

Week 3

✓ Congratulations! You passed!

Grade
received 100%

Latest Submission
Grade 100%

To pass 80% or
higher

Go to next item

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

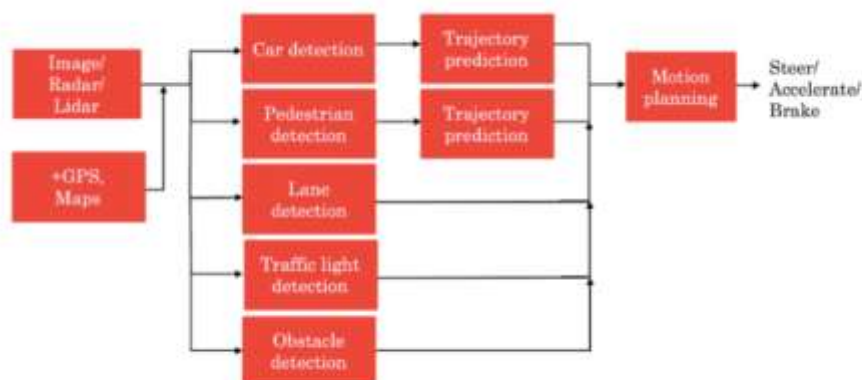
2. What are the key steps to a smart speaker function?

1 / 1 point

- ☐ 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.
- ✓ Correct

3. Consider this system for building a self-driving car:

1 / 1 point



The component for pedestrian detection is usually built using:

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

✓ Correct

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

- ☒ Machine learning engineer
- ☐ AI Product Manager
- ☐ Machine learning researcher
- ☐ Data engineer

✓ Correct

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

1 / 1 point

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

✓ Correct

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

1 / 1 point

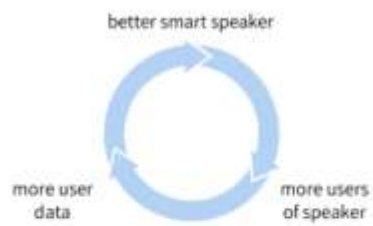
- ☒ Succeed and show traction within 6-12 months
- ☐ Drive extremely high value for the business
- ☐ Be executed by an in-house team
- ☐ None of the above

✓ Correct

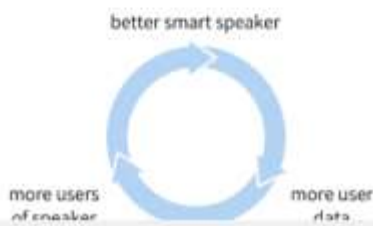
7. Say you are building a smart speaker, and want to accumulate data for your product through having many users. Which of these represents the "Virtuous circle of AI" for this product?

1 / 1 point

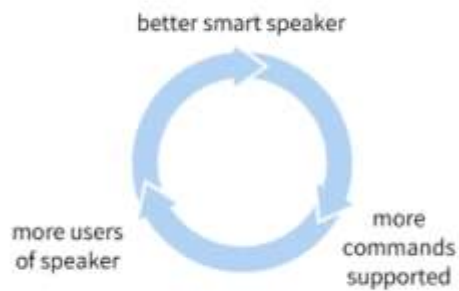
☒ (A)



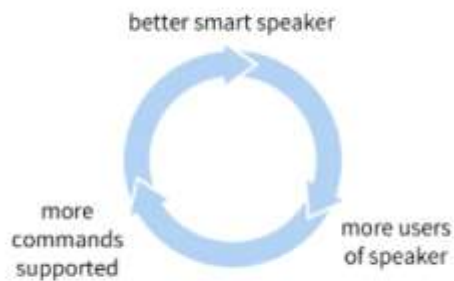
☐ (B)



☐ (C)



☐ (D)



✓ Correct

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

1 / 1 point

- ☐ 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.
- ☐ 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.

✓ Correct

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

☒ True

☐ False

✓ Correct

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

1 / 1 point

- ☒ Expecting traditional planning processes to apply without changes

✓ Correct

- ☒ Expecting AI based projects to work the first time

✓ Correct

- ☒ Expecting AI to solve everything

✓ Correct

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