



Characterization of Partially Observed Epidemics Through Bayesian Inference - Application to COVID-19 Forecasts

Cosmin Safta (PI)

Research team: P. Blonigan & J. Ray

Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525. This paper describes objective technical results and analysis. Any subjective views or opinions that might be expressed in the paper do not necessarily represent the views of the U.S. Department of Energy or the United States Government.



No
Image

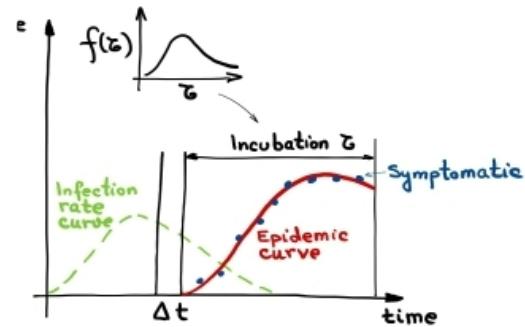


Characterization of Partially Observed Epidemics Through Bayesian Inference - Application to COVID-19 Forecasts

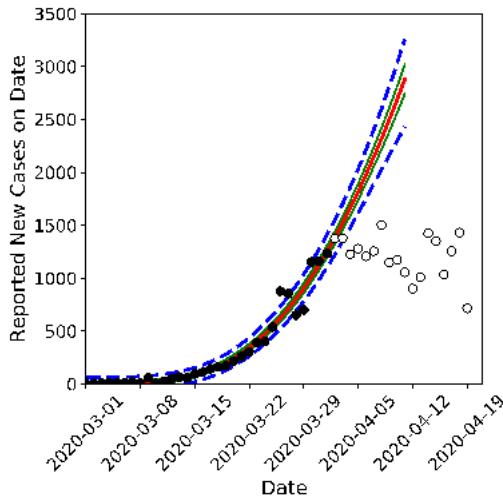


Approach

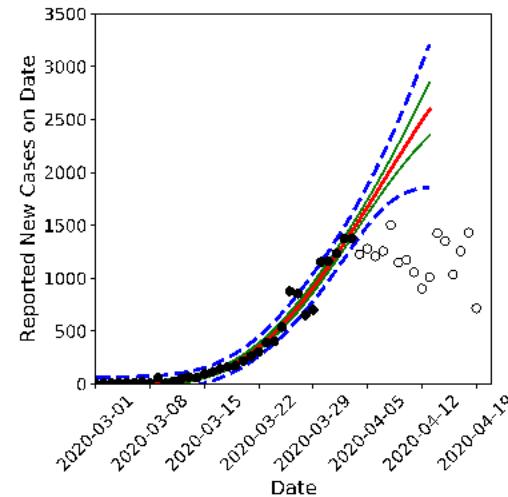
No
Image



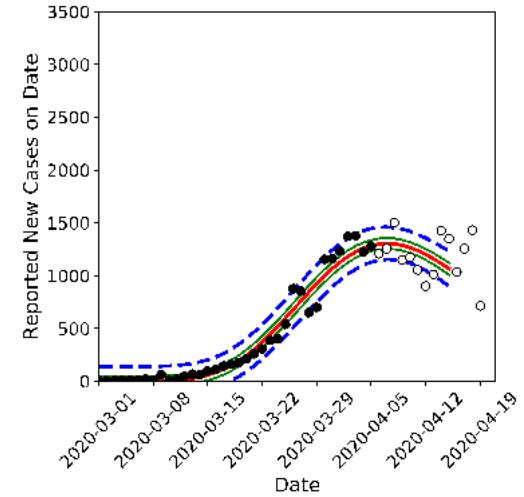
Forecast on April 1



Forecast on April 3



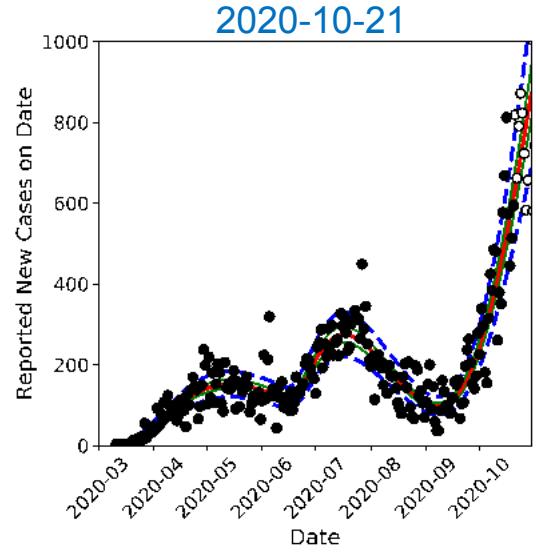
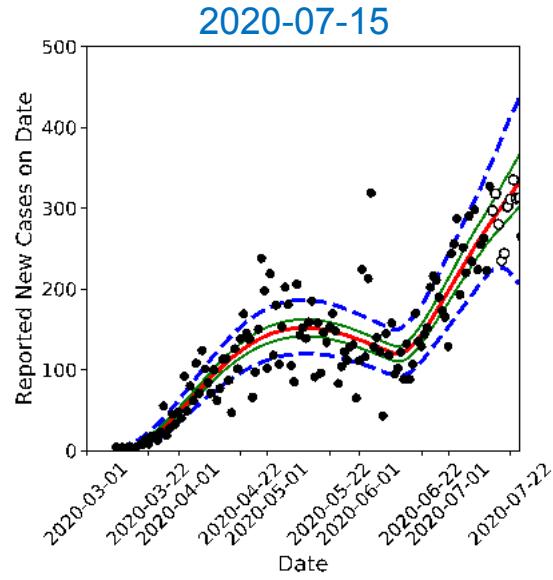
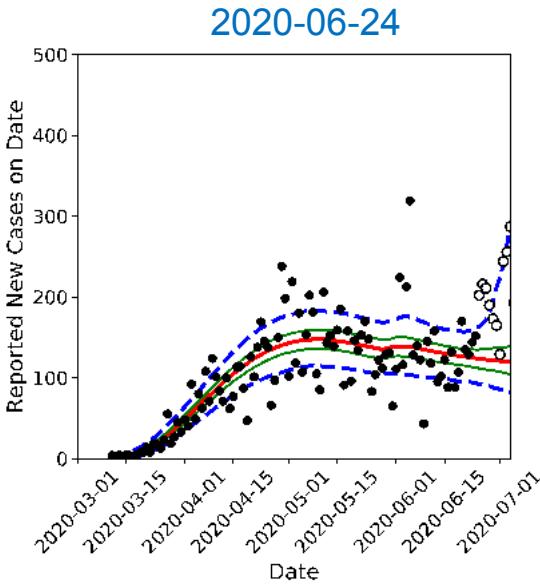
Forecast on April 5



Flattening CA's curve; first lockdown in March 2020

Characterization of Partially Observed Epidemics Through Bayesian Inference - Application to COVID-19

No
Image



New Mexico, in Summer and Fall 2020