Covid-19 Problem

Idea:

1. The idea is to stop the transmission by prioritizing tests and hence detecting the cases quickly.
2. Data can be collected on the symptoms of Covid-19.
3. A machine learning model is then trained on the data to find out the probability of a person having the infection.
4. The model is then used to find out whom to test under a limited testing capacity.
5. The same model can be used to find potential candidates for conducting random tests.

Machine Learning Model Parameters:

A Team of doctors can sit down to find out best model parameters.

A sample set of parameters is as follows:

1. Features

* Average Fever – Continuous
* Body Pain – 0/1 :- Binary
* Age – Discrete
* Runny Nose – 0/1 :- Binary
* Difficulty in Breathing – Categorical :- (-1)/0/1

1. Labels:

* Probability of Covid-19 Infection