

REAL-WORLD PROBLEMS



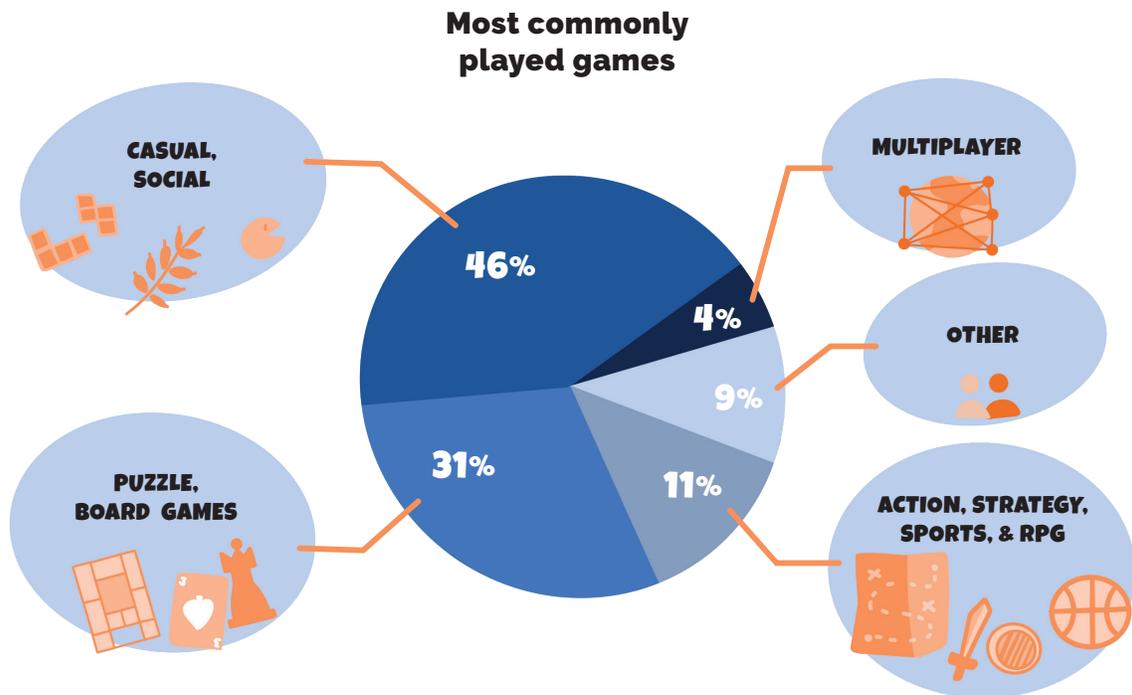
Data scientists use data and similar methods to solve larger problems that affect more people.

Try the activities below.
Use data to answer the questions.



question

Which type of video game should a company create?

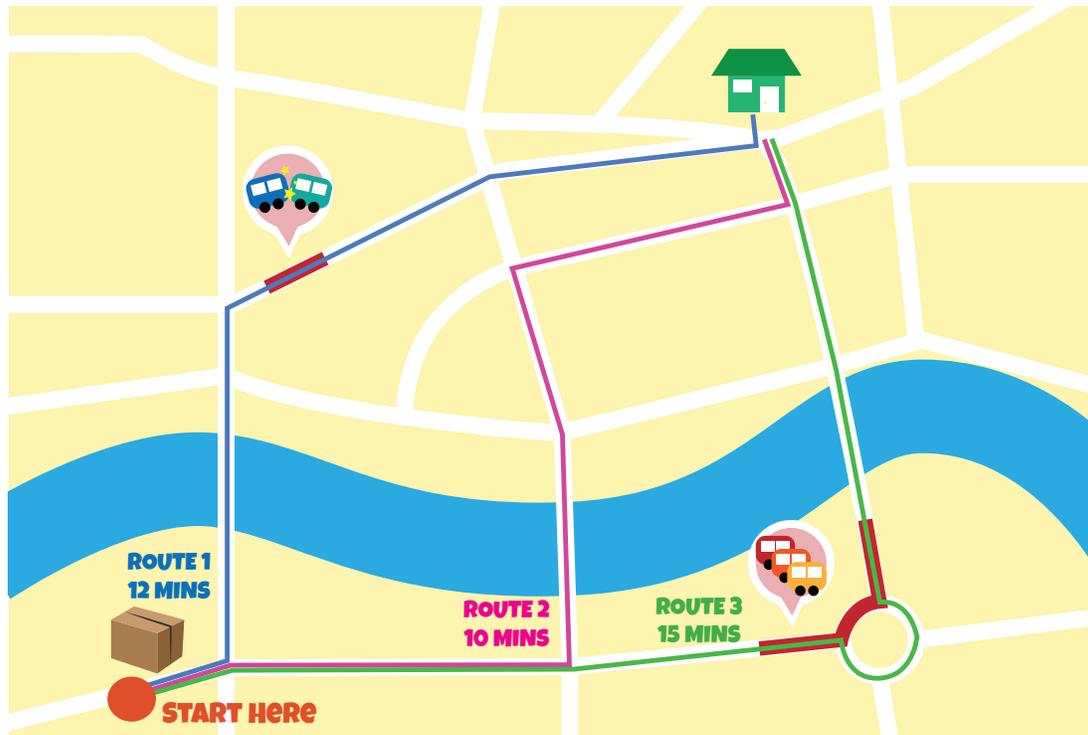


ANSWER

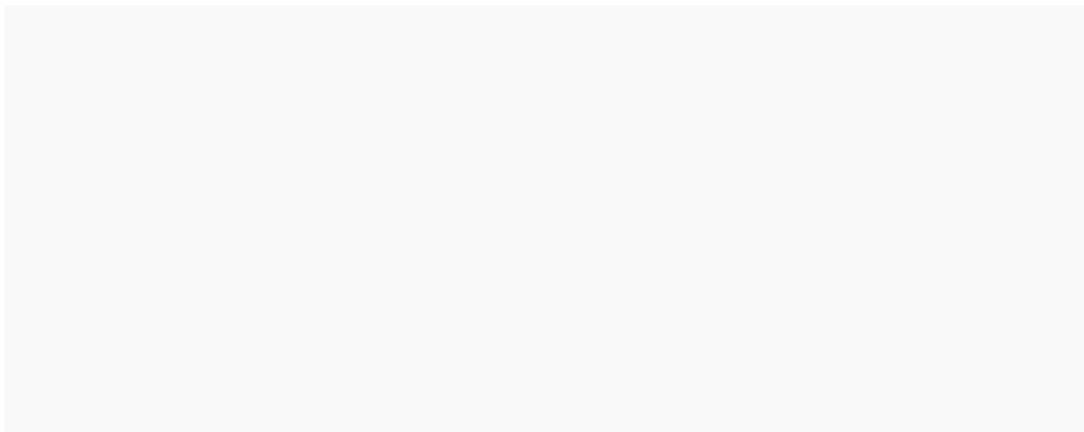
Blank area for the answer.

question

How does data help my deliveries arrive faster?



Answer



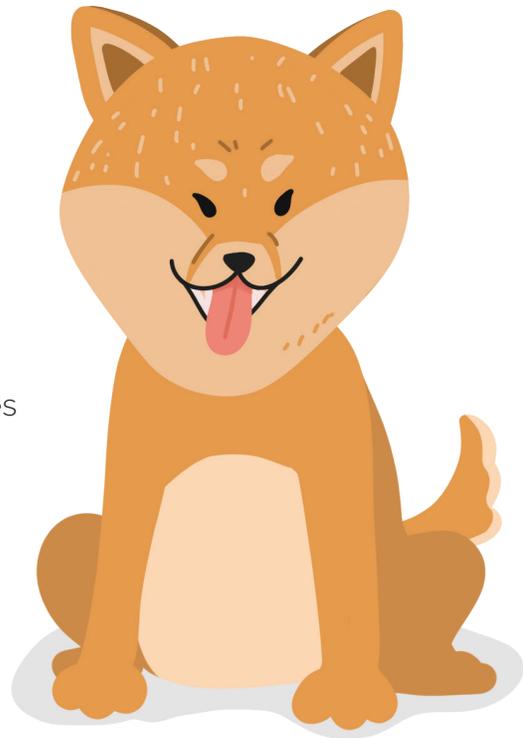
question

How can I use data to identify a dog's breed?



Hint:

What are some of the features of each breed?

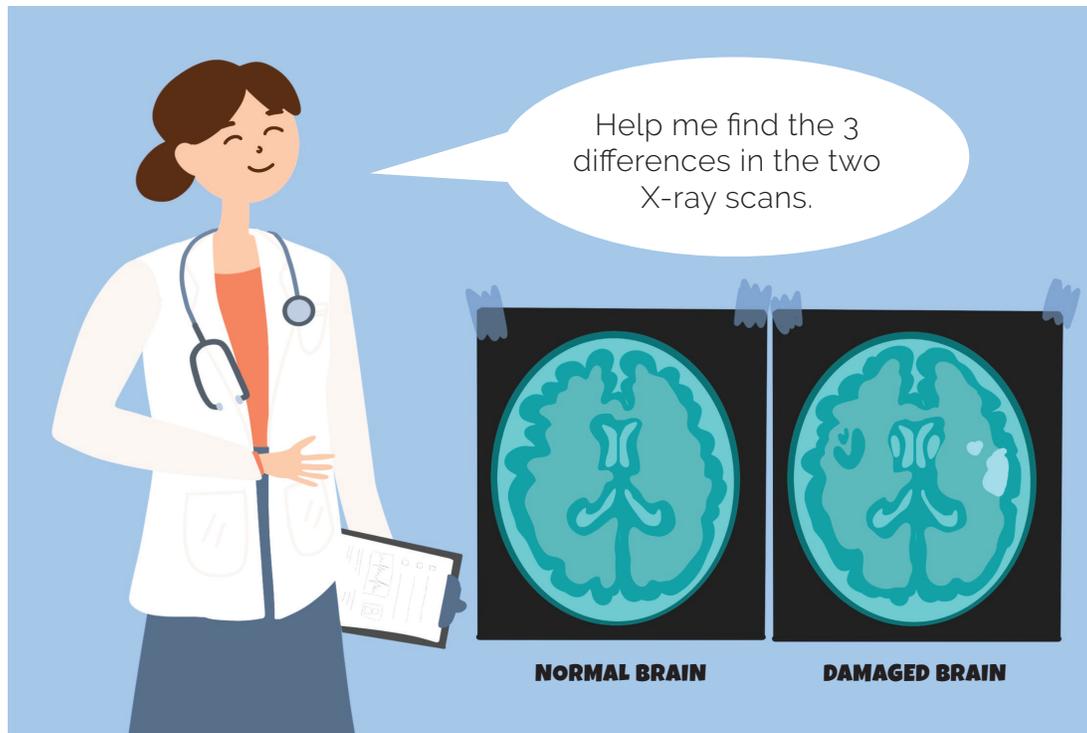


Answer

A large, empty rectangular box intended for the user to write their answer to the question.

question

Can data science help cure diseases?



Answer

A large, empty rectangular box intended for the user to provide their answer to the question.

question

How do we decide what food to take to space?

	mass (how much space does the food take up)	calories (how much energy can it provide)
 FOOD A	100	200
 FOOD B	50	150
 FOOD C	200	250



Answer

question

Can you think of one question that you want to answer with data?

My question is:

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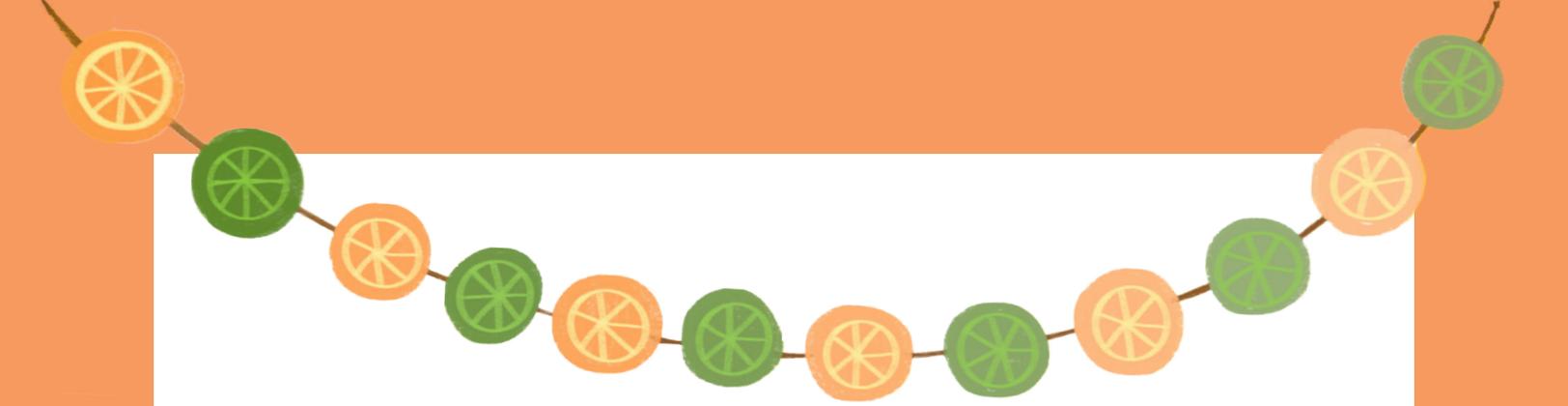
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GLOSSARY

Bias (Data bias): The available data does not fairly represent the people or objects in the study.

Classes: The different groups that we sort things into.

Data: A collection of facts or things you know, such as numbers, words, images, or just descriptions of things.

Input: Information given to the computer. In computer science, inputs are usually data you wish to analyze.

Labeled data: Information that has been tagged with one or more labels, such as a picture of a cat with the label "cat".

Output: Data generated by a computer. In machine learning, outputs are predictions generated by the model. Usually, output changes when the input is changed.

Predict: To guess about what you think will happen.

Self-driving cars (autonomous car): A vehicle that is capable of sensing its environment and moving by itself.

Unlabeled data: Data that comes with no tag. For example, a picture of a cat without the label "cat".

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