

Infrastructure Dilemmas - Cloud vs On-Premises AI Infrastructure

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Course Outline

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Daily XP 0

The unsupervised intruder

Both supervised and unsupervised learning encompasses a wealth of techniques to solve various problems and tasks.
Now it's time for you to distinguish between problems solvable with supervised learning and those addressed by unsupervised learning.
The following list of supervised learning uses has an "intruder": which of these four problems should actually be solved under an unsupervised setting?

Answer the question

50XP

Possible Answers

Select one answer:

☒ Estimating a wine price given characteristics about its chemical properties

PRESS 1

☐ Forecasting the daily petrol price per liter along the next week, given last year's daily prices

PRESS 2

☐ Given a collection of dog pictures, identifying the dog breed each one belongs to

PRESS 3

☐ Detecting unusual peaks in the EUR-GBP currency exchange rate

PRESS 4

Take Hint (-15 XP)

Submit Answer

Question

Viewcorp, a company specializing in AI-driven solutions for surveillance, is trying to understand the differences between cloud-based and on-premises AI infrastructure. They asked four advisors their opinion about these two modalities, but only one of them provided a reliable and truthful opinion!

Which of these statements best describes the key difference between cloud-based infrastructure and on-premises AI infrastructure?

Solution

****Correct Answer:****

Cloud-based infrastructure offers flexible resource provisioning and scalability, while on-premises infrastructure demands a fixed hardware investment.

Explanation

1. ****Cloud-based infrastructure:****

- Cloud solutions provide on-demand scalability and flexibility, allowing businesses to adjust resources as needed without committing to physical hardware purchases.

2. ****On-premises infrastructure:****

- Requires significant upfront investment in fixed hardware, limiting scalability and flexibility compared to cloud options.

This distinction highlights why many organizations choose cloud-based solutions for their scalability and cost-efficiency.