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Invitation to review PGH2396

1 message

Editorial Office, Pathogens and Global Health <em@editorialmanager.com>   Wed, Jul 14, 2021 at 5:13 PM
Reply-To: "Editorial Office, Pathogens and Global Health" <pathgh@imperial.ac.uk>
To: Shazlyn Shaharudin <shazlyn@fsmt.upsi.edu.my>

PGH2396
Predicting Near Future COVID-19 Cases and Trends Using Correlated Countries
Pathogens and Global Health

Dear Dr Shaharudin

We have received the above submission to Pathogens and Global Health and feel that you are well suited to review this paper. We would be very grateful if you could kindly agree to review it and comment on its technical merit and suitability for publication. We would like to express our gratitude at your ongoing commitment to Pathogens and Global Health and we greatly value your contribution.

The abstract of the submission is as follows:

The ability to accurately forecast the number of COVID-19 cases and future case trends would certainly assist governments and various organisations to strategise and prepare for the newly infected cases well in advance. Many predictions have failed to foresee future COVID-19 cases due to the lack of reliable data; however, such data is now widely available for predicting future trends in COVID-19 after more than one and half years of the pandemic. Also, various countries are closely monitoring other countries that are experiencing a surge in COVID-19 cases in the expectation of similar scenarios, but this does not always produce correct results as no research has identified specific correlations between different countries in terms of COVID-19 cases.
In this analysis, we used simple and real time near future prediction for COVID-19 spread by identifying correlations between different countries in terms of the daily official recorded cases of COVID-19. The daily COVID-19 cases were examined for each country for the past 75 weeks using a correlation method (Pearson) with the aim of determining the correlations between different countries. If a strong correlation coefficient ($r > 0.8$) was found to exist between two or more countries, this indicates that these countries had very similar COVID-19 trends in the past 525 days, and it is expected that this correlation would continue in the near future. This will offer certain countries an easy and effective way of predicting the number of COVID-19 cases that will occur in the near future as well as future trends by simply monitoring a very specific correlated (interrelated) country, and in some cases, monitoring multiple countries. This projection of COVID-19 daily cases will capture all future variables including Coronavirus mutations.

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We should appreciate receiving your review within 19 days. Please submit your comments online at the above URL. There you will find guidance on the procedure for submitting confidential comments to the editor, comments for the author, completing the report form and uploading track changes. On accepting this invitation you will also receive a detailed letter to your email account guiding you through the review process. If you experience problems accessing this information or require assistance, please contact pathgh@imperial.ac.uk

As a way of thanking you for your efforts, we are pleased to offer our reviewers 30 days complimentary access to our peer reviewed content via Taylor & Francis Online.

With best wishes,

Andrea Crisanti
Editor
Pathogens and Global Health

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