

# **IMPLEMENTATION OF THE EXPONENTIAL SMOOTHING METHOD FOR FORECASTING THE CASE OF COVID-19**

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## **ABSTRACT**

*Data and information are an important part of making decisions regarding the handling of Corona Virus Disease 2019 (COVID-19). COVID-19 data, both demographic and aggregated, can be processed and analyzed to provide information regarding the current situation and conditions related to the COVID-19 pandemic. The COVID-19 data is also used for predictive analysis to find out the estimated number of COVID-19 cases in the future. The predictive analysis used in this article is the Exponential Smoothing method. Exponential Smoothing is a type of moving average forecasting technique that weighs past data in an exponential manner so that the most recent data has a greater weight or scale in the moving average. The use of the Exponential Smoothing method can be implemented in cases of COVID-19 with an average error value of 25.75%. Exponential Smoothing method is more suitable for forecasting data in a certain period.*

**Keywords:** *forecasting, Exponential Smoothing, Corona Virus Disease 2019*