Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE 100%

Machine Learning in Production and Planning Review

LATEST SUBMISSION GRADE

100%

1. Why is the integration of the ML system into your business systems important? 1 / 1 point

- (•) Because if you can't get answers out of your system in a useful and timely way, the system is useless
- ( ) Because you need to make sure you have a robust way to extract and store data
- ( ) Because you need validated answers in order to update your QuAM
- ( ) Because your teams might be working at cross purposes

✓ Correct

2. What are some ways that you can increase performance and reduce computing resource use with your ML system? (check all that apply) 1 / 1 point

- [x] Use model compression techniques like the student-teacher approach

✓ Correct

- [x] Use optimized and tested code from a library instead of custom code

✓ Correct

- [ ] Run the model on the cloud instead of on a local system
- [ ] Use a really good compiler

3. Which of the following is an important purpose of making good reports? 1 / 1 point

- (•) Communicating progress and challenges in your project
- ( ) Documenting code, features and labels
- ( ) Communicating the business value of your project
- ( ) All of the above

✓ Correct

4. Why do you need to change how you communicate, depending on who you're communicating to? 1 / 1 point

- ( ) Because different groups have different need and desire to understand the technical details
- ( ) Because different groups have different priorities, such as ROI

✓ Correct

5. What sort of things should you be tracking with your logging and version control? (check all that apply) 1 / 1 point

- [ ] Changes to workflow
- [ ] Business performance of a model
- [x] Test performance of a model

✓ Correct

- [x] Model evaluation

✓ Correct

- [x] Label encodings

✓ Correct

- [x] Changes to training data

✓ Correct

- [x] Model parameters

✓ Correct

6. What might trigger a need to retrain an ML model? (check all that apply) 1 / 1 point

- [ ] You don't have anything better to do and you need to justify your salary to your boss
- [x] You've created a schedule for updating your model because you know the data changes frequently, and it's time to update

✓ Correct

- [ ] You have a new technique you want to try and this seems like a good way to try it out
- [x] The distribution of the operational data has drifted significantly from that of the training data

✓ Correct

- [x] New information is available and you want to integrate it into your model

✓ Correct

- [x] The performance of the deployed model is significantly lower than its performance in testing

✓ Correct