

Week 3 Quiz

LATEST SUBMISSION GRADE

100%

1.Question 1

Because smart speakers can carry out multiple functions (such as tell a joke, play music, etc.) it is an example of Artificial General Intelligence (AGI).

1 / 1 point



True



False

Correct

2.Question 2

What are the key steps to a smart speaker function?

1 / 1 point



Trigger word detection -> speech recognition -> intent recognition -> command execution.



Trigger word detection -> intent recognition -> speech recognition -> command execution.



Speech recognition → Trigger word detection -> intent recognition -> command execution.

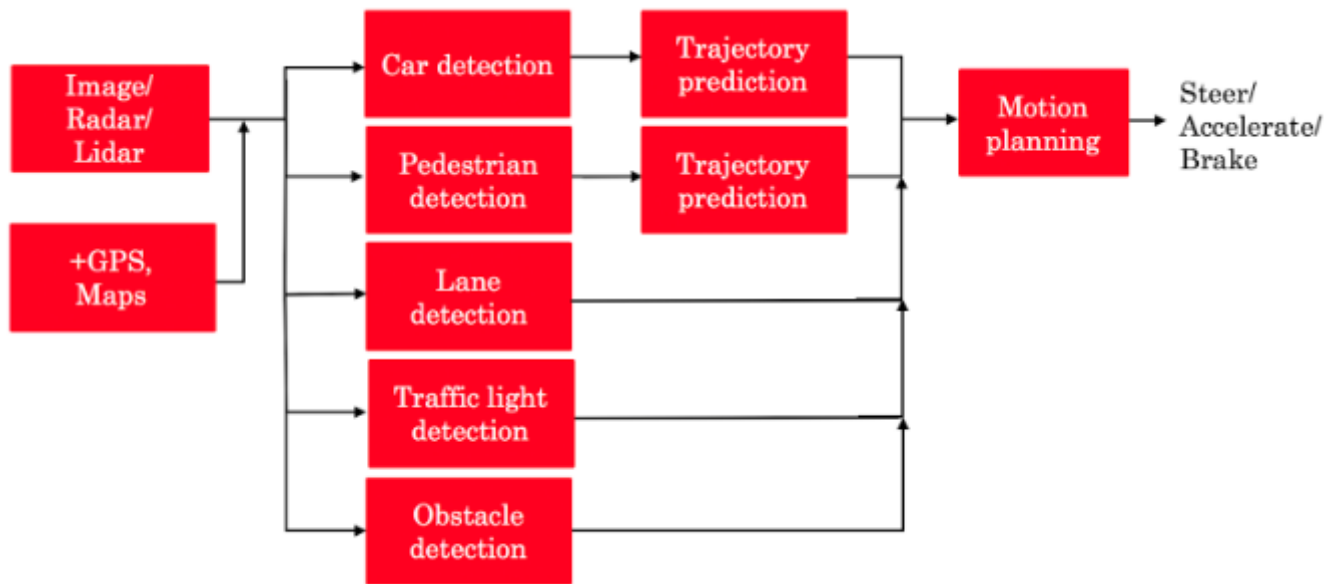


Trigger detection -> intent recognition -> speech recognition -> command execution.

Correct

3.Question 3

Consider this system for building a self-driving car:



The component for pedestrian detection is usually built using:

1 / 1 point

☐

Reinforcement learning

☐

A motion planning algorithm

☒

Supervised learning

☐

GANs

Correct

4.Question 4

Suppose you are building a trigger word detection system, and want to hire someone to build a system to map from Inputs A (audio clip) to Outputs B (whether the trigger word was said), using existing AI technology. Out of the list below, which of the following hires would be most suitable for writing this software?

1 / 1 point

☐

AI Product Manager

☒

Machine learning engineer



Data engineer



Machine learning researcher

Correct

5.Question 5

What is the first step in the AI Transformation Playbook for helping your company become good at AI?

1 / 1 point



Execute pilot projects to gain momentum



Develop an AI strategy



Build an in-house AI team



Provide broad AI training

Correct

6.Question 6

Of the following options, which is the most important trait of your first pilot project?

1 / 1 point



Succeed and show traction within 6-10 months



Drive extremely high value for the business



Be executed by an in-house team



None of the above

Correct

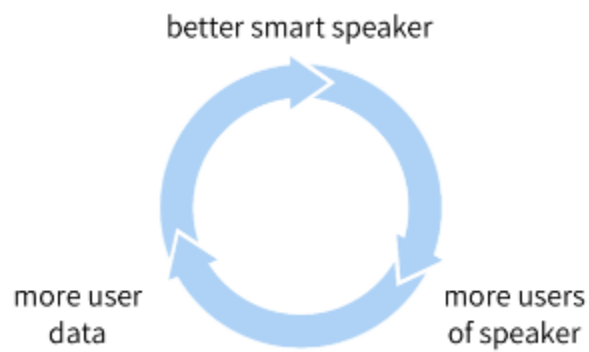
7.Question 7

Say you are building a smart speaker, and want to accumulate data for your product through having many users. Which of these represents the “Virtuous circle of AI” for this product?

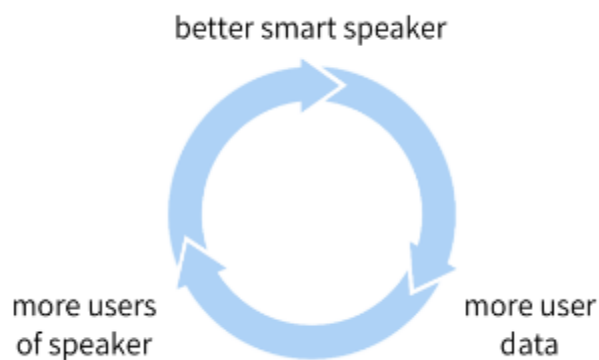
1 / 1 point



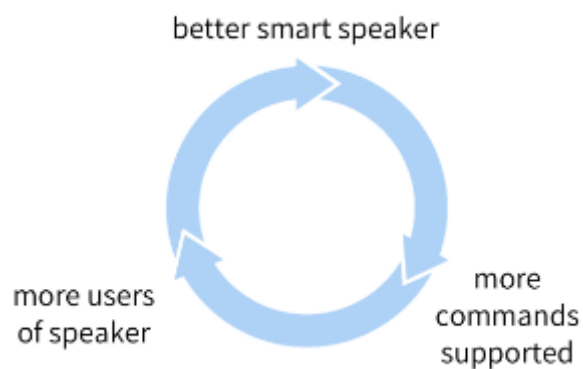
(A)



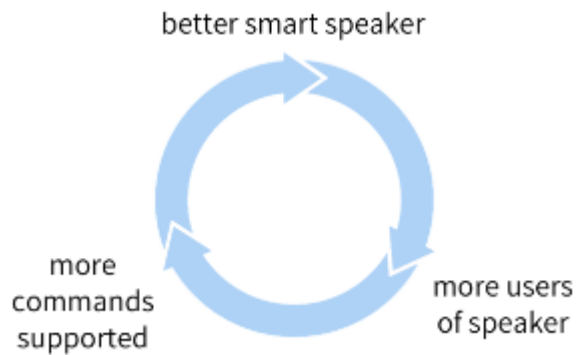
(B)



(C)



(D)



Correct

8.Question 8

Why is developing an AI strategy NOT the first step in the AI Transformation Playbook?

1 / 1 point

☐

When transforming a company into an AI company, one does not need a strategy, therefore it can't be the first step.

☐

There is no reason. Developing an AI strategy IS the first step in the AI Transformation Playbook.

☐

The strategy should be to use the Virtuous Circle of AI, which comes after building a product.

☐

Without having some practical AI experience and knowing what it feels like to build an AI project, a company usually does not know enough to formulate a sound strategy. - Correct

Correct

9.Question 9

According to the AI Transformation Playbook, broad AI training needs to be provided not only to engineers, but also to executives/senior business leaders and to leaders of divisions working on AI projects.

1 / 1 point

☐

True - Correct

☐

False

Correct

10.Question 10

Which of the following are AI pitfalls to avoid? (Select all that apply)

1 / 1 point

☐

Pairing engineering talent with business talent to identify feasible and valuable projects.

☐

Expecting traditional planning processes to apply without changes - correct

Correct

☐

Expecting AI to solve everything - correct

Correct

☐

Expecting AI based projects to work the first time - correct

Correct