

Master thesis proposal

Understanding Folkhalsomyndigheten's data updates

Krzysztof Bartoszek

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The topic concerns the analysis of Folkhalsomyndigheten's daily (or later weekly) excel spreadsheet/csv reports concerning COVID19 in Sweden. In particular the aim is to identify the reliability of the currently reported data and how this reliability changed over the course of time. In particular reliability should be looked at at the level of different regions, and population groups. FHM back corrects data so it is possible to compare how the data, for a particular day/week, evolved over time.

Aims of the work:

1. Evaluate how the quality of the data evolved. When and which data was/is appropriate for nowcasting, and when/which was/is not. Are there any particular regions, population groups that had exceptionally good or bad real-time reporting?
2. Propose dynamic (e.g., Bayesian) correction methods for real-time report data.
3. Develop a flexible R tool for working with a collection of of FHM's excel and csv sheets data.