Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Week 3 Quiz

LATEST SUBMISSION GRADE
100%

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

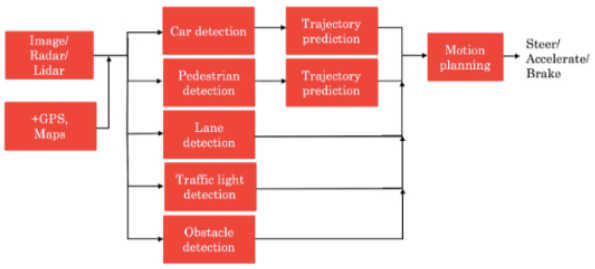
✓ Correct

2. What are the key steps to a smart speaker function? **1 / 1 point**

- ◉ Trigger word detection -> 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.

✓ Correct

3. Consider this system for building a self-driving car: **1 / 1 point**



The component for pedestrian detection is usually built using:

- ○ A motion planning algorithm
- ◉ Supervised learning
- ○ GANs
- ○ Reinforcement learning

✓ 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**

- ○ Data engineer
- ○ AI Product Manager
- ◉ Machine learning engineer
- ○ Machine learning researcher

✓ Correct

5. What is the first step in the AI Transformation Playbook for helping your company become good at AI? **1 / 1 point**

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

✓ Correct

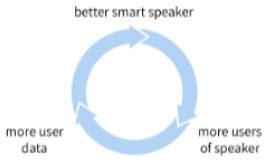
6. Of the following options, which is the most important trait of your first pilot project? 1 / 1 point

- (●) Succeed and show traction within 6-10 months
- ( ) Drive extremely high value for the business
- ( ) Be executed by an in-house team
- ( ) None of the above

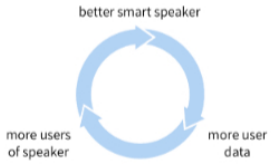
✓ Correct

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

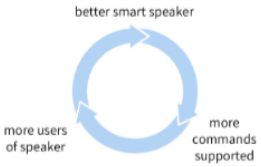
- (●) (A)



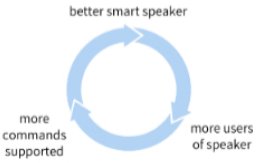
- ( ) (B)



- ( ) (C)



- ( ) (D)



✓ Correct

8. Why is developing an AI strategy NOT the first step in the AI Transformation Playbook? 1 / 1 point

- (●) 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.
- ( ) 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.
- ( ) When transforming a company into an AI company, one does not need a strategy, therefore it can't be the first step.

✓ 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
- ( ) False

✓ Correct

10. Which of the following are AI pitfalls to avoid? (Select all that apply) 1 / 1 point

- [ ] Pairing engineering talent with business talent to identify feasible and valuable projects.
- [x] Expecting traditional planning processes to apply without changes

  ✓ Correct
- [x] Expecting AI based projects to work the first time

  ✓ Correct
- [x] Expecting AI to solve everything

  ✓ Correct