Top 5 GDP

- 1. Maharashtra - 179,212,165.0
- 2. Tamil Nadu - 109,256,373.0
- 3. Uttar Pradesh – 104,337,115.0
- 4. Karnataka – 92,178,806.0
- 5. Gujarat – 89,502,727.0



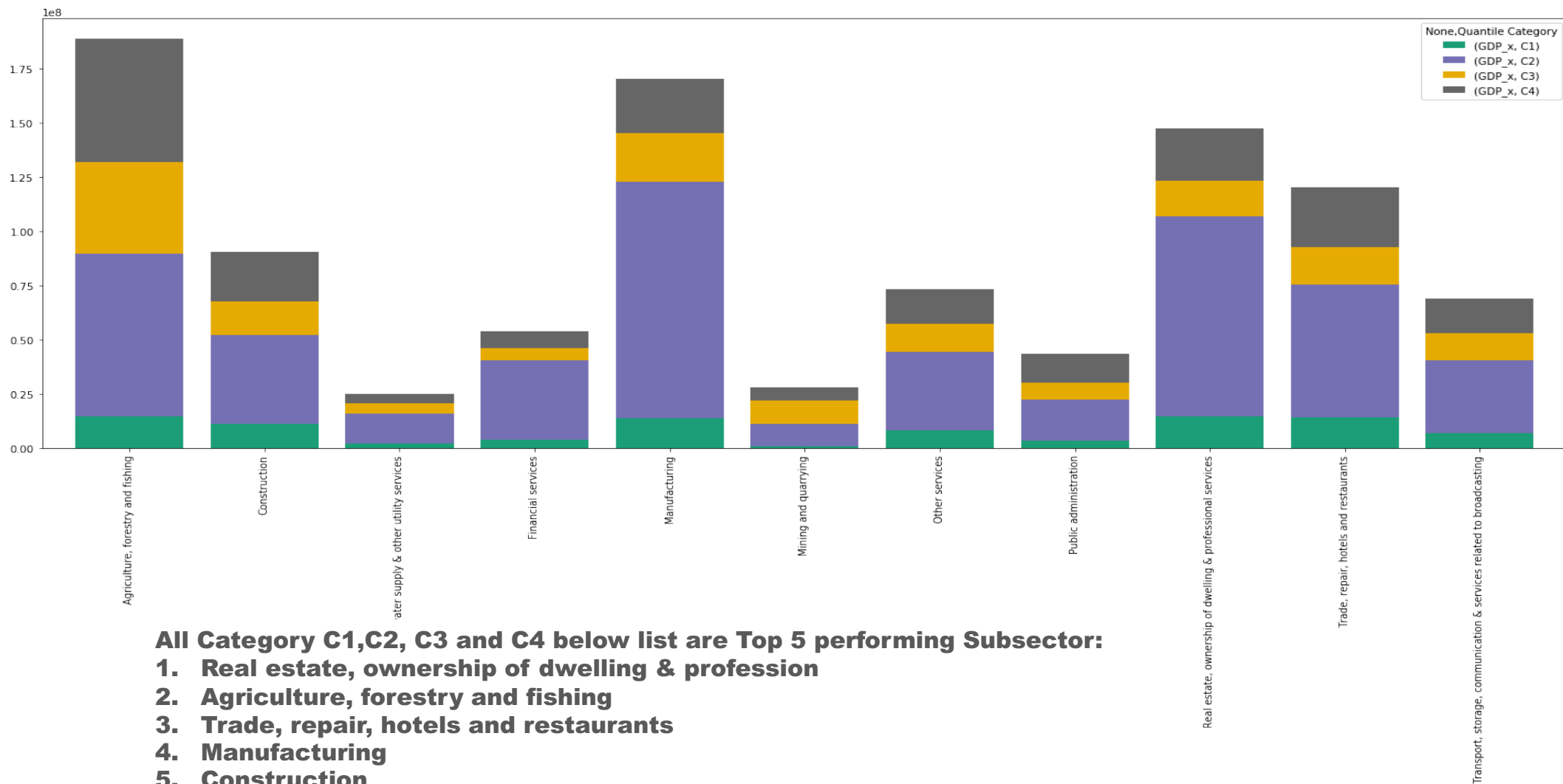
## Bottom 5 GDP

- 1. Mizoram - 1,155,933.0
- 2. Sikkim - 1,520,933.0
- 3. Arunachal Pradesh - 1,676,119.0
- 4. Manipur - 1,804,276.0
- 5. Nagaland - 1,841,424.0



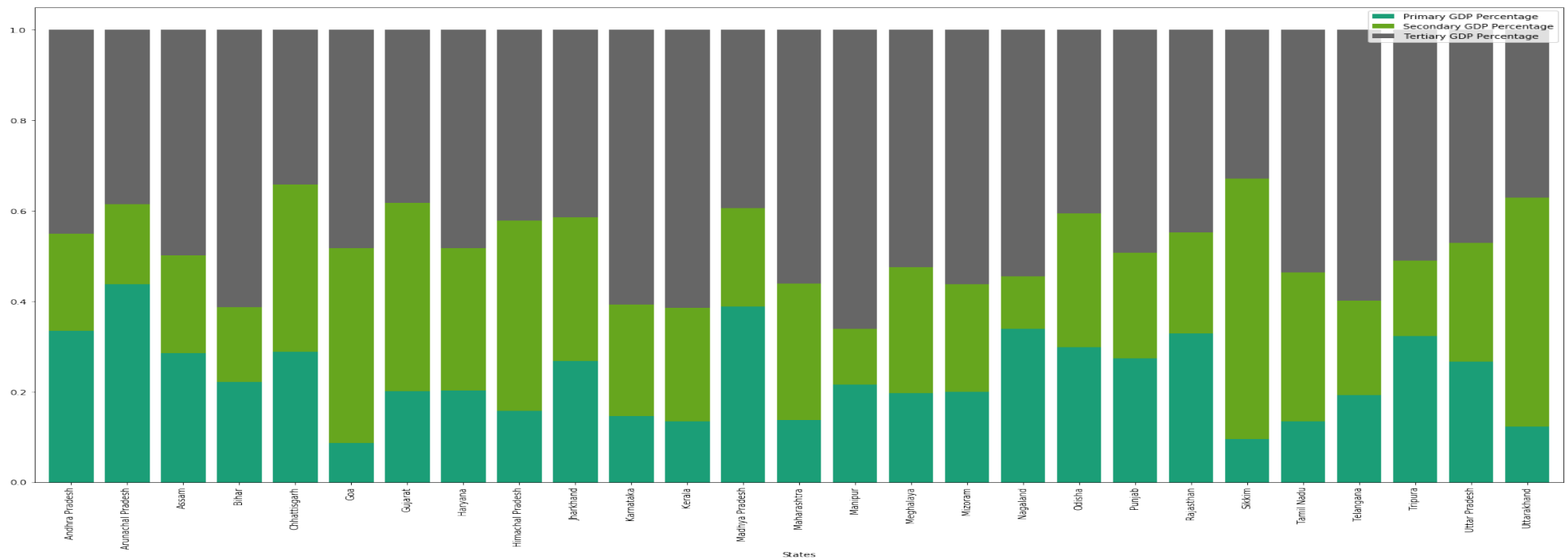
The Ratio of the highest per captia GDP to the lowest per captia GDP is [271793.] : [33954.] of 8%

## Sub Sector, Categorized GDP per capita



# Total GDP for all the states % of the primary, secondary and tertiary sectors

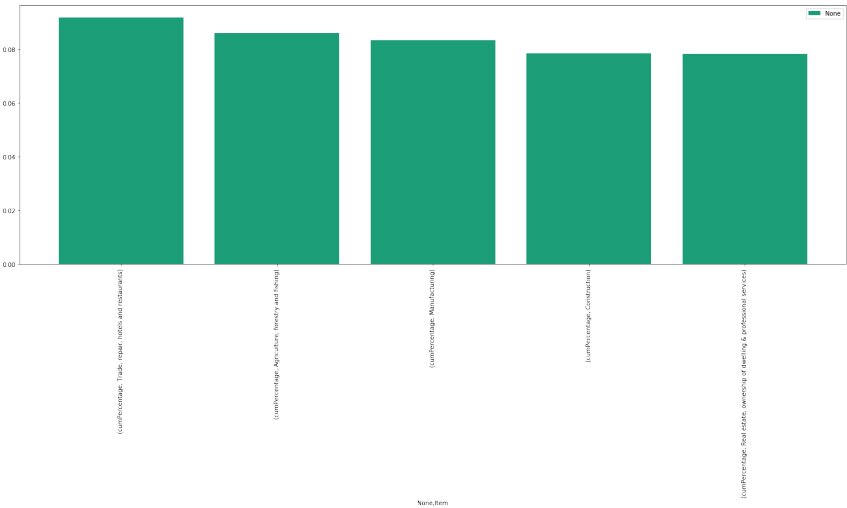
- 1. Top contributing Primary Sector States are: Arunachal Pradesh (44%), Madhya Pradesh (39%), Nagaland (34%), Andhra Pradesh (33%) and Rajasthan (33%)**
- 2. Top contributing Secondary Sector States are: Sikkim (58%), Uttarakhand (12%), Goa(43%), Himachal Pradesh (42%) and Gujarat(42%)**
- 3. Top contributing Tertiary Sector States are: Manipur (66%), Kerala (62%), Bihar (61%), Karnataka(61%) and Telangana(60%)**



Top 3/4/5 sub-sectors that contribute to approximately 80% of the GSDP of each category.

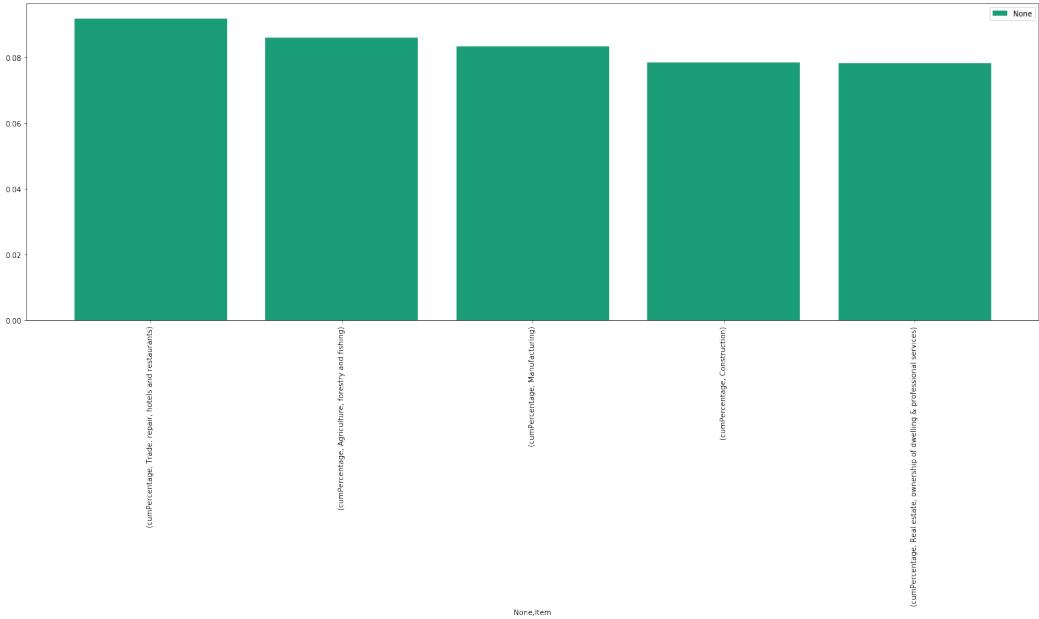
C1 - Top 5 Sub Sector

- 1. Trade, repair, hotels and restaurants (0.091889)
- 2. Agriculture, forestry and fishing (0.086068)
- 3. Manufacturing (0.083294)
- 4. Construction (0.078538)
- 5. Real estate, ownership of dwelling & profession... (0.078255)



C3 - Top 5 Sub Sector

- 1. Trade, repair, hotels and restaurants (0.091889)
- 2. Agriculture, forestry and fishing (0.086068)
- 3. Manufacturing (0.083294)
- 4. Construction (0.078538)
- 5. Real estate, ownership of dwelling & profession... (0.078255)





**1. How does the GDP distribution of the top states (C1) differ from the others?**

The GDP Distribution of the Top States C1 are similar to C3 both contributed approximately 80%

C2 is moderate contributed range of 30% - 60%

C3 is Struggling contributed range of 4 – 11%

**2. Which sub-sectors seem to be correlated with high GDP?**

The below listed Top5 Sub-Sector contributed

Trade, repair, hotels and restaurants

Agriculture, forestry and fishing

Manufacturing

Construction

Real estate, ownership of dwelling & profession

**3. Which sub-sectors do the various categories need to focus on?**

The below listed Bottom 5 Sub-Sector contributed

Transport, storage, communication & services re...

Mining and quarrying

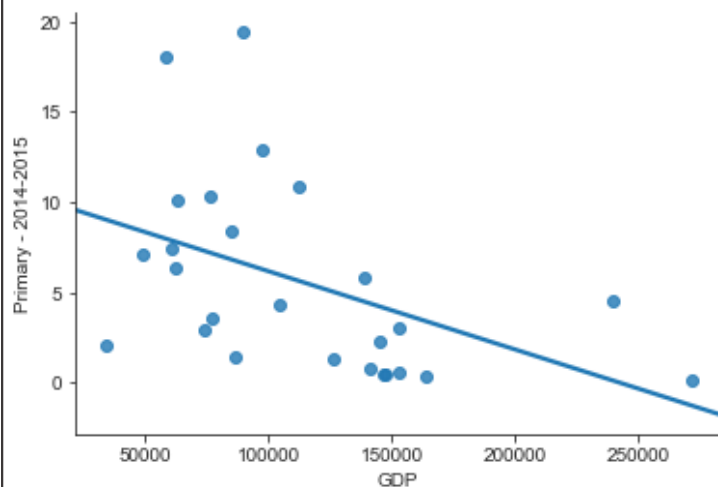
Public administration

Financial services

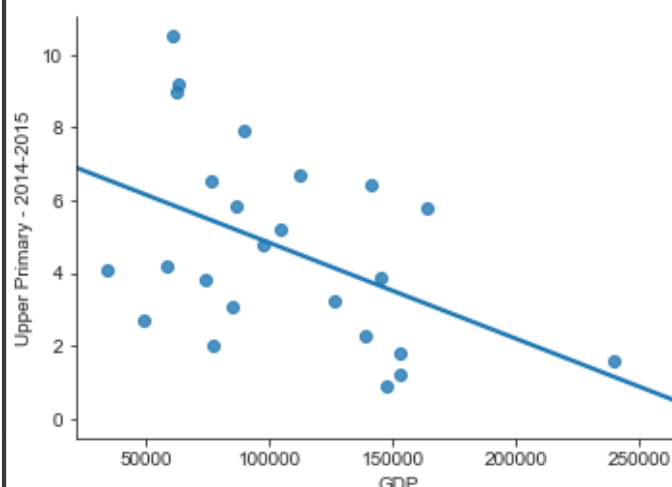
Electricity, gas, water supply & other utility ...

Analyse if there is any correlation of GDP per capita with dropout rates in education (primary, upper primary and secondary) for the year 2014-2015 for each state. Choose an appropriate plot to conduct this analysis.

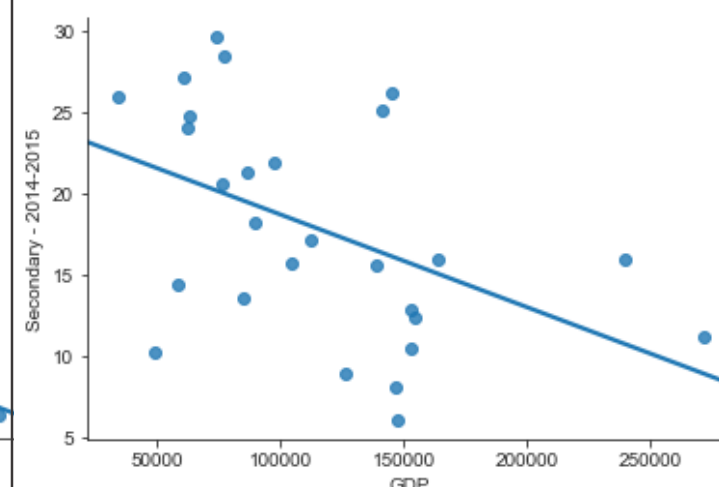
States have increase in Primary drop out increase GDP per Capita



States have decrease in Upper Primary drop out increase GDP per Capita



States have increase in Secondary drop out increase GDP per Capita



## **Observations:**

### **1. Irrelevant of drop all categorized States perform equal contribution in subsectors:**

- **Trade, repair, hotels and restaurants**
- **Agriculture, forestry and fishing**
- **Manufacturing**
- **Construction**
- **Real estate, ownership of dwelling & profession...**

### **2. Tertiary Sector, Secondary education dropout is 51% - 100%**

### **3. All Sector have Upper Primary education dropout less than 23%**