Simple Method of Improving Quarantine for CoronaVirus (COVID-2019) Through Location-Based Web-Services

April 16, 2020

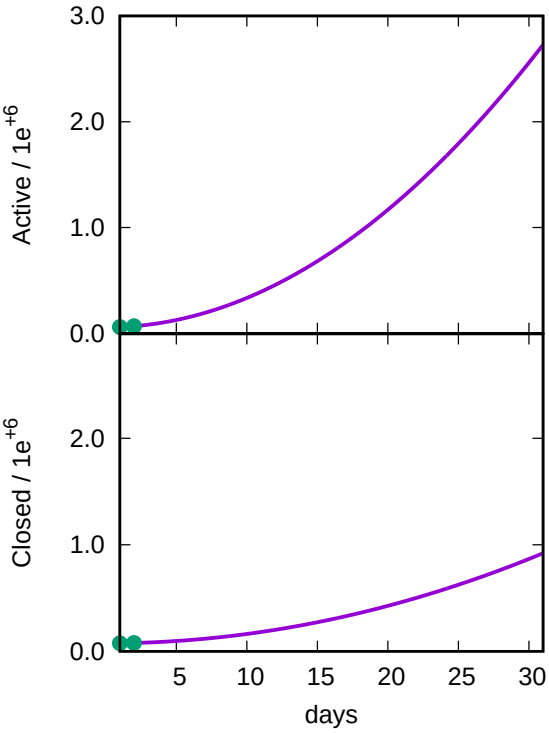

Figure 1: The number of active (top) and closed (bottom) cases as a function of days. The dotted values shown in green represents the actual data and the violet line is the prediction. The functional form used is $f(x) = a_0 + a_1(x^2)$. The coefficients of the functional form for (top) are $a_0 = 0.953233{*}s_{active}$ and $a_1 = 0.04676{*}s_{active}$ and (bottom) are $a_0 = 0.9885{*}s_{closed}$ and $a_1 = 0.0115{*}s_{closed}$. Here, s_{active} and s_{active} are the number of active and closed cases on day 1 respectively. According to this model, the number of active cases in a month's time will be nearly 3 million and the closed clases will be 0.93 million.