

CSE 490C, Homework Assignment 7, Due Monday, December 3, 2018, at 11:59 pm

Problem 1, Strava App and Military Bases

Identify four likely foreign military bases in at least two countries from the [Strava Heatmap](#). You should provide an image of the military base, along with some identifying information and image of the corresponding area from a satellite image (likely from Google Maps).

Problem 2, Disease prediction from helpline calls

The paper *[Find-grained Dengue Fever Forecasting](#)* argued that measuring the number of calls to a help line is an effective mechanism for forecasting future dengue fever cases.

Do you think this methodology would transfer to other diseases?

Pick three diseases and assess whether or not helpline calls be used as a tool for predicting the number of cases. For each disease you pick, specify a geographic region you are considering so that you can give context for your answers.

Possible diseases to pick are: Tuberculosis, Influenza, and Malaria.

For each disease that you pick, discuss whether or not calls to a help line might be an accurate predictor, and what obstacles might occur to the help line approach.