

Data Analyst (IICA 1) - Data Visualisation Assessment

INSTRUCTIONS

1. You should submit a URL where your solution can be accessed. Please make sure it's anonymous. Please send links to a publically available version of the PowerBI work i.e.
2. You have a maximum of **72 hours** to complete the assessment.
3. Please ensure you provide well-structured answers (when a narrative answer is expected). All responses should be in English.
4. This test will be evaluated anonymously, so please **do not mention any information in your answer sheet that would allow us to identify you** (i.e. your name, your previous/current employer, names of any specific projects, your gender or any logo/acronym). Failure to comply with these instructions will disqualify you from the selection process.
5. If any part of your answer is found to have been plagiarized, i.e. that any part of your answer has been copied from existing publicly available material, you will be disqualified from the recruitment process.
6. This is an **independent assessment**. If it is found at any point in the process that you have completed the assignment with the help of another person or that another person has completed the assignment on your behalf, you will be disqualified from the process.
7. You must return your answers via email to Yo Wakita (yow@unops.org) by the time specified. Failure to submit on time will disqualify you from the selection process.

Confidentiality statement

The content of this written assignment is confidential. By participating in this exercise, you

agree not to share, distribute, or post in any way, fully or partially, the content of this test with any other person at any time. If any part of your answer is found to have been plagiarized, you will be disqualified from the recruitment process.

Enjoy the test and we hope to see you soon in Copenhagen!

Your client has asked you to work on data visualisation for data gathered by The World Bank on the socio-economic impact of COVID-19 on households.

<https://datacatalog.worldbank.org/search/dataset/0037769/Harmonized-COVID-19-Household-Monitoring-Surveys>

The client is interested in understanding a number of key points about the situation in Cambodia in comparison to Lao PDR.

1. The % of children engaged in any learning or educational activities nationwide. (% of HHs with children engaged in any learning/education activities since school closures) 1. How this differed in a rural and urban context.
2. The decrease in household income that was experienced nationwide. (% of HHs that experienced a change in total income - decrease)
 1. How this was different in a rural and urban context.
3. The % of households who have adopted preventive measures. (% of respondents who adopted different preventive measures - any preventive measure)
 1. How this was different in a rural and urban context.

In addition, there is interest in how the situation changed across waves 1-3.

Your task is to create a dashboard that helps them to understand these points. Your work will be evaluated on the accuracy, best practices and clarity. You may build the dashboard on any data visualisation platform that you wish. The only caveat is that you are able to share the output natively on the platform.

Platforms such as Google Data Studio (now Looker Data Studio), Microsoft Power BI, and Tableau are fully acceptable as are Google Sheet approaches. Design packages such as Indesign, and Illustrator are not acceptable.

Your work should be presented in English, you have 72 hours to complete the assignment. We'd expect the task to take somewhere in the region of 2 hours. You should submit a URL where your solution can be accessed. Please make sure it's anonymous.