

ML Review Quiz: Introduction

* Required

1. Which of these terms best describes the type of AI used in today's email spam filters, speech recognition, and other specific applications? * 1 point

Mark only one oval.

- ☐ Artificial General Intelligence (AGI)
- ☐ Artificial Narrow Intelligence (ANI)

2. Say you want to determine based on a picture of a person's face (input) whether or not they are smiling (output). Because this is a task that most humans can do in less than 1 second, machine learning can probably learn this input-to-output mapping. * 1 point

Mark only one oval.

- ☐ True
- ☐ False

3. Say you want to build an alarm system, that rings a bell when the door of your fridge stays open for more than 5 minutes. Since the open door can be detected with a mechanical sensor similar to the one that turns on the light inside the fridge, the most efficient way to solve this task would be to use ML. * 1 point

Mark only one oval.

- ☐ True
- ☐ False

4. Say you want to use machine learning to help your sales team with automatic lead sorting. I.e., for an input X (a sales prospect) a model should generate an output Y (whether your sales team should prioritize them). In which order are these 3 steps of the workflow executed? *

3 points

Mark only one oval per row.

	Step 1	Step 2	Step 3
Deploy a trained model and get data back from new users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collect an initial dataset with both X and Y	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Train a machine learning system to learn the connection between input X and output Y	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Because a smart speaker can carry out multiple functions (such as tell a joke, play music, etc.) it is an example of Artificial General Intelligence (AGI). *

1 point

Mark only one oval.

- ☐ True
- ☐ False

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