



# Class Materials for Class 3-Module 1

⋮ Tags	Module-1
≡ Class	3
⌵ Course Name	MLOps with Cloud
📅 Created Date	@October 1, 2024
⌵ Module Name	Introduction of MLOps
⋮ Related Topics	deployment ml-systems-design mlflow mlops-fundamentals model-registry
⌵ Resource Type	reading-materials


## Reading Materials:

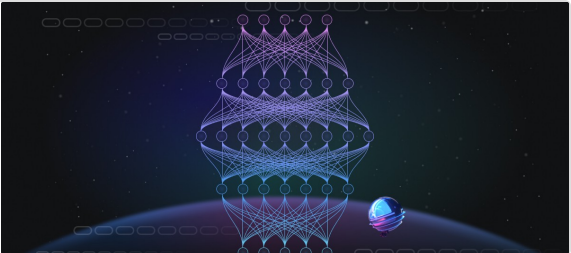
### Articles:

1.

**ML Model Registry: The Ultimate Guide**

Imagine you are the only data scientist on your team, you start working on a machine learning project and perform a series of experiments that produce various ML models (and artifacts) that you “track” through non-standard naming conventions. Since the naming conventions you used


 <https://neptune.ai/blog/ml-model-registry>




2.

**Model deployment patterns - Azure Databricks**

Learn about the two different model deployment patterns and the pros and cons of each.

 <https://learn.microsoft.com/en-us/azure/databricks/machine-learning/mlops/deployment-patterns>



3.

ML Model Deployment Strategies

As a data scientist, you may occasionally train a machine learning model to be part of a production system. Once you have completed the offline validation of the model, the next challenge often lies in effectively deploying and managing the new model in the production

🔗 <https://www.tensorops.ai/post/ml-model-deployment-strategies>



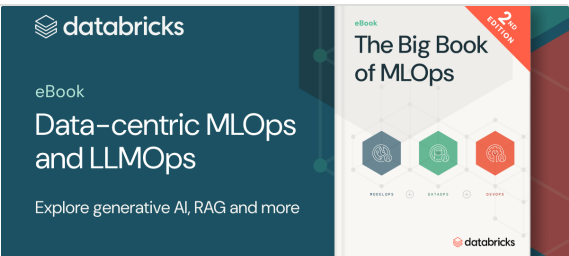
Books:

1. The Big Book of MLOps : MLOps in Databricks

Data-centric MLOps and LLMOps | Databricks

Discover the latest in MLOps, including deploying AI models, data governance, and managing large language models with "The Big Book of MLOps."

🔗 <https://www.databricks.com/resources/ebook/the-big-book-of-mlops>



💡 Suggested Reading:

- 2. Designing Machine Learning Systems" by Chip Huyen
  - a. Chapter 10 (ML Infrastructure)
  - b. Chapter 7 (Deploying an ML Model)
- 3. "Machine Learning Design Patterns" by Valliappa Lakshmanan, Sara Robinson e
  - a. Chapter 7 (Reproducibility and Explainability)