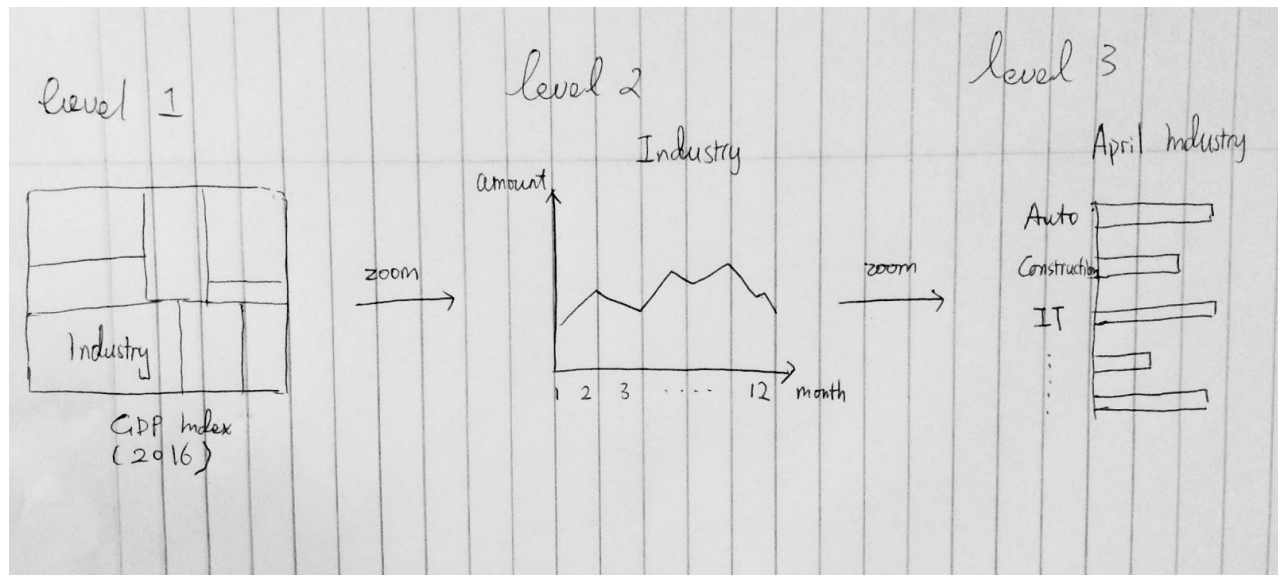# Draft on the Project Proposal v1

After thinking, I have refined my project ideas to a more specific one. I want to conduct a UX study on "changing the UI of an integrated visualization with interaction from the user."

For example, the visualization can be of 3 layers. As the users zoom in/zoom out, they can see a change of the UI of the visualization. The first layers might be a treemap, and when the users zoom in, they can see a 2d time series data of the focused area. And if they zoom in again, they can see a bar chart detailed data of the selected time.

The interaction is illustrated below:

This is different from the sunburst or a zoomable map , where the UI format in different scale are always the same. In my study, the UI format or layout will be changed. The meaning of this study is to try to find a way for us to integrate different formats of data into one visualization. Take the Uber rides data visualization I did as an example. Originally we separate the time series data, location based data(map), bar chart data into 3 different tabs. However, these groups of data are not independent, and they actually have connections within themselves. Instead of separate them into different tabs or using brush and linking, Can we integrate them into one and show exactly what the user want to see in different levels?