



Week 3 Quiz

Quiz, 10 questions

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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

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2.

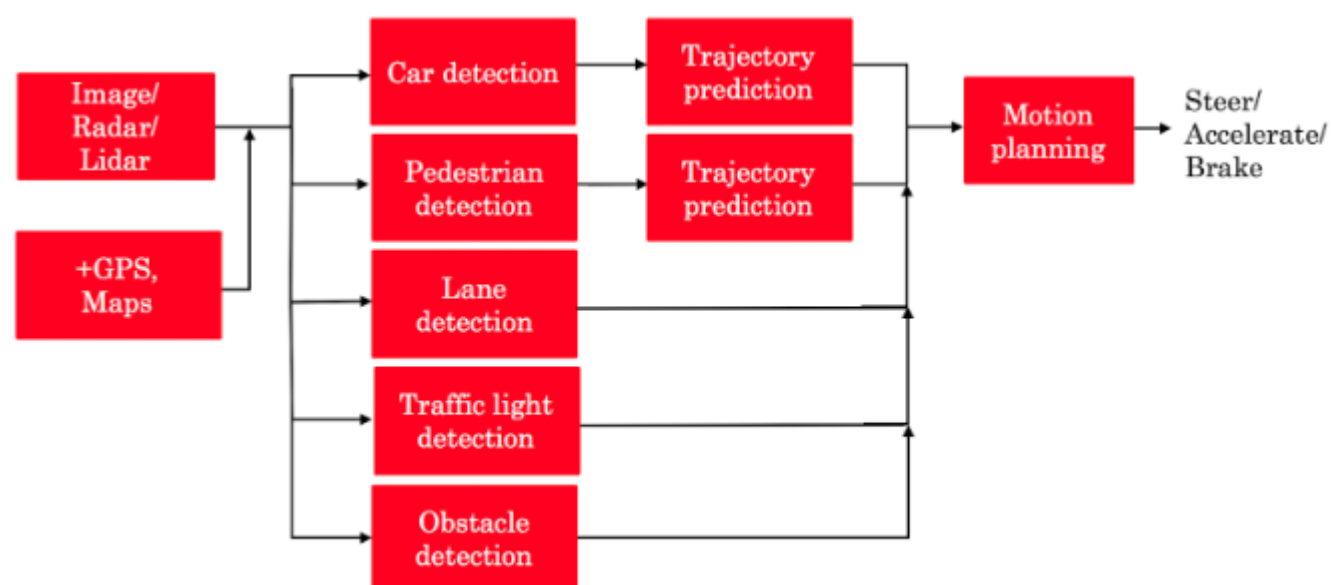
What are the key steps to a smart speaker function?

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

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3.

Consider this system for building a self-driving car:



The component for pedestrian detection is usually built using:

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



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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 researcher
- ☒ Machine learning engineer
- ☐ AI Product Manager

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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
- ☐ Provide broad AI training
- ☐ Develop an AI strategy

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6.

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

- ☒ 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

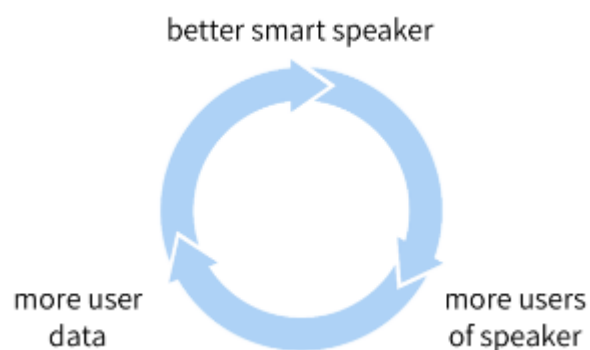
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7.

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)

ANS

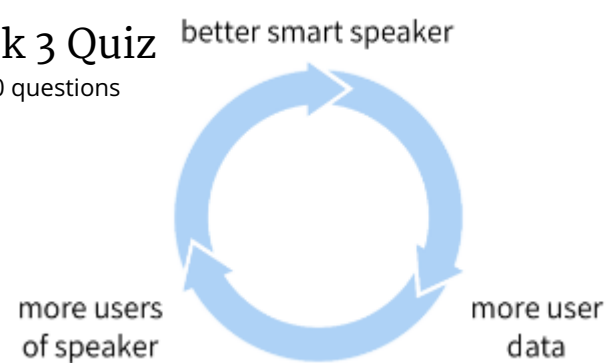


- ☐ (B)

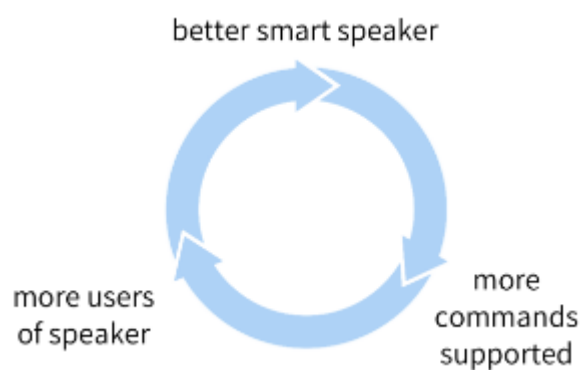


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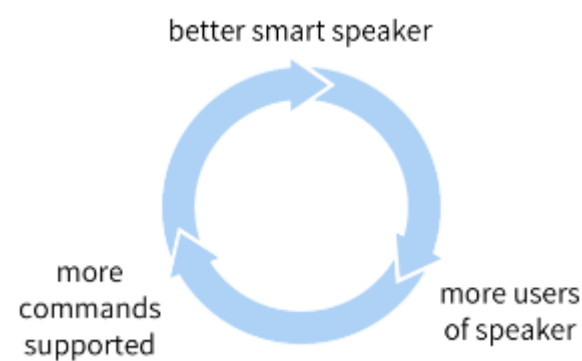
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☐ (C)



☐ (D)



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

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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

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

- ☐ Expecting traditional planning processes to apply without changes
- ☐ Pairing engineering talent with business talent to identify feasible and valuable projects.
- ☐ Expecting AI to solve everything
- ☐ Expecting AI based projects to work the first time

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