# COVID-19 Visualization Feedback

The aim of this experiment is to investigate the usability and overall feelings of this coordinated multi-view architecture application. I cannot tell how good this application is unless I ask those people who are likely to be using them, which is why we need to run experiments like this to dispatch few tasks with respondents and get feedback from them. I will give some time to browse the web page, before asking you to complete some specific tasks. In details, respondents are required to answer fixed number of questions, complete an optional task and give overall feeling in the end. Meanwhile, some are selected to ask more questions to have deeper interview if they are willing. I will collect feedbacks in the electronical form. Please ask questions if you need to and please let me know when you are finished.

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1. When you are not so sure about the answers you are filling, take it easy and have 'Maybe' or 'Not Clear' opt.
2. check captions below each question/task to follow a hint or a guide to find the answer.

. . .

* Required

1. According to Object of observation, *d*oes **population density** affect the spread of the epidemic?
   *High density group => India, UK, Japan; Low density group => Malaysia, Denmark, Uzbekistan*
   *

   💡 Try to use the floating button 'Filter' in the bottom right corner.
   💡 The grouping provided is not fixed, try to use the filter to filter yourself

   ○ Yes

   ○ No

   ○ Not Clear

2. In the comparison between Malaysia and Thailand, which one has the **greater epidemic growth rate** in the second half of 2021? *

💡 Observe the histogram after selecting the Malaysia and Thailand using the global filter.

○ Thailand

○ Malaysia

○ Not Clear

3. Which has larger daily new COVID cases **per million** in Asia or Africa in second half of 2021, by comparison? *

💡 line chart part provides a descriptive line (*E.g. World Average Line*) for a particular data set.

○ Africa

○ Not Clear

○ Asia

4. Whether the recent outbreak situation (*Today is 2022/06/30*) in the United States is **stable** compared to Japan in the data set? *

💡 In addition to direct observation, you can also try to see the **variance** value (*the larger the value the more unstable the trend of the discount*), which is included in the tooltip of each node.

○ Not Clear

○ No

○ Yes

5. Is the epidemic situation in India **stable** in the last 7 days (Today is *2022/06/30*) compared to the average curve for the whole world? *

💡 line chart part provides a descriptive line (*E.g. World Average Line*) for a particular data set.

○ Yes

○ Not clear

○ No

6. Which country below has the **highest daily increase** in deaths in the entire European region of the data set? *

💡 You can try to use the **brush tool** of the map, select the region and then observe the ranking information in the bar chart on the right.

○ Germany

○ France

○ Spanish

○ United Kingdom

○ Not Clear

○ Poland

7. As vaccination rates increased, observe the relationship between new cases and deaths.

🤓 👉 It's a task, not a question, so just try to complete it and give feedback in the overall feeling at the end.

1. Try to use bookmarks and put the line graphs under cases, vaccination, and deaths into one view for observation respectively.
2. vaccination rates denotes vaccination per hundreds.

8. Few questions on the overall feeling *

|  | 🟢 Agreed | 🟡 Not Clear | 🔴 Disagreed |
|---|---|---|---|
| You have a positive attitude towards using the system | ○ | ○ | ○ |
| You can overall quickly learn this system | ○ | ○ | ○ |
| You are able to effectively use this system coordinative features | ○ | ○ | ○ |

Submit