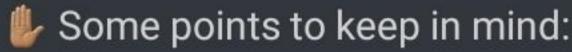






Lesson takeaways

Lesson, module and course completed, high five!



The data science industry is growing quickly.
There are opportunities for everyone

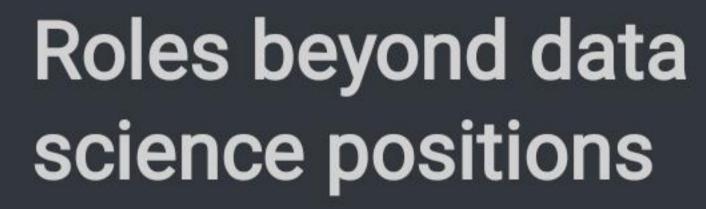
Most of the technical roles require a solid understanding of coding and statistics.

Other non-technical positions are a great way to break into the industry.



What course are you going to take next? Click on the comments to share your thoughts and connect with your peers.

COMMENTS



Coding skills are required for the technical data roles you learned about. There are also plenty of opportunities for people from non-tech backgrounds:

- Oata product manager
- Oata strategy consultant
- 🎯 Data ethicist
- Technical writer

Ш

Taking one of these roles can be a great gateway to breaking into the data science industry.

17 COMMENTS







Data engineers lay the foundations for a smooth data analysis process. They manage the design and maintenance of the database architecture and data processing systems of a company.



Anyone interested in starting a career as a data engineer should start learning about SQL and a programming language like Python or Java.

10 COMMENTS

CONTINUE

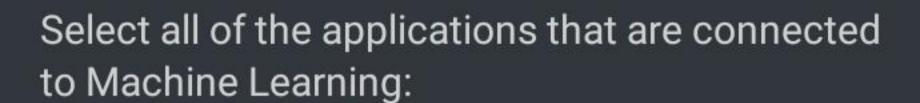
Ш



¥{ (#) 49 ... 63% ■







Select all correct answers.



Text autocorrect



Recommendation systems



Face recognition



|||

Maps and navigation

13 COMMENTS

Smashed it







Today, most AI applications are actually Machine Learning solutions and when people talk about AI and Machine Learning, they might be referring to the same thing.

Artificial Intelligence

Ш

Machine Learning

14 COMMENTS



₹ (₩) 45 ... 64% =

Drag and drop to match the skills with the professionals:

Reports and visualizations:

Data Analyst

Advanced techniques like machine learning:

Data Scientist

COMMENTS



Ш



3 in a row!

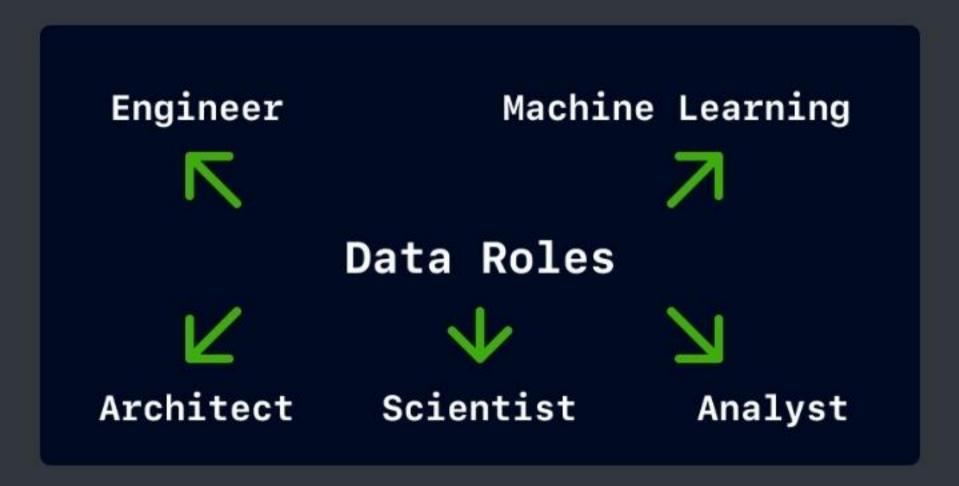






Careers in data

Data has become one of the most important resources in the digital economy. Companies around the world are working to find the right talent to leverage the power of data. As a result, jobs in data have become in-demand and prospective careers.



In this lesson, you'll explore the different data roles. Let's get started!

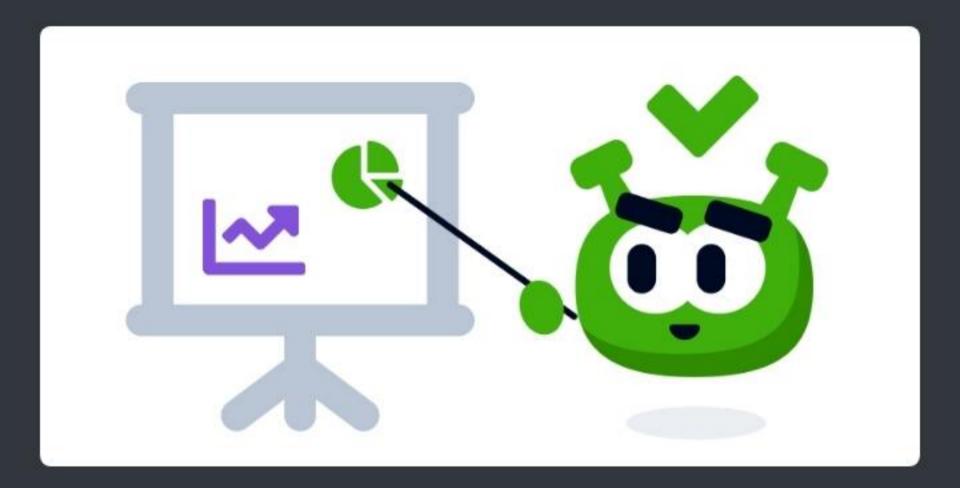
12 COMMENTS





Communicating and Presenting Results

The last step of the data analysis process is communicating your findings.



This is where your communication skills will come in handy. At this stage, data visualization and data storytelling will help you turn data insights into actions.

15 COMMENTS







Data rarely comes in ready for analysis. Raw data is often messy and dirty. Some of the most common problems with data are:

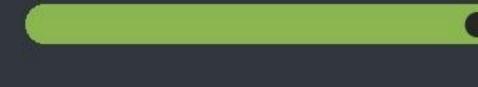
- **6** Missing values
- **©** Duplicates
- Incorrect data type
- Mandling anomalous and extreme values (also called outliers)





Ш

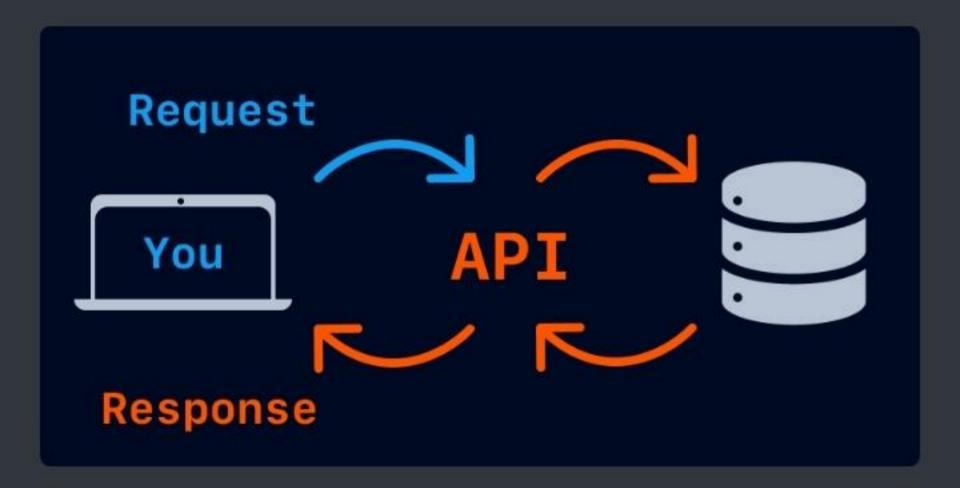
10 COMMENTS



💚 :

Collecting Data: APIs

Servers are databases that are always connected to the Internet. You can use an Application Programming Interface (API) to request information from servers.



Web APIs open a door to data from a third party platform over the Internet. There are APIs for Facebook, Youtube, Wikipedia and pretty much every other platform.

COMMENTS



There is a vast ocean of information on the Web. Web scraping allows you to extract information displayed on web pages.



There are software tools that can help you scrape the Web. If you know a bit about HTML and can code in a programming language like Python, you can get more control over the information that you can extract from the web pages.

28 COMMENTS

That's it!





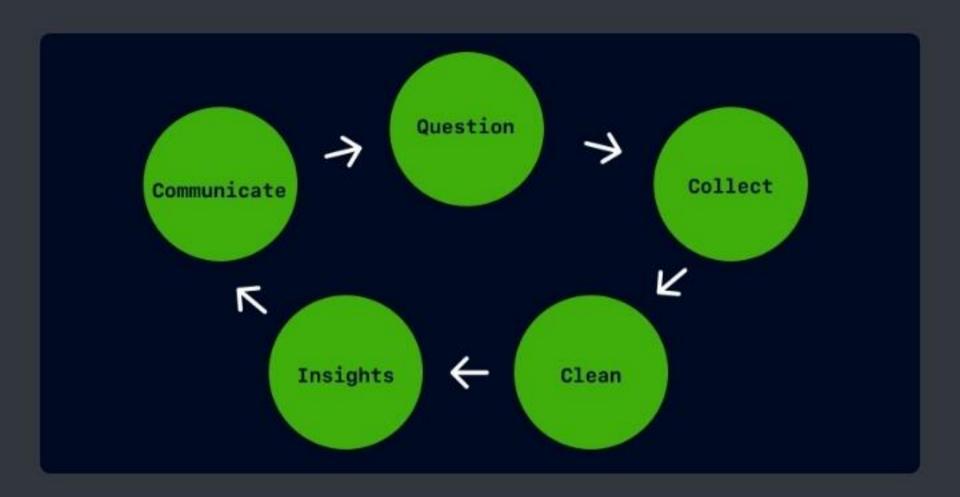


The data analysis process defines the 5 steps required to analyze data:

- **6** Ask the right questions
- © Collect the data
- **©** Clean the data

Ш

- @ Explore data to finding patterns and insights
- **©** Communicate and present results.



11 COMMENTS

Patrice has downloaded geospatial data for the city of Barcelona, as well as the locations of English language academies. She noticed that there are some quality issues with the data. In particular, there are some duplicate academies in the records and some street names are very old and need to be replaced with new ones.

What would be the next step?

Explore data to find patterns and insights

Clean the data

5 COMMENTS

Job well done

CONTINUE

Ш



Working with a single table:

Dealing with complex relationships

ANSWER

CHECK

situations:

spreadsheet

database

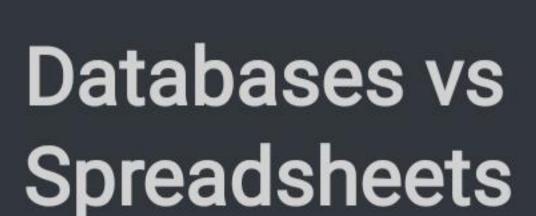
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between data types:

Choose the right tool for each of the following







You might have used spreadsheets like Excel to work with data before. How do they relate to databases?

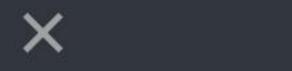
Databases are better suited to store larger and more complex collections of data. Spreadsheets are useful for quick visualizations and summaries of data.



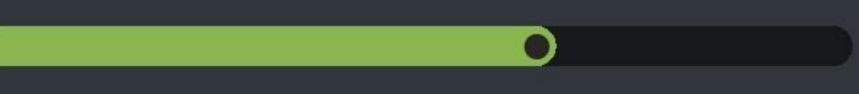
18 COMMENTS

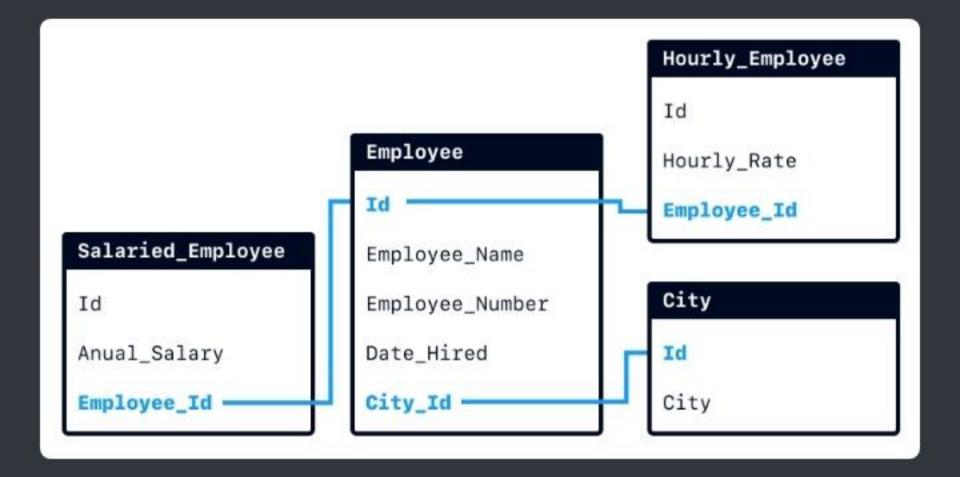
CONTINUE

Ш









Select all correct answers.

Names of the employees that were hired in January 2021

Number of employees that cycle to work



Number of employees that live in the city of London

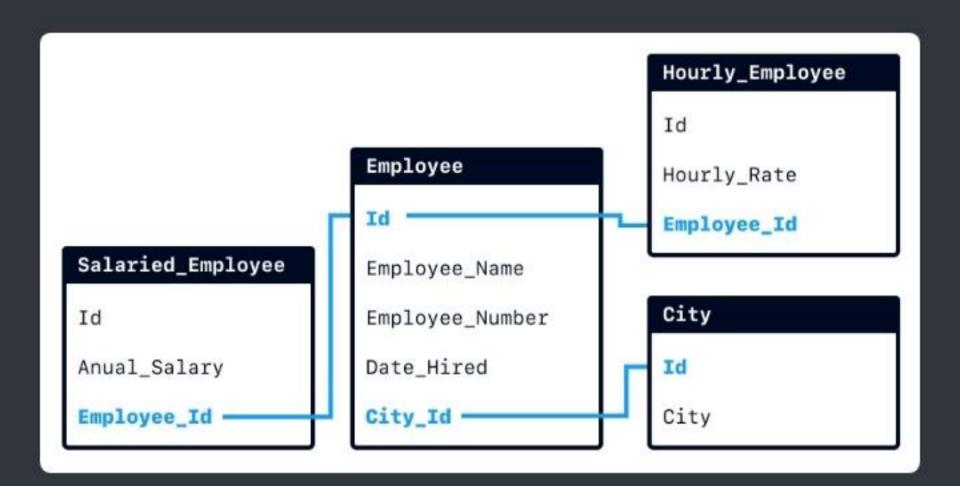
15 COMMENTS

You rock!





The number of records in the tables is not shown in a database schema.



Why do you think this happens?

The number of records in a database is always the same

Databases are designed to store new records. The number of records changes as new data is added to the database

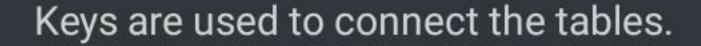


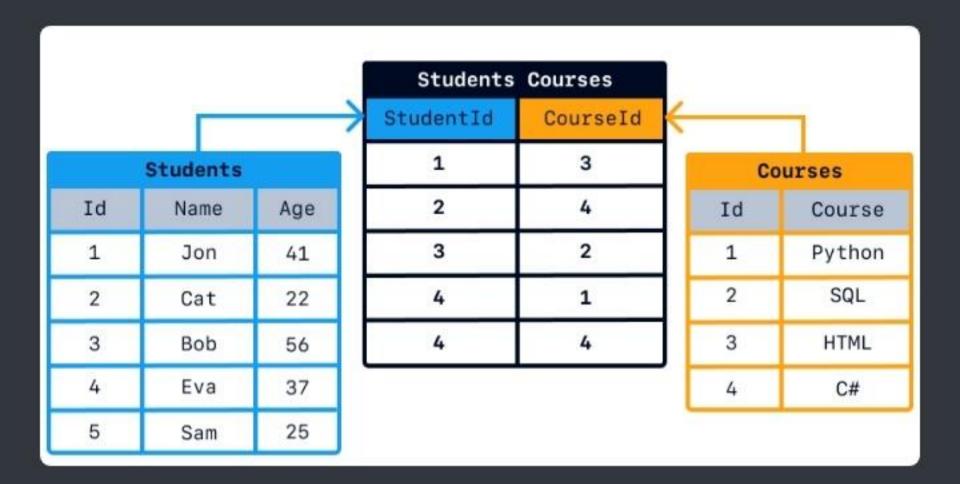
ANSWER

CHECK









Which field in the **StudentCourses** table is used to connect to the Courses table?



StudentId



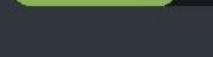
Ш

ANSWER

CHECK







Databases

Databases store, organize and give easy access to data.

A database contains related data in an electronic format. The relational database is the most common type. Data in a relational database is stored in tables with rows (records) and columns (fields).

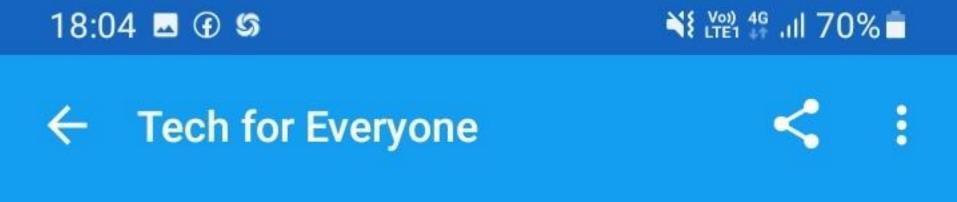


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ID	Name	e-mail
1	Jon	jon@mail.com
2	Cat	cat@mail.com
3	Bob	bob@mail.com
4	Eva	eva@mail.com







JS

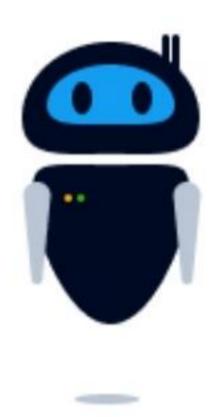
OUTPUT

The Dancing Robot

CSS

HTML

Click on the buttons to move the robot.



III

Left Right

← Tech for Everyone





HTML

6

CSS

JS

OUTPUT

```
<h1 style="color:mediumpurple">The Dancing Robot</
  h1>
  Click on
2
  the buttons to move the robot.
  <img id="robot"</pre>
3
  src="https://blob.sololearn.com/courses/robot-c
  . jpg">
  <button
4
  onclick="robot.src='https://blob.sololearn.com
  /courses/robot-l.jpg'">Left</button>
  <button
5
  onclick="robot.src='https://blob.sololearn.com
  /courses/robot-r.jpg'">Right</button>
```

TAB

<

>

/

=

"

RUN





(3)

•

Imagens

Vídeos

Shopping

Notícias

Livi

Quais são os alimentos de mais fácil digestão?

Alimentos de fácil digestão

- · Vegetais cozidos.
- Aves e peixe.
- · Laticínios.

18 de set. de 2019



https://vitat.com.br > alimentos-de-f...

Alimentos de fácil digestão - Vitat

MAIS RESULTADOS

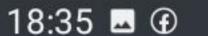
Qual o alimento mais difícil de ser digerido?

Abacate, agrião, alho, alimentos gordurosos, banana d'água, batata-doce, bebidas gasosas, bebidas fermentadas tipo cerveja, brócolis, carnes gordas, cebola, creme de leite integral, couve-flor, couve, doces concentrados, embutidos, fava, feijão, frutas oleaginosas, goiaba, grão-de-bico, jaca, lentilha, melão, melancia, ...

https://www.adrianalauffer.com.br → ...

Ш

Alimentos de difícil diaestão - Nutricionista



¥{ [₩] 46 .ii 85% ■



Fill in the blanks to create a class with a method called "myFunc" that takes no parameters, returns void, and prints "Hi" to the screen.

```
public class MyClass {
  public void myFunc () {
   System.out.println(''Hi'');
  }
}
```

7 COMMENTS

Great job.

CONTINUE

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