

✔ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

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Model Management and Deployment Infrastructure

Total points 4

1. When does the minor version increment in the MAJOR.MINOR.PIPELINE approach of model versioning?

1 / 1 point

- ☒ In ML is fundamentally different from debugging in software engineering.
- ☐ In software engineering.

✔ **Correct**

Absolutely! ML debugging is often about a model not converging or not generalizing instead of some functional error like a segfault.

2. Which well known product uses arbitrary grouping?

1 / 1 point

- ☐ Nbdime
- ☐ nbQA
- ☒ Google Cloud AI Prediction

✔ **Correct**

Great job! Nbconvert can be used to extract just the Python from a notebook.

3. What are some non-standard ML Unit Testing Considerations? (Select all that apply)

1 / 1 point

- ☐ OppenRefine
- ☒ Data Coverage

✔ **Correct**

Way to go!

- ☒ Code Coverage

✔ **Correct**

You did it!

- ☒ Mocking

✔ **Correct**

Nice job!

4. Which of the following is true about the comparison between canary and blue-green deployment?

1 / 1 point

- ☐ Canary deployment is riskier than blue-green deployment because it shifts all user traffic at once.
- ☒ Canary is cheaper than a blue-green deployment because it does not require two production environments.
- ☐ Blue-green deployment is more complex, slower, and harder to implement than canary deployment.

✔ **Correct**

Exactly! Canary deployments allow organizations to test in production with real users and cases and compare different service versions side by side.