Data science can help organizations understand

their environments, analyze existing issues, and reveal previously hidden opportunities.

Data scientists use data analysis to add to the knowledge of the organization by investigating

data, exploring the best way to use it to provide value to the business

the role of the data scientist becomes that of a storyteller, communicating the results to

the project stakeholders. Data scientists can use powerful data visualization tools

to help stakeholders understand the nature of the results, and the recommended action

to take. Data Science is changing the way we work;

it's changing the way we use data and it’s changing the way organisations understand

the world.

Story-telling

your data, take your information and put it in the Cloud, put it in a central storage system. It allows you to bypass the physical limitations of the computers and the systems you're using and it allows you to deploy the analytics and storage capacities of advanced machines that do not necessarily have to be your machine or your company's machine. Cloud allows you not just to store large amounts of data on servers somewhere in California or in Nevada, but it also allows you to deploy very advanced computing algorithms and the ability to do high-performance computing using machines that are not yours. Think of it as you have some information, you can't store it, so you send it to storage space, let's call it Cloud, and the algorithms that you need to use, you don't have them with you. But then on the Cloud, you have those algorithms available. So What you do is you deploy those algorithms on very large datasets and you're able to do it even though your own systems, your own machines, your own computing environments were not allowing you to do so. So Cloud is beautiful. The other thing that Cloud is beautiful for is that it allows multiple entities to work with same data at the same time. You can be working with the same data that your colleagues in say Germany and another team in India and another team in Ghana, they are collectively working and they're able to do so because the information, and the algorithms, and the tools, and the answers, and the results, whatever they needed is available at a central place, which we call Cloud.

What do DS do?

Lesson Summary

In this lesson, you have learned:

* The typical work day for a Data Scientist varies depending on what type of project they are working on.
* Many algorithms are used to bring out insights from data.
* Accessing algorithms, tools, and data through the Cloud enables Data Scientists to stay up-to-date and collaborate easily.