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

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

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

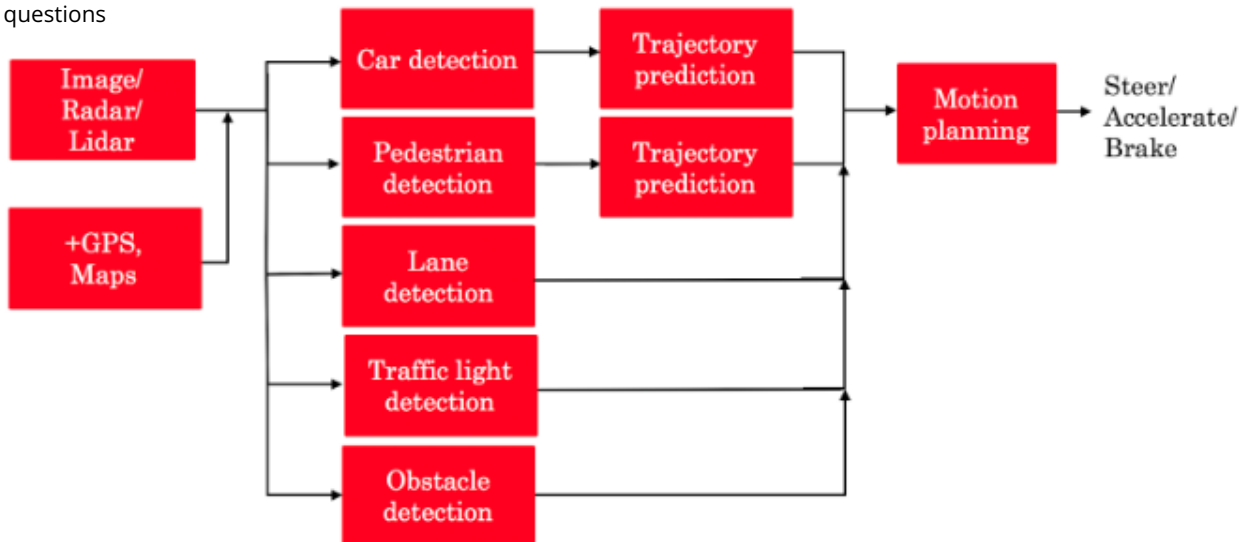- ◯ Trigger word detection -> intent recognition -> speech recognition -> command execution.

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### 3.

Consider this system for building a self-driving car:

The component for pedestrian detection is usually built using:

○ A motion planning algorithm

○ Supervised learning

○ Reinforcement learning

○ 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?

○ Machine learning researcher

○ Data engineer

○ AI Product Manager

○ Machine learning engineer

5.

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

○ Execute pilot projects to gain momentum

○ Develop an AI strategy

○ Build an in-house AI team

○ Provide broad AI training

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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

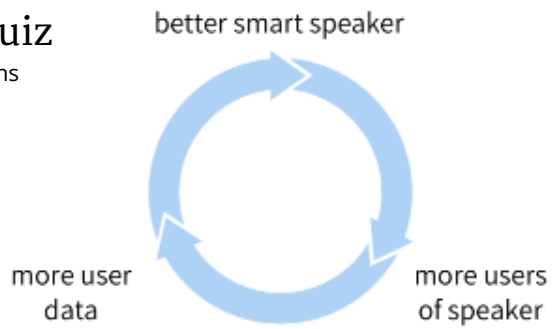○ None of the above

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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?
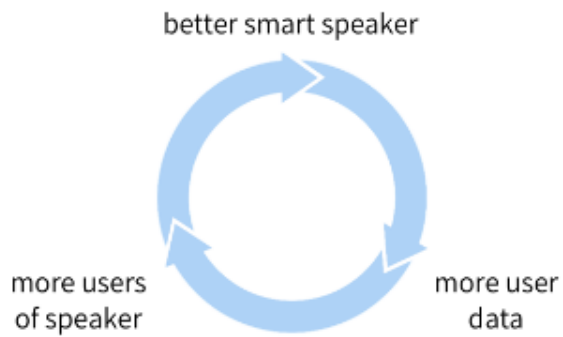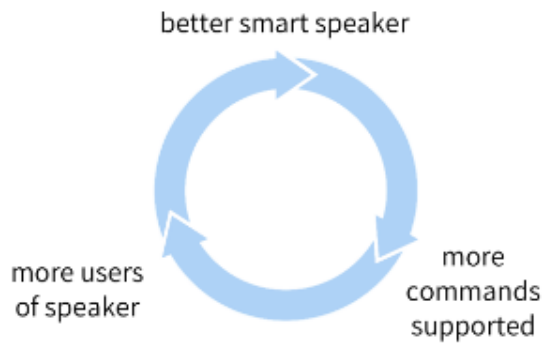
○ (A)

better smart speaker

more user data
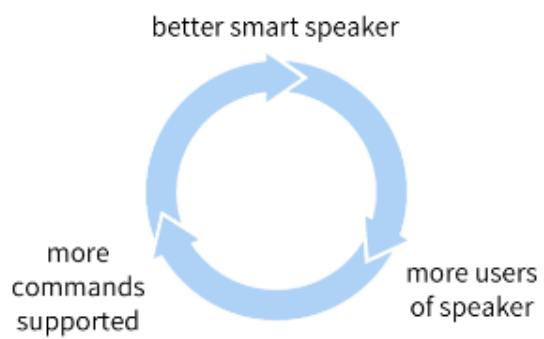
more users of speaker

○ (B)

better smart speaker

more users of speaker

more user data

○ (C)

better smart speaker

more users of speaker

more commands supported

○ (D)

better smart speaker

more commands supported

more users of speaker

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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.

○ 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.

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

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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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10.
Which of the following are AI pitfalls to avoid? (Select all that apply)

☐ Expecting AI to solve everything

☐ Expecting traditional planning processes to apply without changes

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

☐ Expecting AI based projects to work the first time

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