

JOB SPOTLIGHT

Data Scientist

INDUSTRY GROWTH -
STRONG

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▶SEARCH▶

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COLLECT
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ponder

Data Scientist

Use data to improve real-world outcomes

Data scientists are professionals who engage in a process of collecting, analysing, and interpreting substantial datasets to extract valuable insights and support decision-making. They employ a combination of computational skills, statistical methodologies, and domain knowledge to tackle complex problems and discover meaningful patterns within data.

If you're great with numbers and enjoy solving puzzles, a career in data science could be perfect for you.

Industry

Most Data Scientists work in the Professional, Scientific and Technical Services industry.

Outlook

There is strong growth expected over the next five years.

Salary

Most Data Scientists earn an above average salary.

Career Cluster

Data Scientists are usually Innovators.



About you

Excellent problem solver
 Analytical and logical
 Strong maths skills
 Good communicator
 Programming knowledge
 An eye for patterns
 Willing to learn
 Great collaborator

Common tasks

- Gathering data from various sources
- Ensuring data is accurate
- Using tools to analyse data
- Looking for patterns and trends
- Teaching computer models
- Using models to make predictions
- Visually representing findings
- Using data insights to improve processes and performance

About the role

As a Data Scientist, you will be working mainly indoors, most commonly in offices and laboratories, but there may be some opportunity to work out in the field directly collecting data.

Most Data Scientists work full-time, and part-time and casual roles aren't very common. They often work for tech companies, government and the public service, and research institutions.

Many Data Scientists earn an above average salary throughout their career.

Data scientists are generally more common in metropolitan areas or urban centres - but as technology advances and remote work becomes more common, opportunities for data science roles in rural areas or smaller towns might also increase.

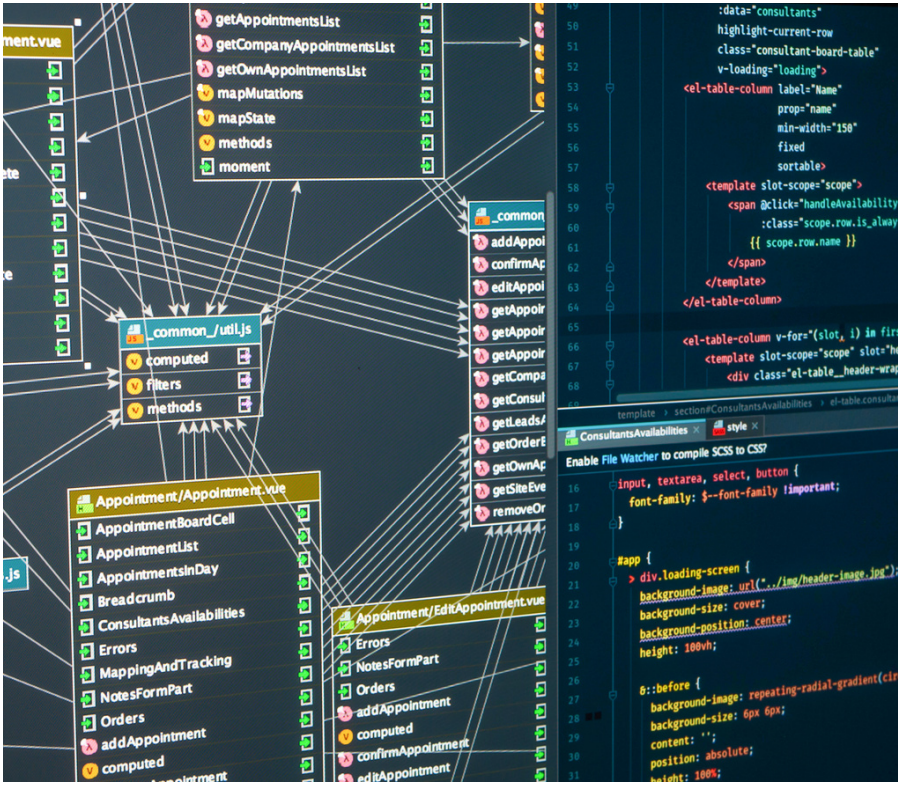


Things you can do now

- 1 Find work experience in tech or STEM
- 2 Build your problem solving and maths skills
- 3 Research qualifications and courses
- 4 Talk to someone who works as a Data Scientist
- 5 Take classes to learn programming skills

Future study ideas

To become a Data Scientist you will need to complete a relevant university degree, such as in mathematics, statistics, or computer science.



What next?

Take classes or workshops to learn essential programming skills and languages (particularly Python, R, and SQL) and become familiar with data visualisation programs like Excel and Tableau. These are all things you'll be using throughout your career.

Find work experience or volunteering opportunities that can help you build your analytical and problem solving skills. You might even be able to help with a real-world project you can add to your portfolio or resume.

Data science isn't
about the quantity
of data but
rather the
quality.

JOO ANN LEE
DATA SCIENTIST



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