

Task Sheet

Dynamic Noise and Pollution Campus Map Evaluation

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Questions (part 1)

1. Are you a student?
2. If so, are you studying at the University of Glasgow?
3. How familiar are you with the university campus (on a scale of 1-5)?
4. Do you possess a mobile device (or multiple devices)?
5. If so, what brand/ brands?
6. Do you download mobile applications from the application catalogue that track your location?

Tasks

1. Explore the data points and routes rendered on the map.
2. Using the user interface of the application, try to identify the where the highest values for noise, CO and NO2 are on the map.
3. Using the custom visualizations, plot multiple variables on the map at the same time.
4. Using one of the visualization modes, identify the areas where the map is most accurate – popular evaluation areas in other words.
5. Familiarize yourself with user interface of the Android application (once you think you are ready, I will ask you some questions and give you a briefing).
6. Start the environmental collection process (using the Android client).
7. Find route recommendations to three buildings of your choice and walk to them, while carrying the sensor and collecting data.
8. Please fill in the Nasa TLX form I will provide you with (rating mental, physical and temporal demand as well as performance, effort and frustration).

Questions (part 2)

7. How would you rate the application on an overall basis (on a scale of 1-10)?
8. Would you use this application if it becomes available for free on the application web catalogue for your device?
9. Is there anything in particular that you like/ dislike about this application? Please comment.
10. How can this application be improved in your opinion?