

Week 3 Quiz

Quiz, 10 questions

10/10 points (100%)

Congratulations! You passed!

[Next Item](#)1 / 1
point

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).



True



False

**Correct**1 / 1
point

2.

What are the key steps to a smart speaker function?



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



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

**Correct**

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



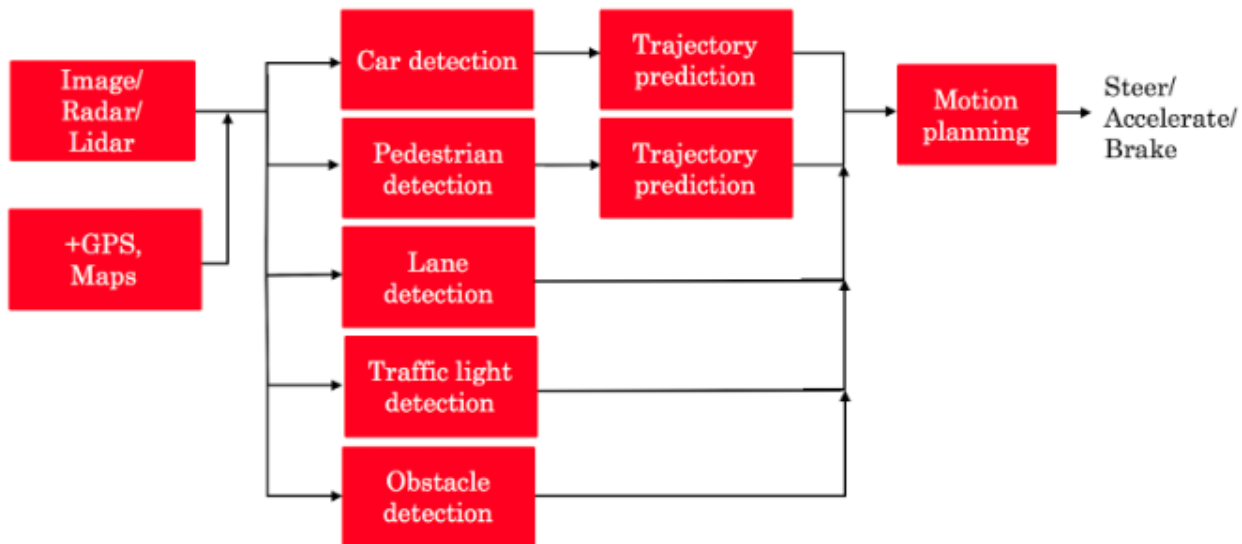
Trigger detection -> intent recognition -> speech recognition -> command execution.

1 / 1
point

Week 3 Quiz

Quiz, 10 questions Consider this system for building a self-driving car:

10/10 points (100%)



The component for pedestrian detection is usually built using:

- ☒ Supervised learning
- Correct
- ☐ A motion planning algorithm
- ☐ GANs
- ☐ Reinforcement learning



1 / 1
point

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?

- ☐ Machine learning researcher
- ☒ Machine learning engineer

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☐ AI Product Manager

☐ Data engineer



1 / 1
point

5.

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

☐ Build an in-house AI team

☒ Execute pilot projects to gain momentum



Correct

☐ Provide broad AI training

☐ Develop an AI strategy



1 / 1
point

6.

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

☒ Succeed and show traction within 6-10 months



Correct

☐ Drive extremely high value for the business

☐ Be executed by an in-house team

☐ None of the above

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7.

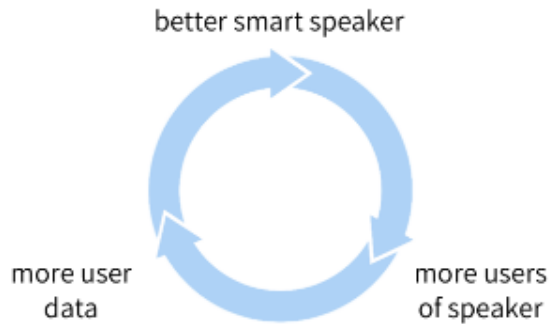
1 / 1 point

10/10 points (100%)

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?



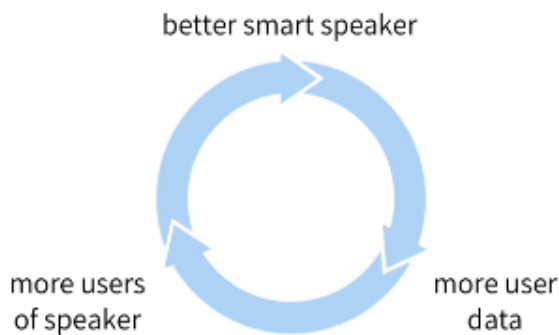
(A)



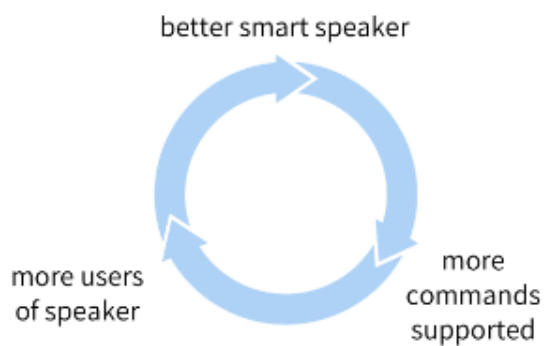
Correct



(B)



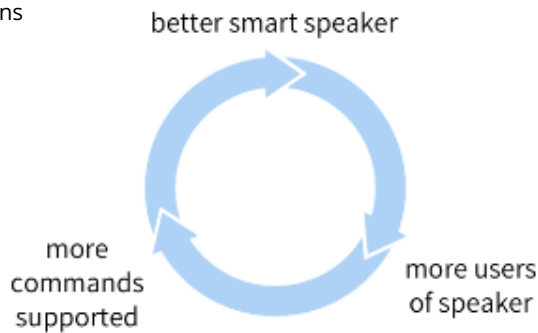
(C)



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1 / 1
point

8.

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

- ☐ When transforming a company into an AI company, one does not need a strategy, therefore it can't be the first step.
- ☐ The strategy should be to use the Virtuous Circle of AI, which comes after building a product.
- ☐ There is no reason. Developing an AI strategy IS the first step in the AI Transformation Playbook.
- ☒ 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**1 / 1
point


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.

- ☒ True
- ☐ False

**Correct**

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10/10 points (100%)

10.

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

☐

Expecting AI based projects to work the first time



Correct

☐

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



Un-selected is correct

☐

Expecting traditional planning processes to apply without changes



Correct

☐

Expecting AI to solve everything



Correct

