



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

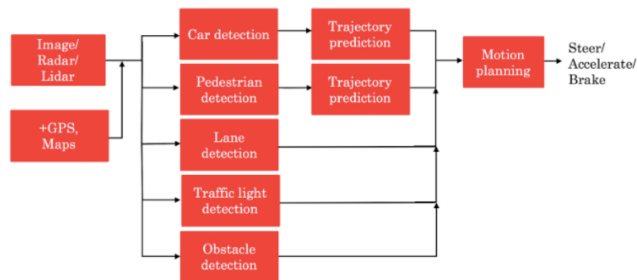
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2. What are the key steps to a smart speaker function?

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

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

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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 engineer
☐ AI Product Manager
☐ Machine learning researcher

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

- ☐ Provide broad AI training
☐ Build an in-house AI team

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

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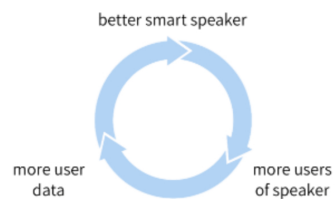
6. Of the following options, which is the most important trait of your first pilot project?

- ☒ 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

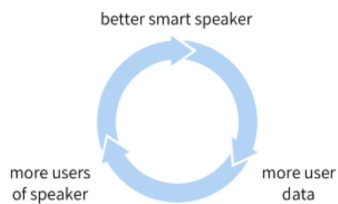
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7. Say you are building a smart speaker, and want to accumulate data for your product through having many users. Which of these represents the "Virtuous circle of AI" for this product?

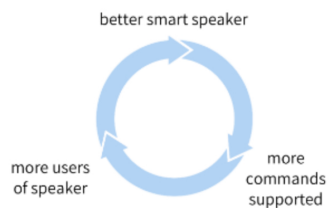
- ☒ (A)



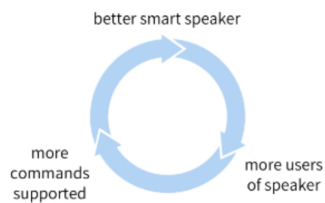
- ☐ (B)



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

- ☒ 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.

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

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