BU.330.740 Large Scale Computing on the Cloud

**Lab 3. AWS SageMaker for Machine Learning**

## Learning Goals

* Learn to create and manage AWS SageMaker Notebook Instances.
* Execute a machine learning pipeline using SageMaker and S3.
* Understand how to deploy and delete endpoints to manage costs.

## Required Skills

* Basic Python and Jupyter Notebook knowledge.
* Familiarity with AWS SageMaker and S3.

1. Login into your AWS Academy account at <https://awsacademy.instructure.com/login/canvas>. Then please follow “*AWS Academy Learner Lab – Student Guide.pdf”* provided by AWS to launch **AWS Management Console**.
2. Search **Sagemaker AI** and open it. Click on the **Notebooks** on the left side. Then, click **Create notebook instance**.

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You can name it as you prefer, but please follow the naming instructions and leave everything else unchanged. Then, proceed with the creation.

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1. Once the Notebook Instance is created, its status is shown as “Pending.” When it turns into “In Service,” please click **Open JupyterLab**.

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1. While waiting, open S3 and create a bucket.

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1. In a Python3 notebook, implement the code from the code instructions.

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**SageMaker Dashboard**

Step 12.

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Step 14.

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**Once everything is completed, please terminate your notebook instance. Ensure that nothing is running in your dashboard.**

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