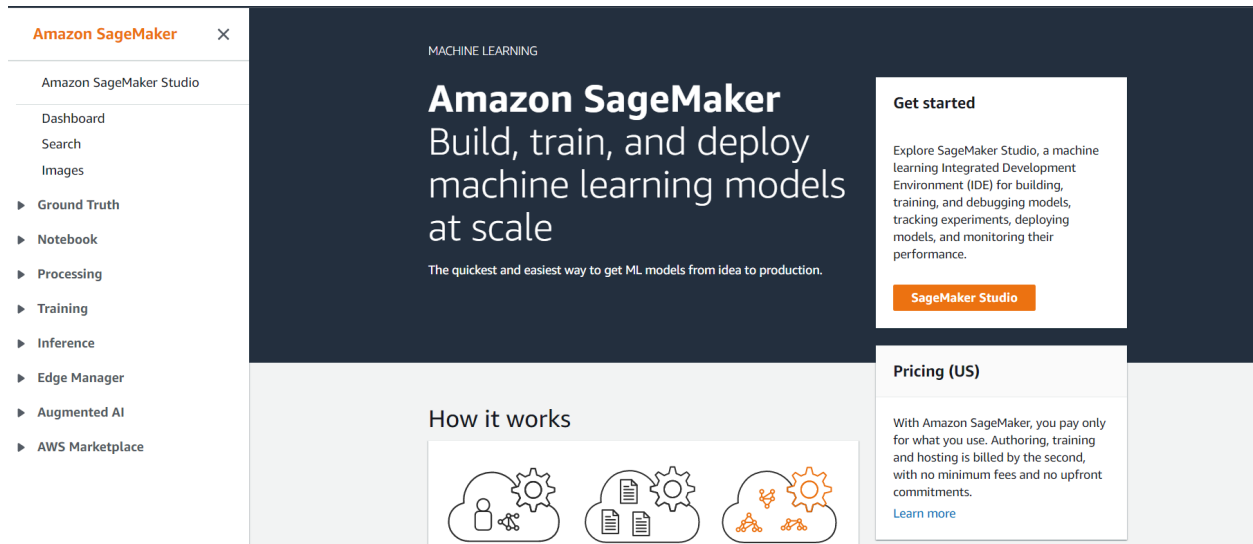


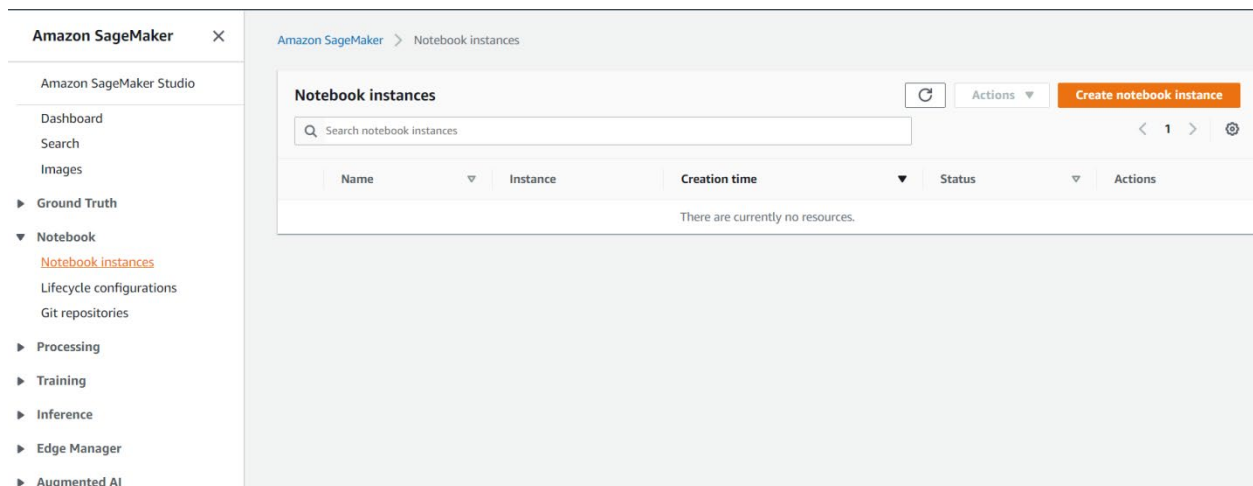
AWS SageMaker

Build, Train, and Deploy Machine Learning models at scale

1. Creating and Importing Data



AWS SageMaker Dashboard



NoteBook Instances Page

Amazon SageMaker > Notebook instances > Create notebook instance

Create notebook instance

Amazon SageMaker provides pre-built fully managed notebook instances that run Jupyter notebooks. The notebook instances include example code for common model training and hosting exercises. [Learn more](#)

Notebook instance settings

Notebook instance name

Mynotebook

Maximum of 63 alphanumeric characters. Can include hyphens (-), but not spaces. Must be unique within your account in an AWS Region.

Notebook instance type

ml.m4.xlarge

Elastic Inference [Learn more](#)

none

Amazon SageMaker Notebook Instance is ending its standard support on Amazon Linux AMI (AL1). [Learn more](#)

Platform identifier [Learn more](#)

notebook-ml-v1

▶ Additional configuration

Creating Notebook Instance

Amazon SageMaker

Amazon SageMaker Studio

Dashboard

Search

Images

▶ Ground Truth

▶ Notebook

▶ Processing

▶ Training

▶ Inference

▶ Edge Manager

▶ Augmented AI

▶ AWS Marketplace

Amazon SageMaker > Notebook instances

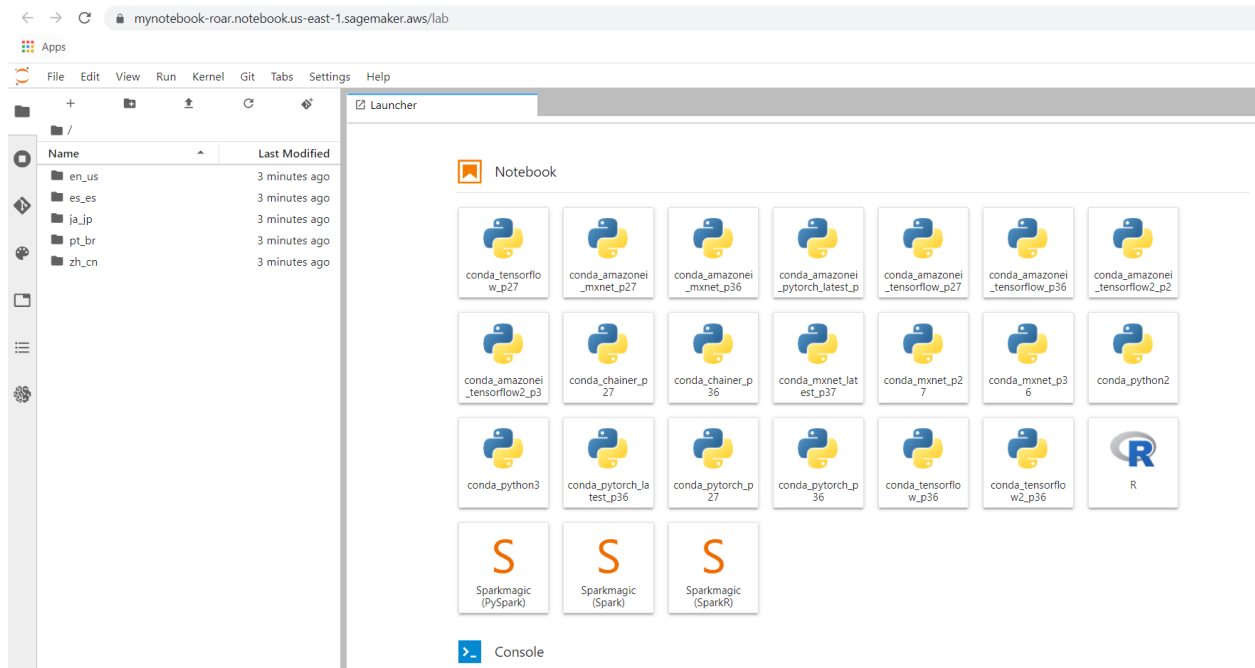
Notebook instances

Search notebook instances

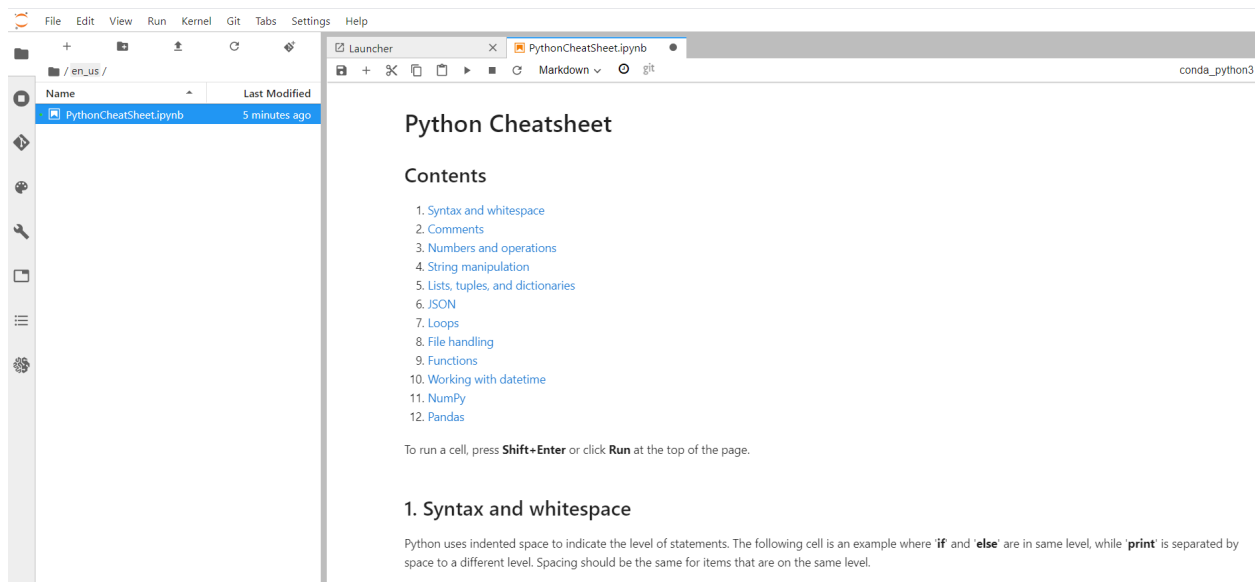
< 1 >

Name	Instance	Creation time	Status	Actions
Mynotebook	ml.m4.xlarge	Sep 22, 2021 16:28 UTC	InService	Open Jupyter Open JupyterLab

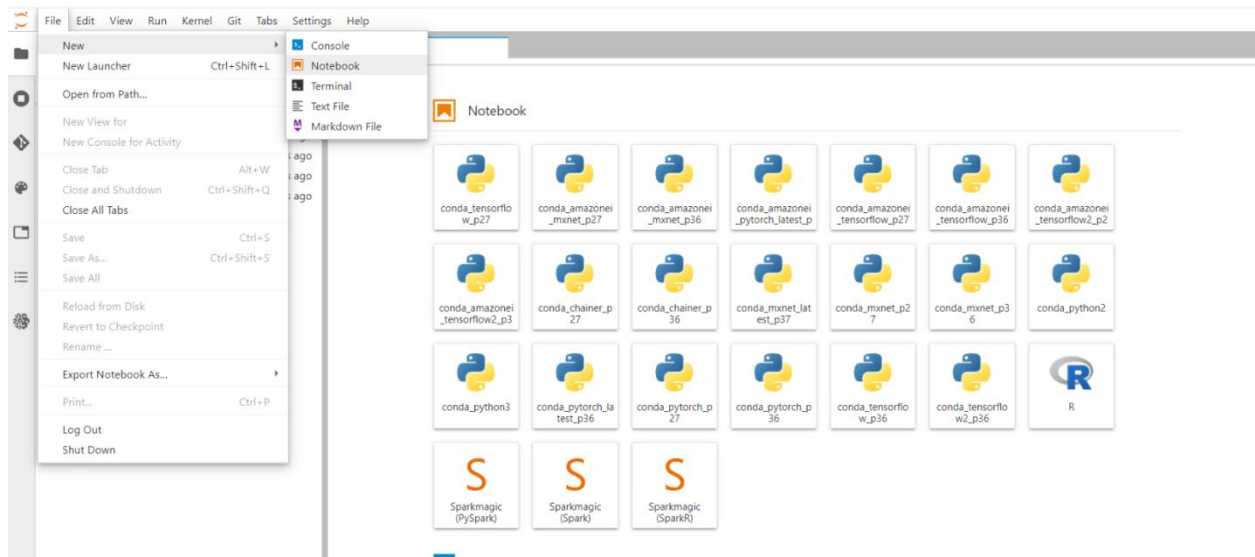
Notebook Successfully Created



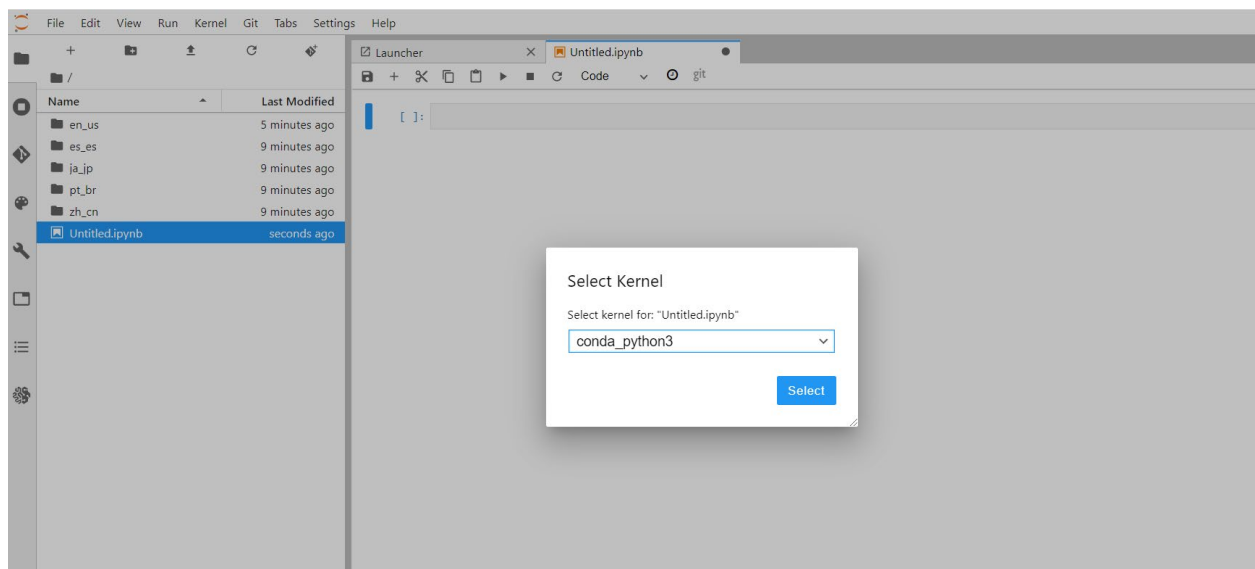
Jupyter Lab for the Notebook



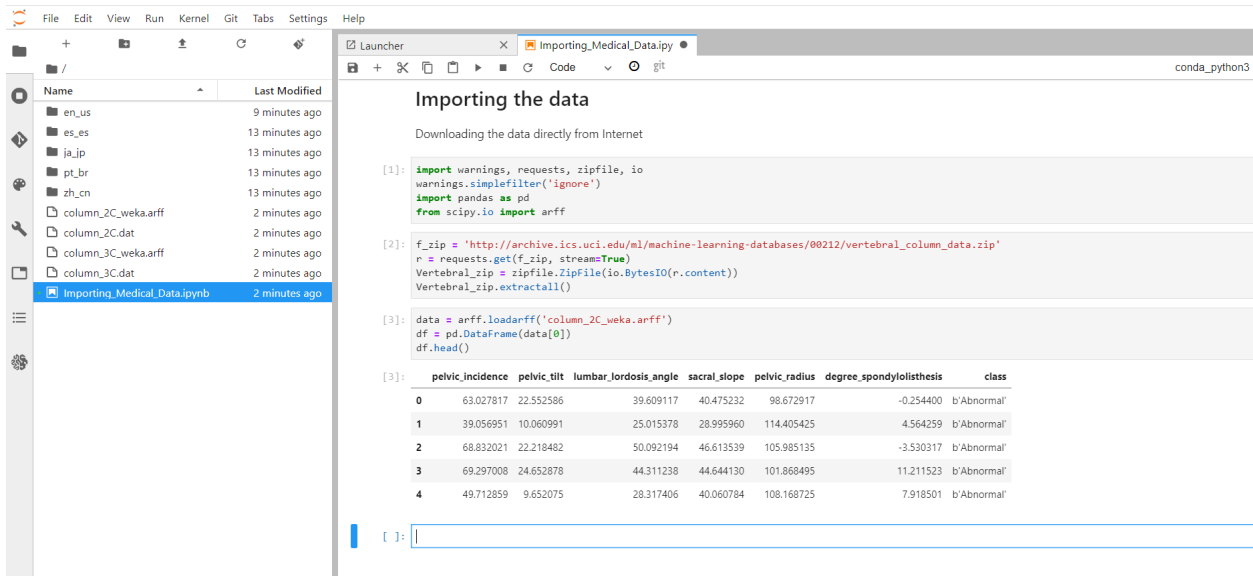
Ipynb files opens in a new window in Jupyter Lab



Creating New Notebook

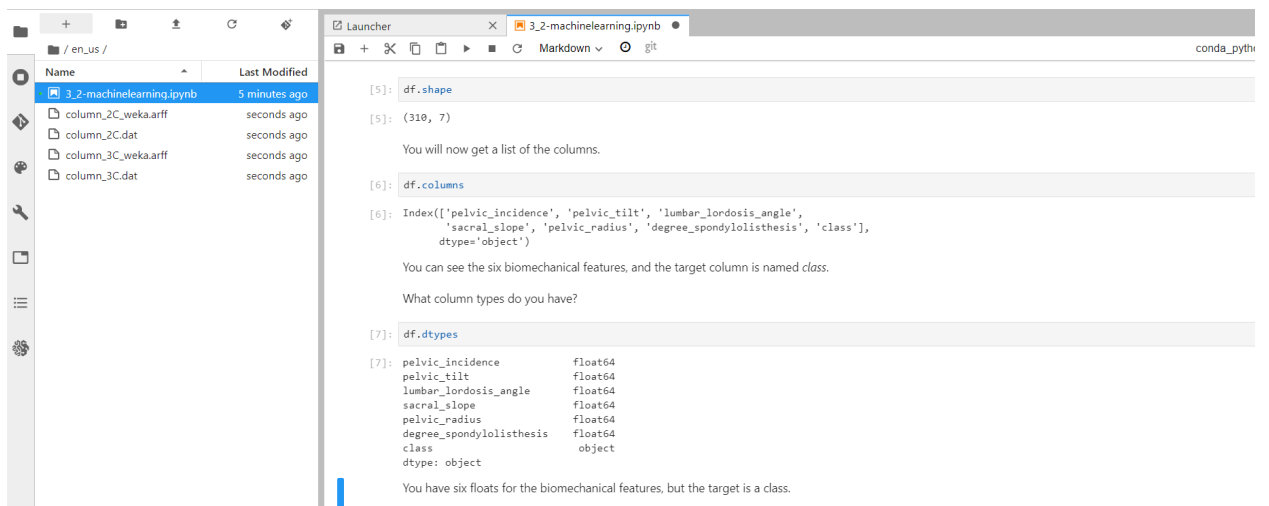


Selecting the Kernel for New Notebook



Working on New Notebook (Downloading and Importing Data)

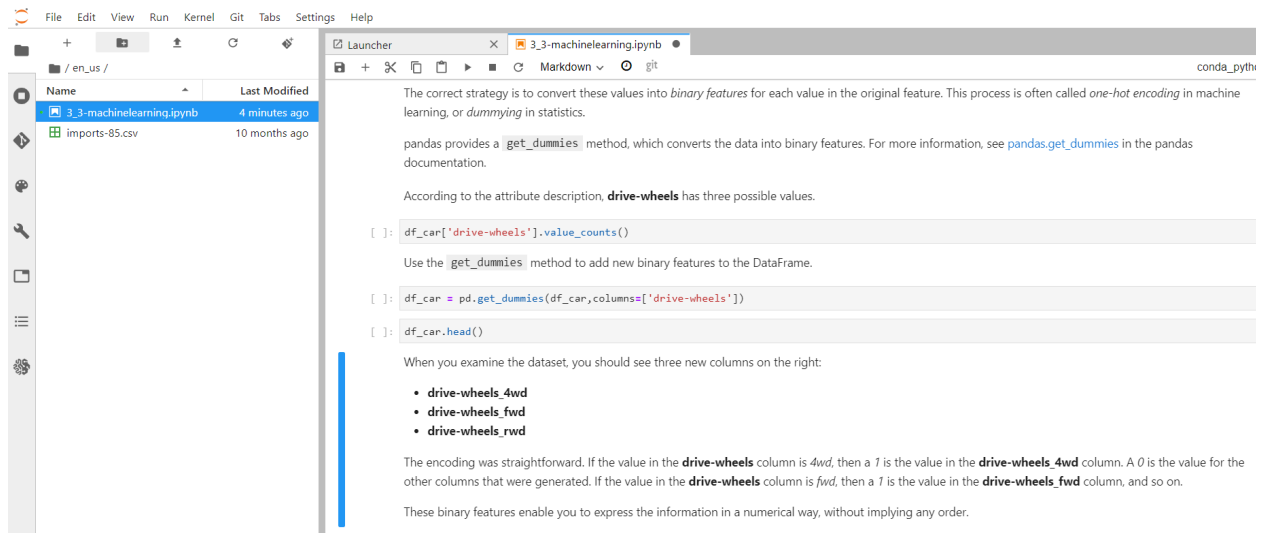
2. Exploring Data using Pandas, Matplotlib



Exploratory Data Analysis

3. Feature Engineering

- Cleaning Data
- Dealing with Outliers and Selecting Features
- Encoding Categorical Data



Encoding Categorical Data using Pandas (get_dummies) – AWS SageMaker Notebook