Short Communication

iMedPub Journals
http://www.imedpub.com

British Journal of Research

2021
Vol. 8 No. 2

Robust AI Methodologies in Bigdata and IoT

Santosh Kumar Nanda

Techversant Infotech Pvt Ltd, Trivandrum, Third Floor, Yamuna, Tower II, Technopark Phase III SEZ Campus, Kulathoor, Thiruvananthapuram, Kerala 695583

Abstract

Speedy developments in hardware, software, and communication technologies have allowed the emergence of Internet-connected sensory devices that provide observation and data measurement from the physical world. In addition to increased volume, the IoT generates Big Data characterized by velocity in terms of time and location dependency, with a variety of multiple modalities and varying data quality. This AI trend will allow businesses to gain insight into their processes by using all the information contained in their system and creating an overall, real-time, and accurate visual model of all the processes. Throughout the last few decades, Big Data has become a perceptive idea in all the noteworthy technical terms. Additionally, the accessibility of wireless connections and different advances have facilitated the analysis of large data sets. Organizations and huge companies are picking up strength consistently by improving their data analytics and platforms. Intelligent processing and analysis of this Big Data is the key to developing smart IoT applications. It more important to use specific and proper data pre-processing tool to handle big data. Especially it is important to choose a distributive architecture to read the big data and then reuse it for machine learning model. In a world of advanced technologies where IoT and remotely controlled devices having top-notch protection is of critical importance. To make faster and safer IoT application, now researchers focused on wider application of machine learning in IoT. .

Biography:

Dr. Santosh Kumar Nanda currently working as VP of AI and Data Science Services in Techversant Infotech PvT Ltd. Dr.Santosh Nanda is a Ph.D. holder (AI Domain) from NIT, Rourkela. He is an eminent Data Scientist and AI researcher, strategist and thought leader having more than 15 years of industry experience. He is an expert technical and corporate leader recognized for delivering scalable and distributed software systems, resolving complex, mission-critical challenges, and managing varied stakeholders. His research interests are Soft Computing, Machine Learning, Artificial Intelligence, Image Processing, Prediction Methodologies (Regression, Statistics), Mathematical modelling, AND Pattern Recognition. He is a young research member of World Federation of Soft Computing, USA and Editor in Chief of International Journal of Artificial Intelligence

References :

- Lelieveld, J.; Klingmu, K.; Pozzer, A.; Po, U.; Fnais, M.; Daiber, A.; Mu, T. Cardiovascular disease burden from ambient air pollution in Europe reassessed using novel hazard ratio functions. Eur. Heart J. 2019, 40, 1590–1596. [Google Scholar] [CrossRef] [PubMed]
- WHO Ambient (Outdoor) Air Pollution. Available online: https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health (accessed on 29 September 2020).
- Hoffmann, B.; Moebus, S.; Dragano, N.; Stang, A.; Möhlenkamp, S.; Schmermund, A.; Memmesheimer, M.; Bröcker-Preuss, M.; Mann, K.; Erbel, R.; et al. Chronic residential exposure to particulate matter air pollution and systemic inflammatory markers. Environ. Health Perspect. 2009, 117, 1302–1308. [Google Scholar] [CrossRef] [PubMed]
- Nemmar, A.; Hoylaerts, M.F.; Hoet, P.H.M.; Vermylen, J.; Nemery, B. Size effect of intratracheally instilled particles on pulmonary inflammation and vascular thrombosis. Toxicol. Appl. Pharmacol. 2003, 186, 38–45. [Google Scholar] [CrossRef]
- Xing, Y.F.; Xu, Y.H.; Shi, M.H.; Lian, Y.X. The impact of PM2.5 on the human respiratory system. J. Thorac. Dis. 2016, 8, E69–E74. [Google Scholar] [PubMed]

Citation : Santosh Kumar Techversant Infotech Pvt Ltd, Trivandrum, Third Floor, Yamuna, Tower II, Technopark Phase III SEZ Campus, Kulathoor, Thiruvananthapuram, Kerala 695583; Women Health 2021; Oct 28-29, 2021 Osaka, Japan.