

I used data from China to plot these plots. There are 163 days in the original data sets. It is from 2020.01.22 – 2020. 07.02. For window size = 4, the parameters for the first 3 days are the same, and they are equal to the value of actual infected individuals. So, the plots start from the 4<sup>th</sup> day which is Jan 25(days = 0 on the x-axis), 160 days in total. Similarly, for window size = 7, the parameters for the first 6 days are the same, and they are equal to the value of actual infected individuals. So, the plots start from the 7<sup>th</sup> day, which is Jan 28(days = 0 on the x-axis), 157 days in total.