Hierarchical Time Series Data Visualization

There are many visualization techniques typically for hierarchical data, such as tree map, tree diagram, sunburst diagram etc. For time series data, there are also many ways to visualize it. For instance, you can consider line graph, bar graph or histogram. In this project, you are expected to design and implement an interactive visualization supporting hierarchical time series data. As an example, you can refer to Li et al.'s work[1], as shown in Fig 1. An dataset can be found in [2]. You are certainly encouraged to use any hierarchical time series dataset as you like.
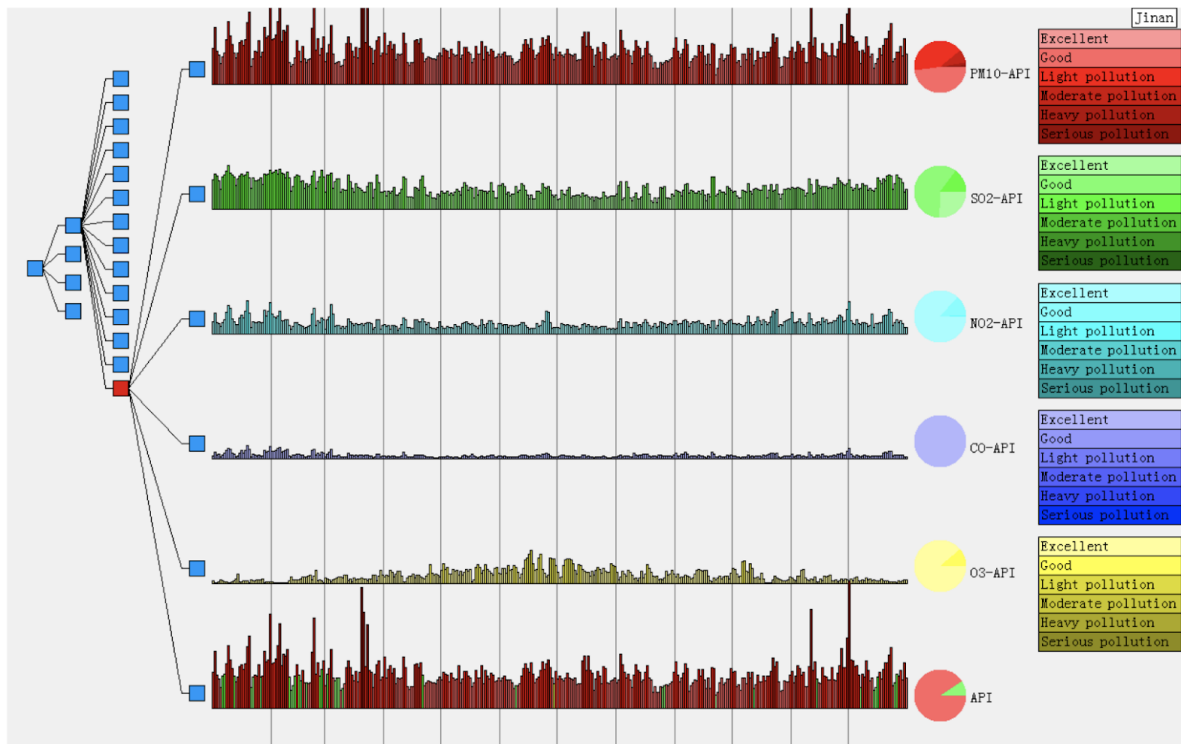

Fig 1. hierarchical time series data visualization example

References:

[1] Ning Li, Zhifang Jiang, Zixiang Liu, and Xiangxu Meng. 2013. A method of hierarchical time-series data visualization. In <i>Proceedings of the 6th International Symposium on Visual Information Communication and Interaction</i> (<i>VINCI '13</i>). Association for Computing Machinery, New York, NY, USA, 113–114.
DOI:https://doi.org/10.1145/2493102.2493121
[2] https://www.kaggle.com/c/m5-forecasting-accuracy/data