

Strategy-led data generation

Discuss the question and choose a research strategy and two data generation methods that you believe are best suited for the question.

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What is the effect of the app "Smittestopp" on the physical activity of its users?

We want to use case studies to get the systematic observation of the users before and after the app was downloaded.

Data generation is based on gps location of the user to get the actual number of trips and research interviews to root out outliers and biases.

What does an efficient Covid-19 contact tracking app look like?

- Survey all various Covid-tracking apps in use.
- Collect data of the daily official number of Covid cases number for a region
- Collect App data of recognized Covid cases for that region
- Collate and correlate the two data

What is the effect of the app "Smittestopp" on the physical activity of its users?

This research question can incorporate a survey design. The researcher can formulate a questionnaire as a data generation tool to ask a sample size that has downloaded and used the app prior to the study. Moreover, the researcher can also employ interviews depending on the information he wants to harvest. The advantage of using survey is that the results can be generalized to larger populations if the researcher is able to obtain a larger sample size.

Moreover, a case study can also be applicable, and both interviews and observations of the population can be used for data generation.

How does an efficient Covid-19 contact tracking app look like?

Such a research would have to take into account both theoretical, ideal specifications of this app, and the knowledge we can gather from the usage of current implementations of such apps. Therefore, I would use **survey** as a Research Strategy. My data generation methods would be:

1. Interviews with the stakeholders of currently used Covid-19 tracking app.
2. Documents that could indicate whether the app does track efficiently - for example correlating the system log of a Covid-19 tracking app, with data generated by another system that tracks people (student card, google maps etc.).

What is the effect of the app "Smittestopp" on the physical activity of its users?

As Smittestopp is an App already used by many and also in use at present, we can take the Case Study approach for answering this research question related to the specific App. The data collection strategies for such a case study can be interviews or questionnaires of the participants who have already used the App.
