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SS290 Data in Our World – Introduction to Data Literacy

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October 31, 2022

Big Data is data with a great variety, arriving in increasing volumes, and more velocity, of information of the topic. Volume being data that has an unknown value, for example data feeds, or clickstreams. Velocity is how fast the data can be collected. Variety is the many types of data that is available. Big data is great to use because it gives you more information to get more answers.

The first article I looked at was ‘Analysis of Children’s Sports Evaluation Based on Big Data’, by Yin, Yue, and Wang, Kaizhen. This article is about the physical health level of children and how they monitor it using big data. When they use Big data, it gives them a evaluation of children’s sports and how they perform based on their physical fitness. With the increasing number of data, they have they can evaluate new challenges facing their fitness level, and come up with new ways to improve their health.

The second article I review was ‘Prediction of Sports Performance and Analysis of Influencing Factors Based on Machine Learning and Big Data Statistics’ by Wang, Panpan, and Liu, Jiangbo, and Liao, Benlu. This article is about using big data to analysis the results of a physical education survey. They used the data to help find more effective ways for students to exercise, so that they will be more interested to do it more often, and so that they improve their test scores a better their health.

The third article I reviewed is ‘A Dockerized Big Data Architecture for Sports Analytics’, by Ozguven, Yavuz Melih, and Gonener, Utku, and Eken Suleyman. This article is about how big data changed the way people analysis sports, and how companies use it because it supports them financially.

What can be an ethical issue acquiring information while using big data is the privacy of the information that is being used. With privacy being an issue data maybe exposed, and when that data is exposed, it can lead to leaks and data breaches, of peoples phone numbers, addresses, and other personal documentation. Consent can be another issue that can occur with big data. Not getting permission to acquire the data and analyzing statistics, and information can limit your research.

Using big data to help provide a better fitness level and lifestyle can be very beneficial, by having students in a healthy routine. Using this type of analysis to find information on a student’s physical form will help give a better insight to what they need to have a obtain a healthy fitness level.

Big data is a big volume of structured and unstructured data. Using big data can lead to better decision making, and help provide answers to questions, by getting a better insight of them. It can also help with productivity by analyzing the data, and doing that will find more efficient ways to complete you project or mission. Big data can also be evaluated to see the trends and find the potential in certain areas.

References

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