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Submission author:	nawaraj tamang
Assignment title:	Essay
Submission title:	Data Visualization for Decison Making
File name:	Data_visualization_for_Decision_making.pdf
File size:	78.65K
Page count:	4
Word count:	2,019
Character count:	11,957
Submission date:	07-Jan-2024 12:01AM (UTC+0545)
Submission ID:	2267314881

Data Visualization for Decision Making

The Internet of Things is today's most crucial thing in world. Even though Internet of Things is most crucial thing in world, everything is related with data, which is collected by smart sensor, which are small computer which have access of network, embedded CPU, firmware, and limited amount of store, this device collects data and send it over backend for analysis of data through internet protocols like the internet. In the backend data is analysis visually, data on this like a puzzle with many pieces, if we just look at the raw data manually, it will be difficult to see the whole thing, but data visualization is a way to put all the raw data together and clear, instead of just looking through the integers and character, decision-makers get to see a sheet of information in the form of table, or diagram which will make it understandable on what going on. Data visualization is like under advance swimming goggles for data, these goggles assist us to see any malformation or exception that is happening in the information. Data visualization is like using Encase instead of autopsy to make best optional use in the smart devices. Using data visualization makes decision-making a whole lot easier.

Importance of Data Visualization for Decision-making cannot be emphasized. Data Visualization is like converting raw data into useful information and decision maker is like understanding complex data based on information that is provided. The visual representation is like converting raw data into clear and understandable information, which helps us to look at things which we might have missed in the raw data, like spotting hidden patterns. Also, data visualization is like taking notes of your findings, making it easier for decision makers to share and work-together, in short form data visualization authorizes decision maker to communicate with their findings properly. While the data is shown visibly engaging along with simply readable format, decision makers can more accurately make informed decisions which are backed by proof and study. In the end data visualization upgrade decision making by supporting with a extracted information from raw data collection.

In this century, data visualization allows us to find information from raw data that is collected by IoT devices (sensors). This device collects real-time data which should be examined almost immediately. Data visualization allows real-time monitoring console, alert console, reporting and others which is in human interface, helping user to operate IoT infrastructure. Data visualization also allows a company to locate key performance indicators, finding irregularities and retaliate quickly in difficult situations. Real-time data visualization permits companies to make instructed choices and take punctual steps.

Data visualization applications give you advance services that allow users to research and examine Internet of Things data in detail. These services include filters, breakdown capacity and modern visual presentation. With collaborative data visualization, users can expose concealed information, achieve root source examination, and obtain huge information on understanding of internet of things data.

Data visualization clarifies multiplex process data, authorize decider to rapidly grasp the indication of data that has been collected by IoT devices like small sensors. Visual presentation allows collaborators to understand the whole event, examine more then one data at the same time, and makes it knowledgeable steps. This will guide to successful systematic, lessen feedback moment, better results.

Data visualization is uppermost main on the Internet of Things fields. This helps companies to research and examine hardcore raw data that has been collected through sensor in real time, which will be later become one of the useful pieces of information and the potential for the growth of the company inventions.