**Prediction of New Confirmed COVID-19 Cases Using a Multiple Linear Regression Model**

## Abstract

aa**Introduction and Aims**

The COVID-19 pandemic originated from the city of Wuhan of China has highly affected the health, socio-economic and financial matters of the different countries of the world. India is one of the countries which is affected by the disease and thousands of people on daily basis are getting infected. In this paper, an analysis of daily statistics of people affected by the disease are taken into account to predict the next days trend in the active cases in Odisha as well as India.

**Material and methods**

A valid global data set is collected from the WHO daily statistics and correlation among the total confirmed, active, deceased, positive cases are stated in this paper. Regression model such as Linear and Multiple Linear Regression techniques are applied to the data set to visualize the trend of the affected cases.

**Results**

**1. Introduction**

[Go to:](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7395225/)

aa**Introduction and Aims**

**2. Materials and methods used**

[Go to:](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7395225/)

aa **Differences in the population size between different countries are often large – it is insightful to compare the number of confirmed cases per million people.**

**Introduction and Aims**

**3. Results**

[Go to:](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7395225/)

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**4. Discussion**

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**5. Conclusion**

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**Declaration of competing interest**

None to declare.

[Go to:](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7395225/)

**References**

https://www.census.gov/popclock/