



STUDENT ACTIVATION

# Data Science Manager

## DEFINITIONS

### 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. How can your company 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 charge to 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 job of the Manager is to keep projects running smoothly. They ensure that everyone on the team manages their responsibilities and collaborates. Candice's team meets each day to discuss their progress and help each other solve the problems or "roadblocks" that they face. Data Science Managers also help resolve the problems that arise within a team. They also share their team's conclusions with others in the company.

## IS THIS A GOOD CAREER FOR ME?

| Me  | Data Science Manager                                 |
|---|--|
| I like to work with other people.                                     | Leads a team.  |
| I am organized and help others stay organized as well.                | Supports others to keep them on task.                |
| I listen. I help others talk to each other with kindness and clarity. | Helps diverse groups to communicate with each other. |
| I encourage others and cheer them on.                                 | Coaches and supports others.                         |

# Data Science Manager

STUDENT ACTIVATION (Continued)



|   |  |
|---|--|
| I understand that solving a problem together can be better than solving it alone.                                   | Solves complex problems with a team.                 |
| I can explain complicated ideas in simple language.   | Takes technical ideas and makes them comprehensible. |
| I put myself in others' shoes during a conflict. I seek to understand their perspective and find a viable solution. | Demonstrates strong conflict resolution skills.      |



| How can a Data Science Manager help me?  | How can a Data Science Manager help the world?  |
|--|---|
| A <b>Data Science Manager</b> helps customers like you stay safe while engaging in many different online activities. They help create programs to catch the "bad actors" trying to steal or misuse your information. | Data is a valuable asset. A <b>Data Science Manager</b> 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**—A Director 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.

## 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, practice encouraging others and helping to keep them on task.
- If you speak another language, look for opportunities at school or in your community to help people communicate with each other.



# Data Science Manager

STUDENT ACTIVATION (Continued)



- Cheer your friends, classmates, or family members on at a sporting event or performance.
- Draft a list of things you admire about a friend or family member. Take a moment to share the list with them.
- Work on building up your stamina for tough math and science problems or long essays. Rather than giving up, seek help or take a break.
- Think of a skill or activity in which you're an expert. Then write out how you would explain it in simple terms to someone with no experience.
- Develop strategies to help others listen to each other and resolve problems. Seek out training in peer conflict resolution.



## 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?



---

---

---

---

---

---

---

---

---

---

