**Which one do you prefer to use between a basic point map VS a marker cluster map? What are the advantages and disadvantages of each type of map?**

*Answer:*

I prefer to use a cluster map to displace data on a map.

As for a basic point map, it can show the detailed data on a map. Readers can explore the specific point location and the information on the map directly. It is feasible when the data size is not too big to read. Plus, this map can demonstrate the basic density, given the point overlaps. However, if the data size is too big, then data point will overlap with each other, which confuses the reader and makes the map hard to read and explore data. Additionally, the basic point map shows data regardless of the map zooming. When map is zoomed out, it will cause overlaps as well. Finally, a basic point map cannot show the number of points, which requires counting manually.

As for a marker cluster map, it groups the data points depending on the zooming of map. When the map is zoomed out, surrounded data will be clustered and shows the amount of data within the cluster region. It makes the map easy to read and convenient to count points number, which is feasible for various data size. However, since the marker cluster map is grouped, it cannot show specific data information unless zooming in, which is not convenient when analyzing data points with long distances.