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Artificial Intelligence: An Ulterior Dominating Features In Sports Field

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Abstract: People are passionate about obtaining something new which would make their work easy and help them to solve their problems or making their work accurate. So it's better to avoid old techniques and to introduce new things not only for the satisfaction of our mind but also to create theories for obtaining appropriate and correct result for development and fulfillment of our necessities. The present study will point out those things which will prove that, how the people are accepting the technology of Artificial Intelligence (AI) in sports field in today's world and for this, by which it can be said that in future this machine intelligence will dominate the sports world. The paper denotes how the people are using the machine for their benefits and solving their problem easily. It can be analyzed from this paper that what should be the duty of the people to understand the real fact of the demands of Artificial Intelligence (AI) in present condition and what would be then the ultimate decision of human beings against AI, which in future can dominate our society where we are living and enjoying the sports. Excessive use of this intelligence can challenge the human being on the condition of unemployment problems, the lack of originality and natural creativity in work or morality in one way and on the other way it is also a fact of AI that, it reduces the errors in the working field, overcome humans limitation, gives correct and fast decision in solving problems and lastly satisfying the wants of human being involved in sports. _____

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Introduction

In the field of sports, day by day the research has been taking place for obtaining new such things so that human can fulfill their necessities, gain the knowledge to do the things or prove it by using new techniques for the betterment of the society. In sports field also for obtaining something new, researcher, scientist and the fellow person involved in sports are trying to achieve some new techniques for the demands of people involved in sports as well as spectators. Artificial Intelligence is among such things, intelligence or techniques by the use of which human beings in all over the World also have been benefitted. Artificial Intelligence (AI) is the intelligence of machines and the branch of computer science that perceives its environment and takes actions that maximize its chance of success at some goal. It's the capability of computer science that allows technology to imitate intelligent human behavior such as speech recognition, translating languages, interacting with the physical world through visual analysis and decision making. In sports field Artificial Intelligence mean the technology which evolve in the hopes to bring automation and increased data analysis to business decision, sponsorship activations, ticket sales, athlete training and many more. Artificial intelligence may be software that is capable of making its own conclusions on the way of reaching a goal. Now a days in the sports field it is very popular in the field of marketing, it can autonomously study customer data and generate customer specific context. It operates as Chatbot that carry on any type of communication with the customers. It writes various articles on various topics; also helps to track athletic performance, improve health and prevent fatigue or injury. Artificial intelligence also has a great background of development in sports performance. Artificial intelligence is a disruptive technology with widespread influence that may cause into a creative intuitive smart machine which can improve sports from both the marketing corner and the on-field corner. Artificial intelligence can improve the speed, quality, and cost of available goods and services. The falling prices of Robots, which can operate all day without interruption, make them cost competitive with human workers. Artificial intelligence with the help of machines is very advance than human in case to analyze and record the data. Machine can track players and calculate useful metrics without the need of human labor. Recently much software have been established to gain information about players involved in the game, the distance between them and the time taken for each pass is studied by a computer, which has analyzed video footage of games. The software is used to gain detailed performance assessment after each match. The software produces the best possible outcomes on the playing field from different angle.

Current application of AI uses in sports

Chatbots: A Chatbot or bot is a computer programs that mimic conversation with people using artificial intelligence. Chatbot is a service which is powered by rules and sometimes artificial intelligence by chat interface in the way through messenger like Facebook, telegram, kik etc. Chabot is basically uses for customer services, health care or information acquisition. Advantage-1.Via messaging it can be talked with 100 or even 100000 of customer.2.Easy to interact using a simpler interface.3.Chatbot delivers news and scores to fans.4. Chatbot boost ticket sales.5.It can be used like facebook chat through API.6. Easy to build and cost efficient.

Computer vision: Computer vision is a field of artificial intelligence and computer science that aims at giving computers a visual understanding of the World. Computer vision is an emergent technology that is embedded in different devices we use in our daily life. For ex- We can find it in any of the portable cameras in our mobile phones, tablet or photo cameras. Advantage-1.Improving broadcast2.Improving the training process of professional athletes.3.Automatic sports analysis and interpretation.4.Helping improving referee decision.

Automated journalism: Automated journalism or algorithmic journalism or robot journalism is journalism where news articles are generated by computer programs. Here without human reporters the machines through artificial intelligence software, stories are produced automatically. These programs interpret, organize, and present data in human-readable ways. Advantage-1.Provide information in quicker speed.2.Automated journalism is cheaper.3.Robot journalism does not make the same mistake twice. Wearable technology: Wearable technology is smart electronic devices that can be worn on a body, either as an accessory or as material used in clothing. Most wearable are wrist worn. Advantage-1.Wearable tech is useful for assessing performance.2.Potentially more fashionable.3.more discret4.Its more responding and keeps updated. Sensor data: Sensor data is the output of a device that detects and responds to some type of input from the physical environment. In sports field it is used to detect and collect information from physical being or sports person. Sensor data can be used to, monitor machines or infrastructure or it can be used to monitor natural phenomena. Advantage-1.Information of calorie intake, training levels, performance can be identified.2.Data that monitors personal metrics like heart-rate, weight, movement of athletes etc.3.Data also helps to reduce injury.4.It also entertain and gives knowledge about their favorite players.

Equipments

Two of the basic current equipments of AI uses in the field of sports are given below with images and description.





Swing Smart

Babolat Play: Babolot Play is a tennis racket technology in which the racket looks like a regular rackets from all side but in that the sensors are integrated into the handle allowing the player to collect the information and detect service speed, power, ball spin, style of stroke etc. The individual players by themselves points out the data and can be compared on a daily, weekly or a monthly basis to provide an idea of quality improvement in performance. It's a connected tennis racket. It is by the use of apps on our smart phones and computer; we can operate study and analyze our performance.

Swing Smart: Swing smart is quite similar to babolat play. It is a golf swing analyzer system engineered to provide golfers of all levels the opportunity to train like the pros. It's a Bluetooth wireless device which is used with the help of ipod, iphone for detecting the types of swing takes place during the stroke.

Upcoming trends

Day by day we all are reaching towards our goal by doing something new and creating something new. It is the effort of scientist and researcher that today in the sports field we are talking about artificial intelligence. Through the development of sports and technology we have achieved a lot and a few things are yet to achieve.

Something which are unaware of us in our mind and which are lacking in us, which cannot be done with our conscious mind or our hundred efforts are fulfilling our dreams by technology, by computer science or by artificial intelligence. Two of such items are given below.

1. AI Assistant Coach: Assistant coach as artificial intelligence could supply strategic insights that might elude even the savviest coach. Alan Fern, the professor of computer science is trying to launch artificial intelligence in the name as assistant coach which can understand the game of football and techniques and strategy for imparting accuracy and the power of analyzing common mistakes and improving plays at a faster rate than humans. He is trying to focus on machine learning which can collect lots of information and error by which can be solved easily.

2. Smart ticketing: Smart ticketing is a system where an entitlement to travel is stored electronically on a microchip rather than being printed on a paper ticket. In sports, smart tickets are a technology that allows ticket buyers to change seats, from game to game.

Demands of AI in sports

Just before five years, artificial intelligence was hidden beside human eye and interest. Now it is clear from the direction of the current trends that directly artificial intelligence is fulfilling the demands of human wants. Fans are very much exited to feel the development of technology and accomplishing their needs. Artificial intelligence holds great promise for future growth. Companies are realizing the need to go beyond just tracking data to converting it to meaningful insights that actually helps athlete meet their performance goal. The demand of AI has come into existence and it is becoming so popular that Olympic Committee's director of technology and innovation, Mounir Zok, has stated that wearable tech contributed to team USA earning 121 medals at the 2016 summer Olympic Games. The chat bots market is also estimated to grow to over 3 billion dollar by 2021.

As because AI can predict winning team, predict team dynamics, familiarize venue operations, on the industry including sports industry are also taking advantage of this technology. According to the survey conducted by the IBM Institute for Business Value and Oxford Economic that nearly 73% of CEOs agree that cognitive computing/AI technologies will play a key role in future business. Almost half of those surveyed will be ready to adopt this technology by 2019. AI had great demands in the country like UAE where the Government is giving priorities to this technology and is being planning to use it for its future development in a progressive way.

Ethical value of AI

Artificial intelligence which plays as robots will be more ethical than human being. we the human may sometimes during working in the field of sports feel tired, biased, corrupted, racially involved or something else but robots with no such empathy and their big brains and even bigger hearts can solve all the problems which sometimes human being does not. Sometimes human beings have some limitation to solve the critical problems related to sympathy and feelings and code of conducts but our machine need not hesitate while doing this. They will act in accord with whatever moral or ethical code we provide them and the value determination that we set. They will run the numbers and do the right things. In emergency situation in certain dilemmas machines works better than us. Ethics is quite different from morality, ethics are set of rules, usually created by a professional association scientists, coaches, doctors', who wish to create a uniform code of practice and certainly the robots who have been given certain code of conduct follow the same thing without showing any morality like humans do to think and use their individual principles which is right or wrong.

II. Conclusion

At last from the above discussion it can be concluded that in sports field humans are totally dependable on AI as because the sports industries with the help of scientists are providing all the necessities to the humans and fulfilling all the wants which need to them. They are developing and introducing new technologies with equipments for the people those involved in sports. So at last it can be said that ultimately to fulfill the passion, wants, ideas demands and necessities of human beings involved in sports AI have shown its illusion in the brain and heart of the people and in future it will come in the way of existence to dominate the world where sports live.

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