

Title:How to go efficient station in the Kyoto area

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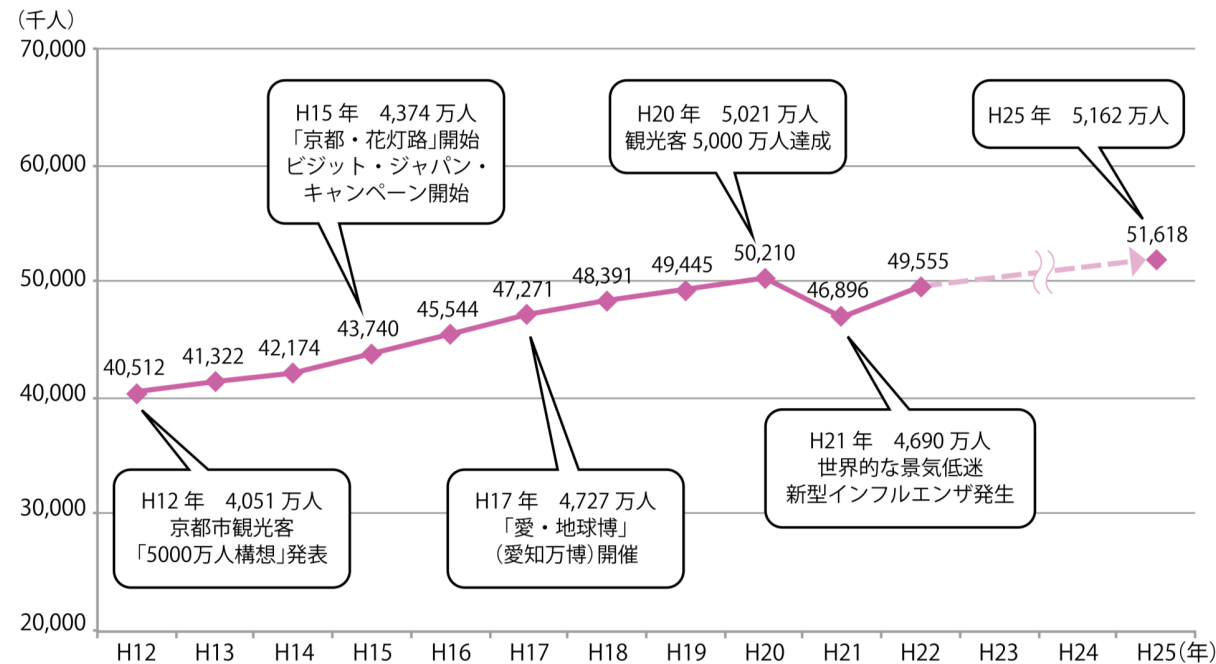
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The current state of Kyoto

- Kyoto tourists are tend to increasing.
- There are many place such as temples and shrines. But on the other hand congestion is a one problem.

Change of tourist in Kyoto

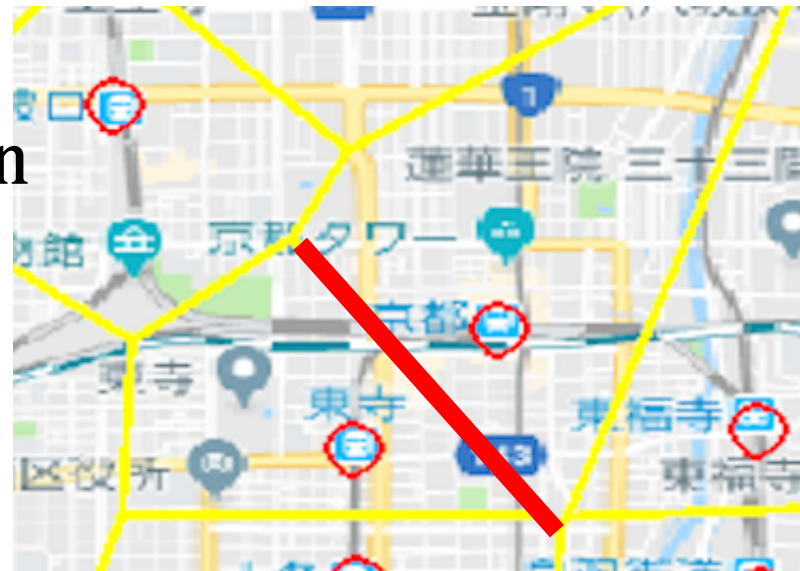


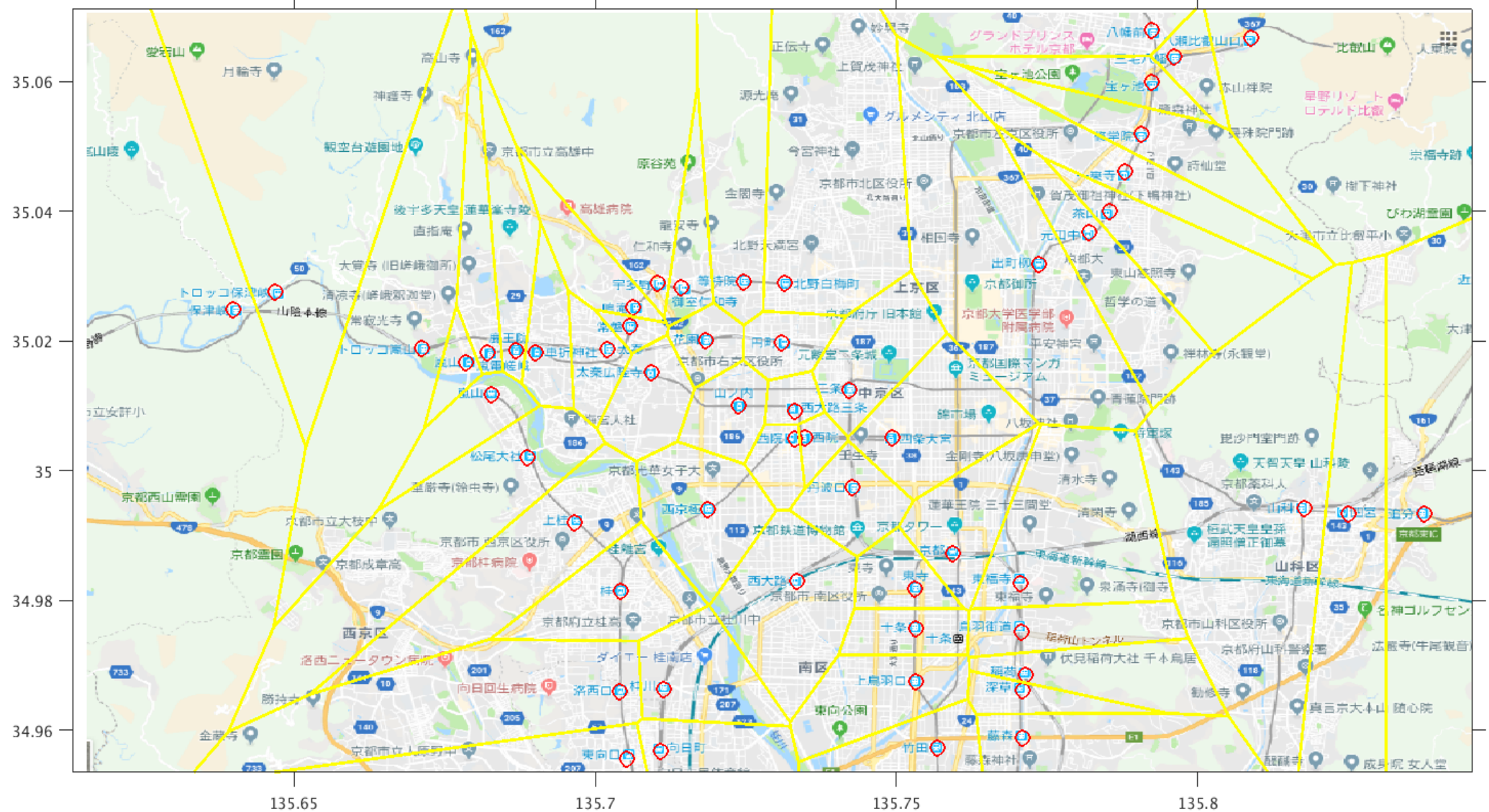
I would like to solve crowd of people effectively

- People go to the station that is the shortest distance.
- We can use train and I would like to find an area where is easy to visit.

Understand the distribution of stations

- I use Voronoi diagram to search the shortest distance from somewhere between stations.
- There are a lot of station in Kyoto. It is necessary to use Voronoi diagram for analysis.
 - This red line areas between Higashidera station and Kyoto Station. This means that the distance will not change whichever you go.





A result of Voronoi in station of Kyoto

- It is evenly distributed than I imagined.
- There are not much around the mountain and on top.



Discussion

- There is no station near Syouden temple.
- It is only the straight line distance that it is considered. So it is actually necessary to use the terrain and roads.
- There are few stations in the area above. So if you want to create a new station, you will need to use weighted Voronoi division. It calculate including number of people in the area and station capacity.

Summary

- If you get off at Kitano-Hakumeicho Station, you can visit to six famous places such as Kinkaku-ji and Kitano Tenman-gu. because same Voronoi area.
- It is easy to go sightseeing around Kyoto station because relatively small Voronoi area exists stably.

