



## STUDENT ACTIVATION

# Data Science Manager

### Data:

facts and statistics collected for reference or analysis.

### Data Science:

a field of study that combines math, computer programming, and other disciplines to make sense from large amounts of data.

In today's digital world, giant amounts of information are created every single second. Another name for this information is **data**. Imagine how your company could use data to improve its goods and services? How can you make sure that customers' data is safe and secure? How do you make sense of it all? You hire a **data science manager** to lead the teams that will achieve these goals.

## WHAT IS A DATA SCIENCE MANAGER?

A **data science manager** leads a **data science** team. These teams are made up of people with different roles and specialties. The teams are often made up of people with different jobs and specialties. The job of the managers is to keep projects running smoothly by ensuring team members are keeping up with their work and working together. Data science managers help resolve conflicts and problems within their teams. They share the conclusions and ideas of their teams with others in the company. They have a good understanding of the roles and responsibilities of everyone on the team.



# Data Science Manager

STUDENT ACTIVATION (Continued)



## IS THIS A GOOD CAREER FOR ME?

Me	Data Science Manager
I am a strong leader and enjoy working with others.	They are leaders and enjoy working with teams.
I am organized and help others stay organized as well.	They support others to keep them on task.
I enjoy explaining things in concise and effective ways.	They are strong communicators.
I am interested in school subjects like statistics, math, and science.	They study computer science, calculus, and statistics.
I have a curious mind. I like to predict and solve complex problems.	They are curious problem-solvers.

**Hacker:**  
Someone who tries to get into your computer or device without permission.

How can a Data Science Manager help me?	How can a Data Science Manager help the world?
A data science manager helps customers like you stay safe while engaging in many different online activities. They help create programs to prevent <b>hackers</b> from stealing or misusing your personal information.	Data is a valuable asset. A data science manager helps ensure that data is used in ways that benefit people around the world. They also work to deter those who would steal others' data and identity.

## WHAT ARE SOME SIMILAR CAREERS?

**Director or Vice President of Data Science** is always coming up with new ideas for how to manage and use data. They often work with teams in several departments and have a higher-level perspective than a manager. They work to guide the company to generate, collect, and organize critical data and to make data-driven decisions across the business.



# Data Science Manager

STUDENT ACTIVATION (Continued)



## HERE ARE SOME WAYS TO PRACTICE THE SKILLS NEEDED TO BE A SUCCESSFUL DATA SCIENCE MANAGER:

- Take on a leadership role in your school or community.
- When working in a group, volunteer to be the project manager, creating a timeline, monitoring checkpoints, and providing assistance for all team members to be successful in completing their tasks.
- Think of a skill or activity in which you consider yourself an expert. Then write out how you would explain it in simple terms to someone with no experience or create a "how-to" video.



## DO YOUR OWN RESEARCH ON THE TOPIC OF DATA SCIENCE

How can we help people make sense of data? How can we use data to make the world a safer and healthier place?



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