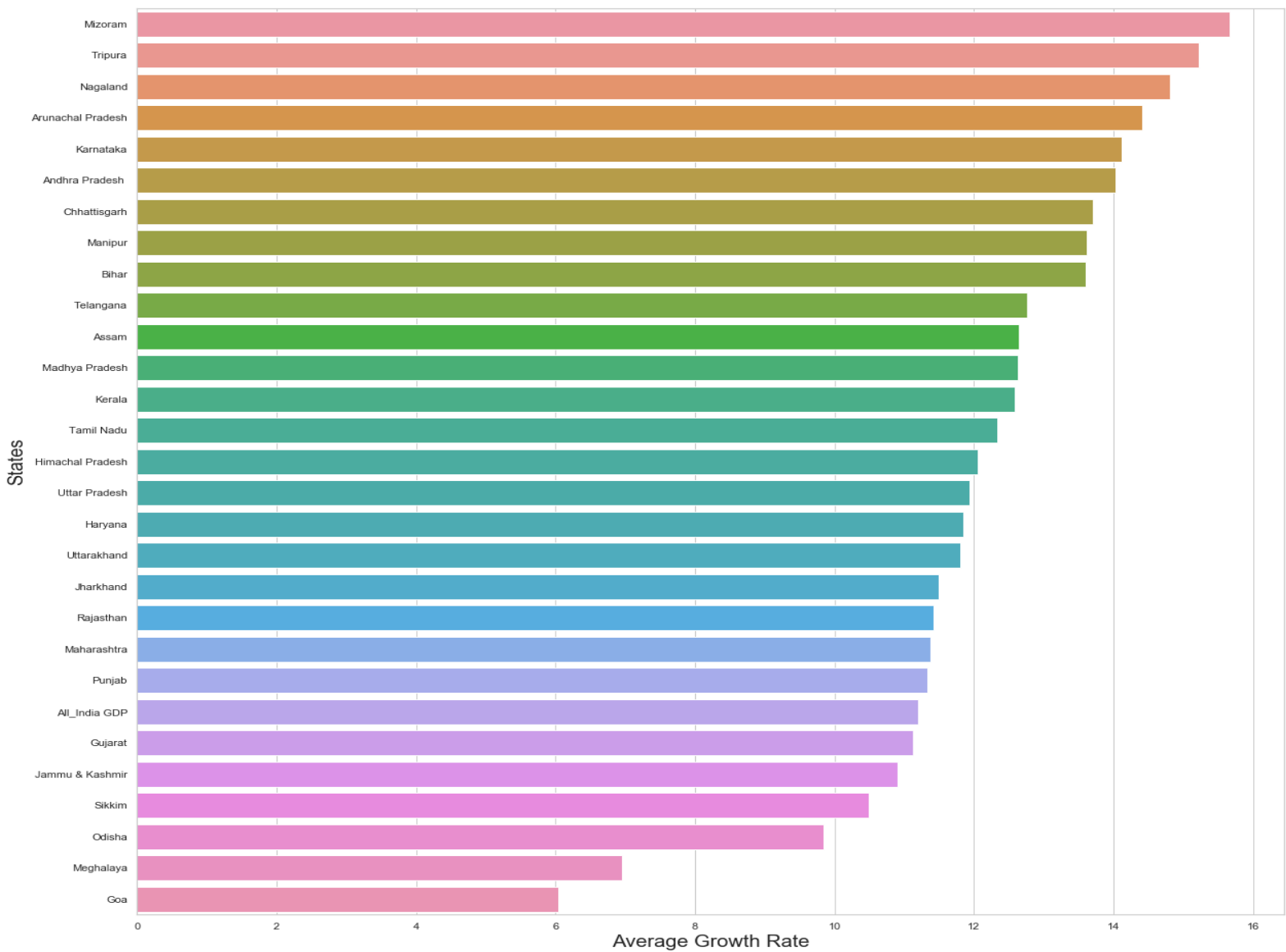


Assignment :GDP Analysis

Devesh Singh

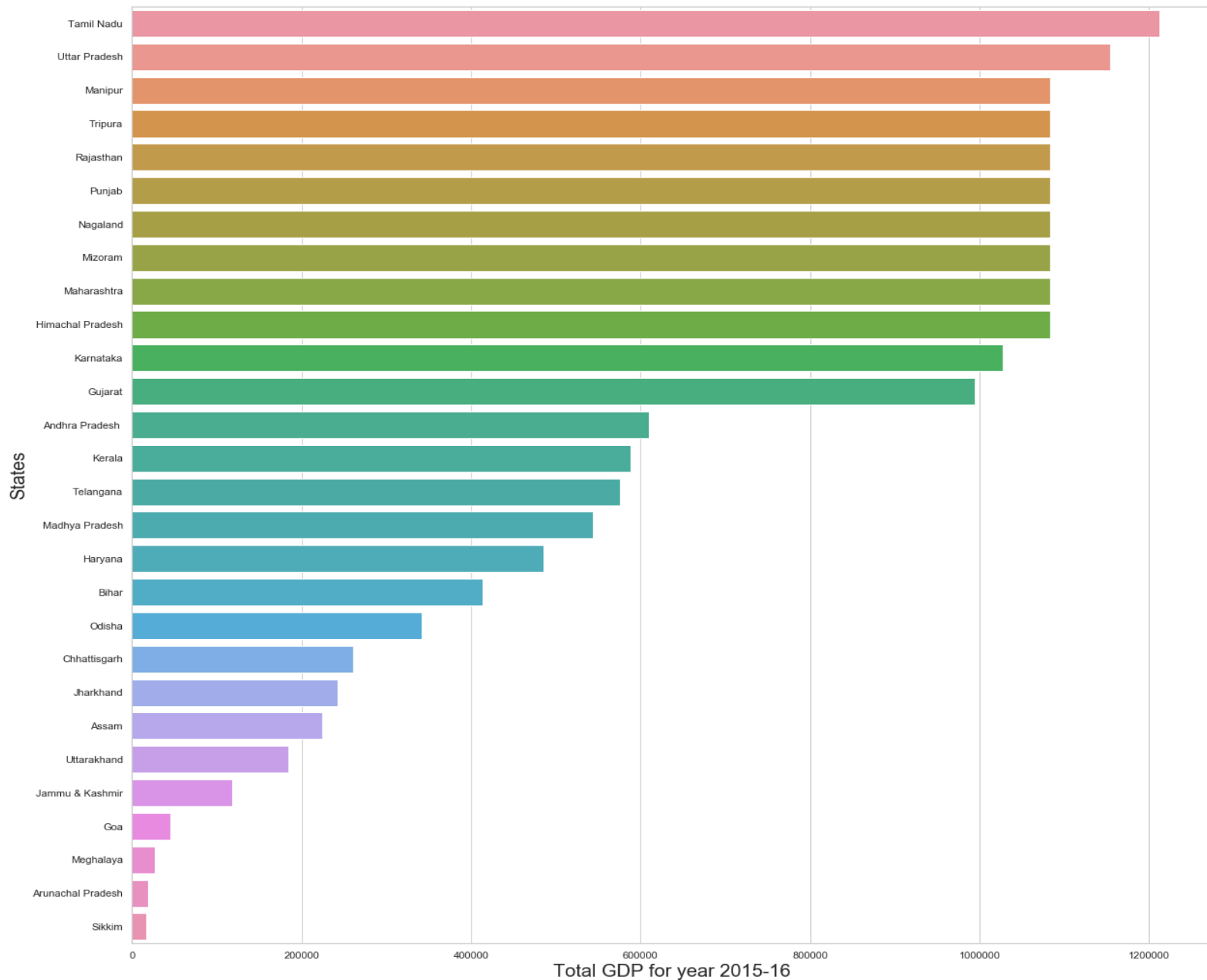
Date 01st May 2019

Part 1 A: Average growth rate of Indian state for year 2014-15



- Which states have been growing consistently fast, and which ones have been struggling?
- As per graph its clearly shows that Mizoram , Nagaland and Tripura has consistence growth where as Goa & Meghalaya are struggling.
- 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
- My home state in Maharashtra & UP, so if it compared with National avg it is exceeding marginally yet to far for consistency

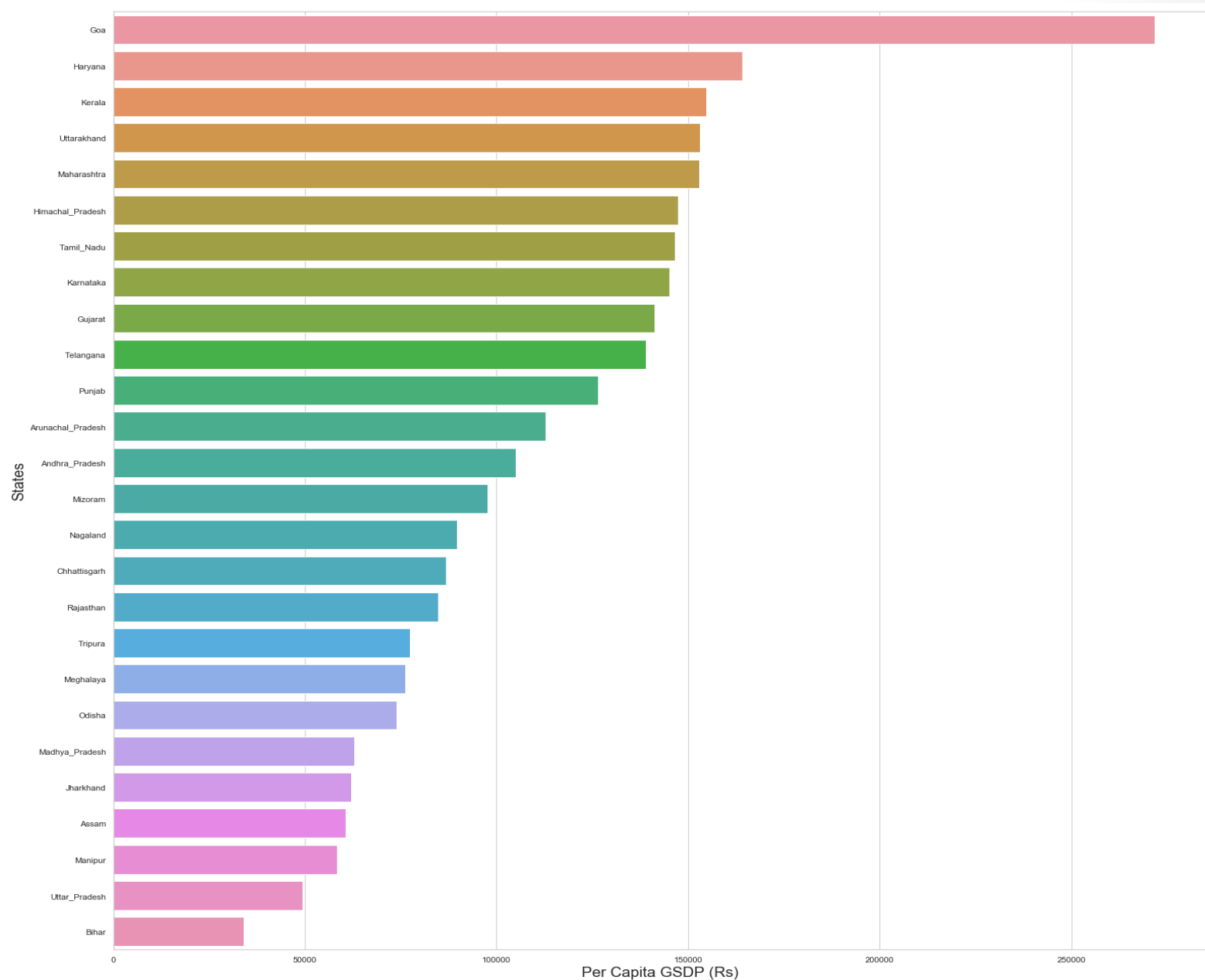
Plot the total GDP of the states for the year 2015-16:



Identify the top-5 and the bottom-5 states based on total GDP

Top 5 State	Bottom 5 state
Tamil Nadu	Sikkim
Uttar Pradesh	Arunachal Pradesh
Manipur	Meghalaya
Tripura	Goa
Rajasthan	J&K

Part 1 b: GDP per capita for all the states for 2014-15



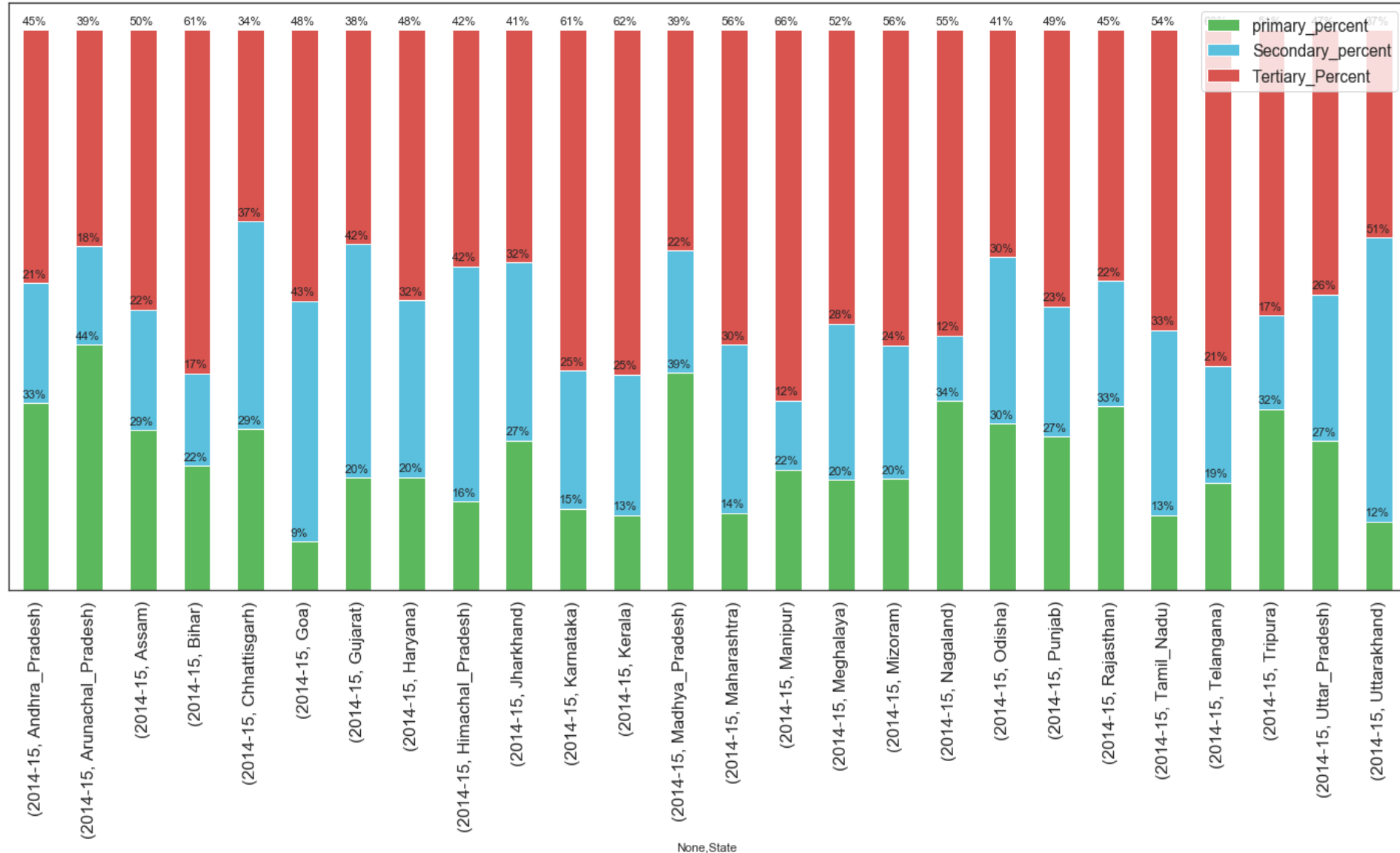
- Identify the top-5 and the bottom-5 states based on GDP per capita.

Top 5 State	Bottom 5 state
Goa	Bihar
Haryana	Uttar Pradesh
Kerala	Manipur
Uttrakhand	Assam
Maharashtra	Jharkhand

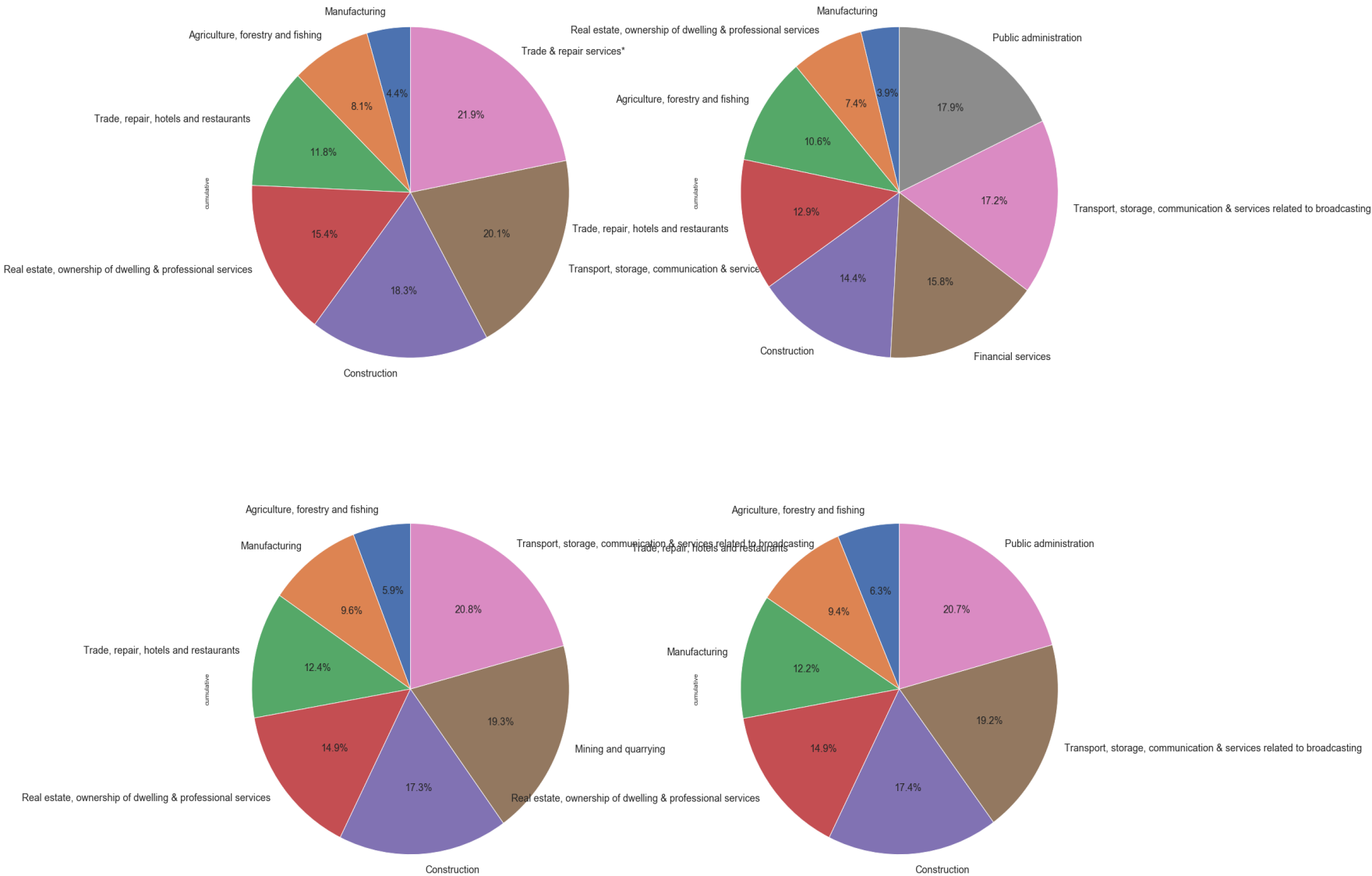
- Find the ratio of highest per capita GDP to the lowest per capita GDP.
- GDP of Goa / GDP of Bihar which is 8:1

percentage contribution of primary, secondary and tertiary sectors as a percentage of total GDP for all the states and the main insight is that The tertiary is the major sector across states other than Sikkim and Uttarakhand

primary, secondary and tertiary sectors contribution to GDP



percentage contribution of primary, secondary and tertiary sectors as a percentage of total GDP for all the states.

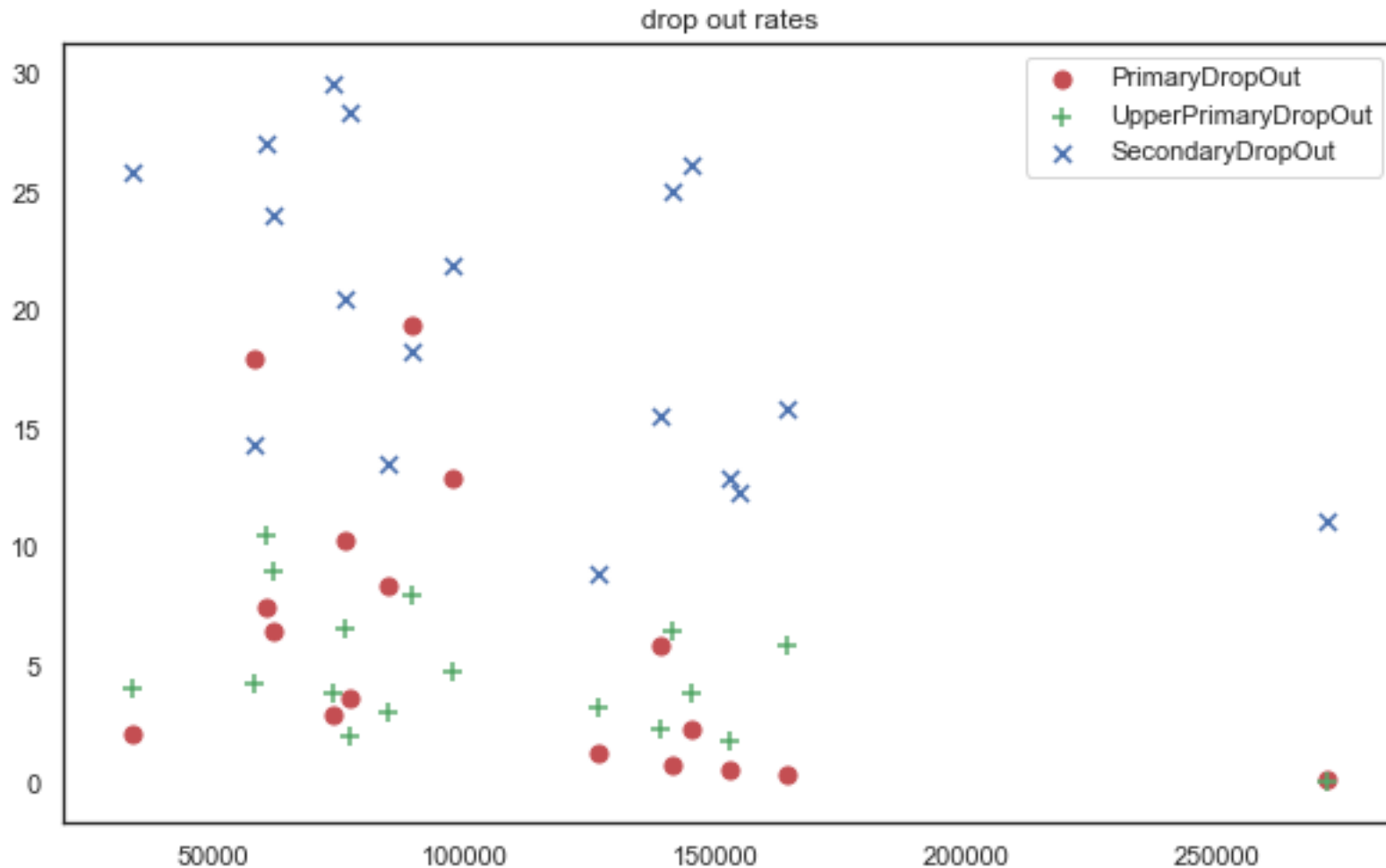


- ❑ How does the GDP distribution of the top states (C1) differ from the others?
 - The C1 category is more depended on manufacturing , real estate and construction other categories heavily dependent on agriculture and Crop so if weather is not supporting it can impact the per capita GDP
- ❑ Which sub-sectors seem to be correlated with high GDP?
 - Manufacturing , real state and Agriculture is correlated with High GDP
- ❑ Which sub-sectors do the various categories need to focus on?
 - C1 need to focus on agriculture and other categories needs to focus on manufacturing , real state and financial

So its recommended to focus on agriculture in Higher per capita state to keep inflation low and in other state Manufacturing to be focused which will generate more employment.

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- Part-II: GDP and Education Drop-out Rates



- The correlation depicts that low per capita GDP states have most of the primary drop-out, and it gets better as it moves to high per capita states.
- There are some negative correlations and outliers seen as well.