

Building AI Projects

Video

Week 2 Introduction

1 min

Video

Workflow of a machine learning project

6 min

Video

Workflow of a data science project

6 min

Video

Every job function needs to learn how to use data

6 min

Video

How to choose an AI project (Part 1)

7 min

Video

How to choose an AI project (Part 2)

8 min

Video

Working with an AI team

8 min

Video

Technical tools for AI teams (optional)

6 min

Quiz

Week 2 Quiz

10 questions

QUIZ • 30 MIN

Week 2 Quiz

Submit your assignment

DUE DATE

Jun 29, 12:29 PM IST

ATTEMPTS

3 every 8 hours

Try again

Receive grade

TO PASS: 80% or higher

Grade

92.50%

View Feedback

We keep your highest score



✓

Congratulations! You passed!

TO PASS: 80% or higher

Keep Learning

GRADE

92.50%

Week 2 Quiz

LATEST SUBMISSION GRADE

92.5%

1. Machine learning is an "iterative" process, meaning that an AI team often has to try many ideas before coming up with something that's good enough, rather than have the first thing they try work.

1 / 1 point

True

False

✓

Correct
2. Say you want to use Machine Learning to help your sales team with automatic lead sorting. I.e., input A (a sales prospect) and output B (whether your sales team should prioritize them). The 3 steps of the workflow, in scrambled order, are:

(i) Deploy a trained model and get data back from users

(ii) Collect data with both A and B

(iii) Train a machine learning system to input A and output B

What is the correct ordering of these steps?

1 / 1 point

(i) (i) (ii)

(i) (ii) (i)

(i) (i) (ii)

(i) (ii) (i)

✓

Correct
3. What are the key steps of a Data Science project?

1 / 1 point

Collect data

Analyze the data

Suggest hypothesis or actions

All of the above

✓

Correct
4. Machine Learning programs can help: (select all that apply)

0.25 / 1 point

Automate visual inspection in a manufacturing line

✓

Correct

Customize product recommendations

Automate resume screening

Automate lead sorting in sales

You didn't select all the correct answers
5. Unless you have a huge dataset ("Big Data"), it is generally not worth attempting machine learning or data science projects on your problem.

1 / 1 point

True

False

✓

Correct
6. Say you want to build an AI system to help recruiters with automated resume screening. Which of these steps might be involved in "technical diligence" process? (Select all that apply.)

1 / 1 point

Making sure that an AI system can meet the desired performance

Ensuring that this is valuable for your business (e.g., estimating the project ROI)

Making sure you can get enough data for this project

Defining an engineering timeline

✓

Correct
7. Which of these statements about "business diligence" do you agree with?

1 / 1 point

Business diligence applies only if you are launching new product lines or businesses.

Business diligence can typically be completed in less than a day.

Business diligence is the process of ensuring that the envisioned AI technology is feasible.

Business diligence is the process of ensuring that the AI technology, if it is built, is valuable for your business.

✓

Correct
8. You want to use supervised learning for automated resume screening, as in the example above. Which of the following statements about the Training Set are true? (Select all that apply.)

1 / 1 point

It should give examples of the input A (resume) but not necessarily the desired output B (whether to move forward with a candidate).

It will be used by the AI team to train the supervised learning algorithm.

✓

Correct

It should give examples of both the input A (resume) and the desired output B (whether to move forward with a candidate).

The Training set and Test set can be the same dataset.

✓

Correct
9. For your automated resume screening application, you are now providing a Test Set to the AI team. Which of the following statements about the Test Set are true? (Select all that apply.)

1 / 1 point

The Test Set should ideally be identical to the Training Set.

It should give examples of both the input A (resume) and the desired output B (whether to move forward with a candidate)

✓

Correct

It should give examples of the input A (resume) but not necessarily the desired output B (whether to move forward with a candidate).

It will be used by the AI team to evaluate the performance of the algorithm.

✓

Correct
10. Which of these are reasons that it's often unrealistic to expect an ML system to be 100% accurate?

1 / 1 point

You might not have enough data

Data can be mislabeled

Data can be ambiguous

All of the above.

✓

Correct