Congratulations! You passed!

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

Go to next item

ML Experiments Management and Workflow Automation

Total points 4

1. Is debugging in ML different from debugging in software engineering? **1 / 1 point**

- ○ No, debugging in ML and software engineering aim for the same goals.
- ◉ Yes, debugging in ML is fundamentally different from debugging 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 of the following tools allow you to track experiments with notebooks? (Select all that apply) **1 / 1 point**

- ☐ Jupytext
- ☑ Nbconvert

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

- ☐ nbQA
- ☑ Nbdime

Correct
Keep it up! This tool enables diffing and merging of Jupyter Notebooks.

3. Which of the following are some good tools for Data Versioning? **1 / 1 point**

- ☑ Pachyderm

Correct
Way to go! This tool lets you continuously update data in the master branch while experimenting with specific data in a separate branch.

- ☑ Neptune

Correct
Nice job! Neptune includes data versioning, experiment tracking, and a model registry.

- ☐ OpenRefine
- ☑ Delta Lake

Correct
You did it! Delta Lake runs on top of your existing data lake and provides data versioning, including rollbacks and full historical audit trails.

4. What are the main objectives of DevOps? (Select all that apply) **1 / 1 point**

- ☑ Shortening the systems development life cycle.

Correct
Nice job!

- ☑ Ensuring dependable releases of high-quality software.

Correct
Well done!

- ☐ Delivering software functionalities through automated deployments.
- ☑ Increasing deployment velocity.

Correct
Right on track!