# Article information:

Applications of Big Data Analytics to Control COVID-19 Pandemic - PMC  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8037067/>

# Article summary:

1. Big data analytics tools play a vital role in understanding the characteristics and behavior of the COVID-19 pandemic, which is necessary for making decisions and precautionary measures.

2. This paper reviews the contributions of several studies in the domain of COVID-19-based big data analysis, presenting a taxonomy of applications used to manage and control the pandemic.

3. Challenges encountered when analyzing COVID-19 data are discussed, as well as future directions for further research and applications.

# Article rating:

May be slightly imbalanced: The article presents the information in a generally reliable way, but there are minor points of consideration that could be explored further or claims that are not fully backed by appropriate evidence. Some perspectives may also be omitted, and you are encouraged to use the research topics section to explore the topic further.

# Article analysis:

The article “Applications of Big Data Analytics to Control COVID-19 Pandemic” is an informative review of existing studies on big data analytics in relation to controlling the spread of COVID-19. The article provides a comprehensive overview of potential applications for big data analytics in this area, including diagnosis, risk score estimation/prediction, and healthcare decision-making. It also discusses various challenges that may hinder its application and provides future directions for further research and applications.

The article is generally reliable and trustworthy due to its comprehensive coverage of existing studies on big data analytics related to controlling the spread of COVID-19. The authors have provided detailed summaries of each study they reviewed, including their aims, techniques used, types of data used, sources from which it was obtained, and findings from each study. Furthermore, all claims made by the authors are supported by evidence from existing studies or other sources such as surveys or reports.

However, there are some points that could be improved upon in order to make the article more reliable and trustworthy. For example, while the authors provide a comprehensive overview of potential applications for big data analytics related to controlling the spread of COVID-19, they do not explore any counterarguments or potential risks associated with these applications. Additionally, while they discuss several challenges that may hinder its application such as privacy concerns or lack of datasets, they do not provide any solutions or recommendations on how these challenges can be addressed or overcome. Finally, while they provide future directions for further research and applications related to big data analytics in this area, they do not discuss any potential limitations or drawbacks associated with these directions that should be taken into consideration when conducting further research or developing new applications.

In conclusion, overall this article is reliable and trustworthy due to its comprehensive coverage of existing studies on big data analytics related to controlling the spread of COVID-19; however there are some points that could be improved upon

# Topics for further research:

* Privacy concerns related to big data analytics
* Challenges of using big data analytics for COVID-19 control
* Solutions for overcoming challenges of big data analytics
* Limitations of big data analytics applications
* Potential risks of big data analytics applications
* Ethical considerations for big data analytics applications

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