



How Are Big Data and IoT Interrelated?



Before we go ahead and explore the correlation between Big Data and IoT, you must know that there is a lot of emphasis on data. Companies are spending a considerable amount to extract data and analyze it. Due to this, there is a growing demand for Big Data experts who can render the best solution related to data analysis. Big Data vertical and [IoT certifications](#) have become popular career choices. When it comes to data, then it is estimated that by 2025, we will have to be amassing 175 zettabytes of data. And companies would be needing big data experts and data scientists to assess and analyze this data. Shifting back our focus on the interrelation between big data and IoT, let's explore how they are related and what prospects it holds for the future.

Big Data and IoT-

The IoT sensors continuously amass a large volume of data, and this data needs the proper assessment and analysis to draw the right inferences. There is a need for a system that can handle this large volume of data. The system should be able to gauge through this data and should be able to draw actionable insights. Big data certification or [IoT training](#) can prove beneficial here. Many companies are not going for Big Data training programs for their employees to upskill themselves and leverage this technology to their business operations.

We are living in the era of connected devices where you can find so many uses of these devices in our daily life. By 2025, it is expected that the number of connected devices will reach up to 26.66 billion. With so many connected devices around you, you can expect such a large volume of data that they will amass. But most of this data will be scattered, and hence, there will be a need for a Big Data expert who can assess and analyze this large volume of data and draw the right inferences from the same.

In the end, the objective is to harness all the data coming from the sensors and other resources to find out patterns and correlations in real-time, which can positively impact the businesses. The present Big Data technologies need to be escalated and modified to effectively store, manage, and extract value from the data that will be continuously flowing from the sensors. For example, it is expected that cars will be sending 25 gigabytes of data to the cloud every hour. Now the biggest challenge of Big Data expert is to make sense of this data.

Why should you go for Big Data training and IoT training?

From the above piece of information, we can conclude that Big Data and IoT will impact the job market, and hence, we will witness a growing demand for such individuals who are experts in this domain. As per IBM, the number of jobs for data professionals in the U.S. will increase by up to 2,720,000 by the end of 2020. So, you can see that the job opportunities for people having these skills are going to increase.

As per Forbes, many enterprises have adopted Big Data, and the adoption rate has boosted from 17% in 2015 to 59% in 2018, with a CAGR of 36%. It indicates that Big Data is spreading its wings and across different sectors like marketing, research, sales, and strategic management, etc.

As the 'Peer Research – Big Data Analytics' survey by Intel, Big Data is one of the top considerations by the companies that took part in this survey. These companies believe that Big Data can help in improving the performance of the businesses. Around 45% of companies believe that Big Data will offer more business benefits to rank high.

With all this, and much more in the field of Big Data and allied technologies are going to help the companies grow and form strategies that are more beneficial for the business. Since the number of IoT devices is going to increase with time, there will be a need for data experts who can study this amassed data and find a solution for the same.

What next?

It won't be wrong to claim that Big Data is the next big thing, and we are going to see some great advancements in this field. This is going to lead to a higher demand for experts in this domain. With the help of the right knowledge and conceptual learning, leveraging this technology will become easier. If you, too, are willing to make a career in this field, then going for [Big Data certification](#) and IoT certification is a must. These are a must learn certification program that will equip you with the latest knowledge and information. Choosing the right learning platform is equally essential; Global Tech Council offers you a profound learning platform to help you become an expert in IoT and Big Data. If you are a working professional and want to brush up your skills, then the Big Data training and IoT training by Global Tech Council is the right choice.

As per the report of t McKinsey report, companies based in the U.S. are actively looking for 1.4 seeking for hiring 1.5 million managers and Data Analysts who have strong knowledge about Big Data; by attaining certification in this field, you can make up to the list of most sought-after skills in the market.