

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



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



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



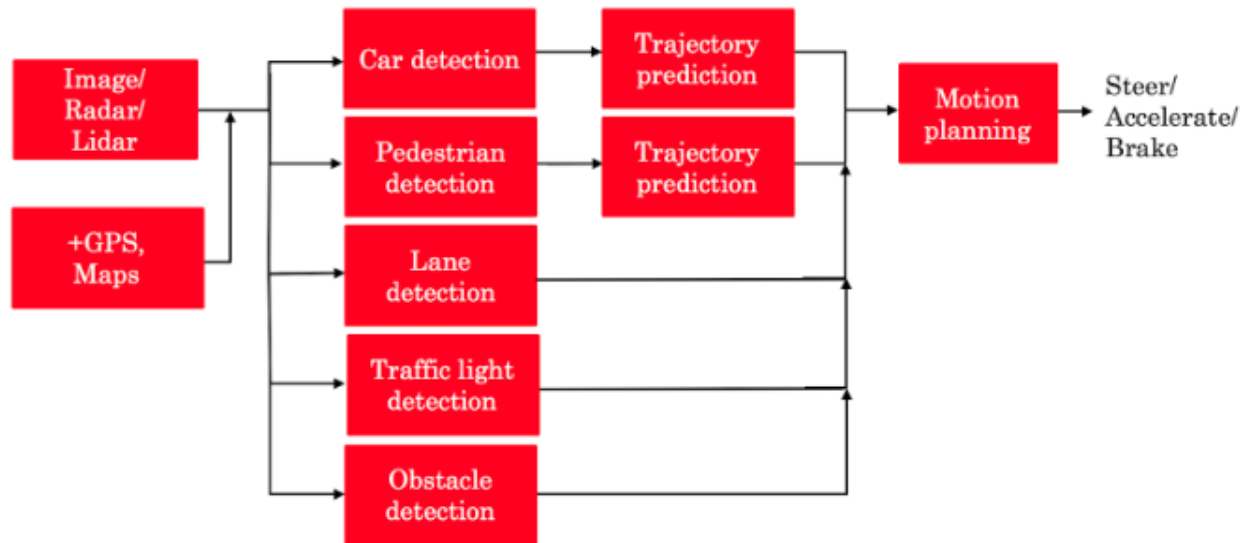
**Correct**



1 / 1  
point

3.

Consider this system for building a self-driving car:



The component for pedestrian detection is usually built using:

☐ A motion planning algorithm

☒ Supervised learning



**Correct**

☐ 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?

☐ Data engineer

☒ Machine learning engineer



**Correct**

- ☐ Machine learning researcher
  - ☐ AI Product Manager
- 



1 / 1  
point

5.

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

- ☐ Develop an AI strategy
- ☐ Provide broad AI training
- ☒ Execute pilot projects to gain momentum

Correct

- ☐ Build an in-house AI team
- 



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
- 

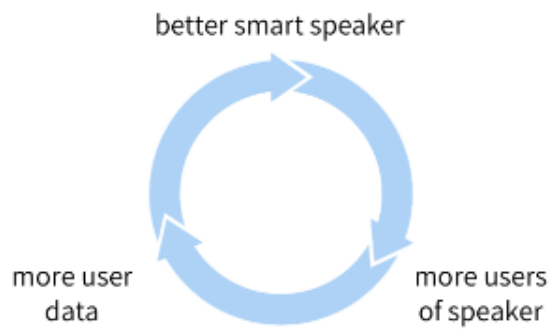


1 / 1  
point

7.

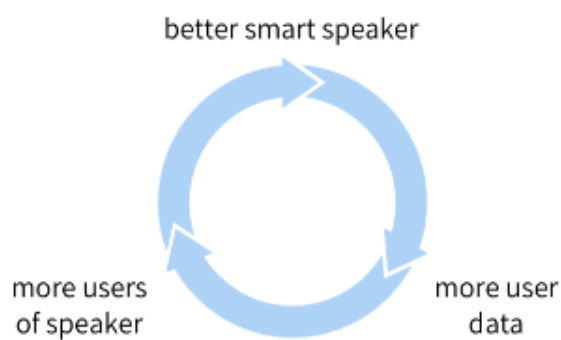
Say you are building a smart speaker, and want to accumulate data for your product through having many users. Which of these represents the “Virtuous circle of AI” for this product?

- ☒ (A)

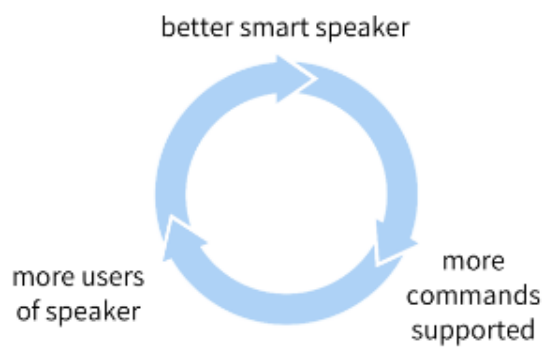


Correct

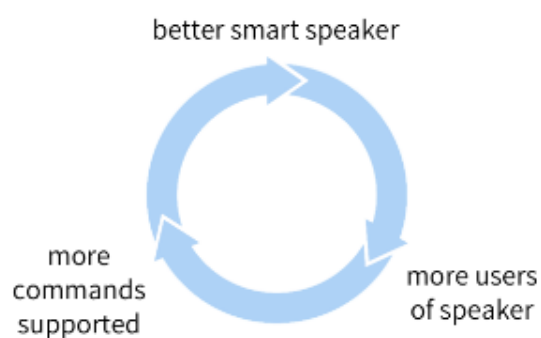
☐ (B)



☐ (C)



☐ (D)





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.
- ☒ 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**

- ☐ 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.



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

**Correct**

- ☐ False



1 / 1  
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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**

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