IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 7, April 2024

# Data Commerce

**Dhobale Vaishnavi Navanath, Gaikwad Pratik Digambar,**
**Hon Rushikesh, Jagdale Samruddhi Anil, Prof. Mundhe Bhalchandra B.**
Department of Computer Engineering
Sahyadri Valley College of Engineering & Technology, Rajuri, Junnar, Pune, India

**Abstract:** *MERN based forecasting mechanisms have proved their significance to anticipate in perioperative outcomes to improve the decision making on the future course of actions. The MERN models have long been used in many application domains which needed the identification and prioritization of adverse factors for a threat.*

*Several prediction methods are being popularly used to handle forecasting problems. This study demonstrates the capability of MERN models to forecast the number of upcoming patients affected by COVID-19 which is presently considered as a potential threat to mankind. In particular, standard forecasting models,*

*1) such as linear regression (LR),*
*2) least absolute shrinkage*
*3) selection operator (LASSO),*
*4) support vector machine (SVM),*
*5) exponential smoothing (ES)*

*Three types of predictions are made by each of the models, such as the number of newly infected cases, the number of deaths, and the number of recoveries in the next 10 days.*

**Keywords:** Data.


DOI: 10.48175/568
ISSN 2581-9429 IJARSCT