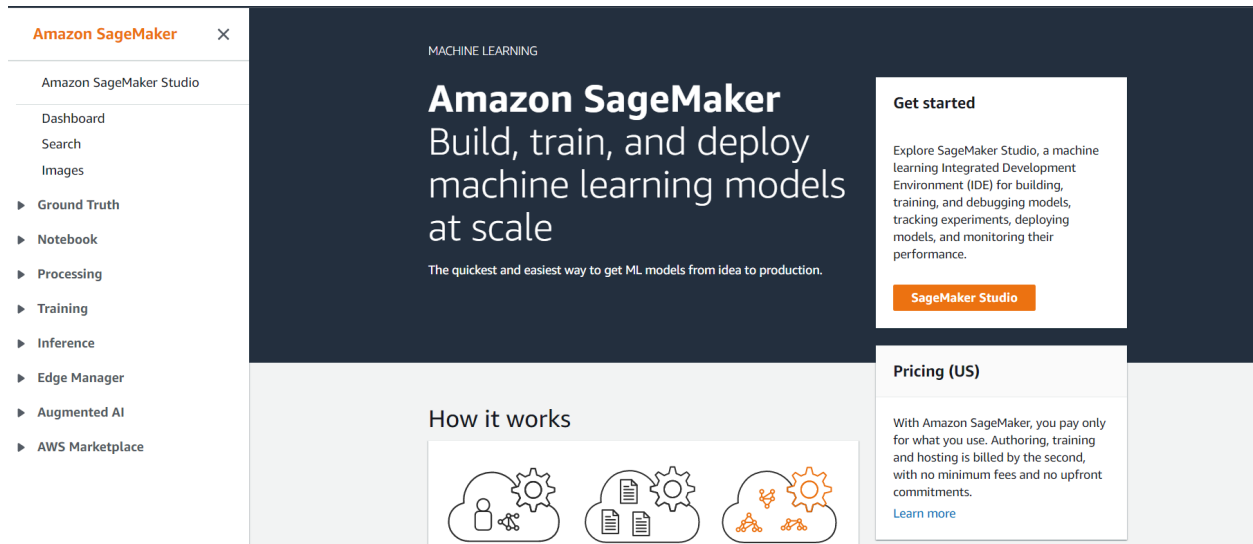


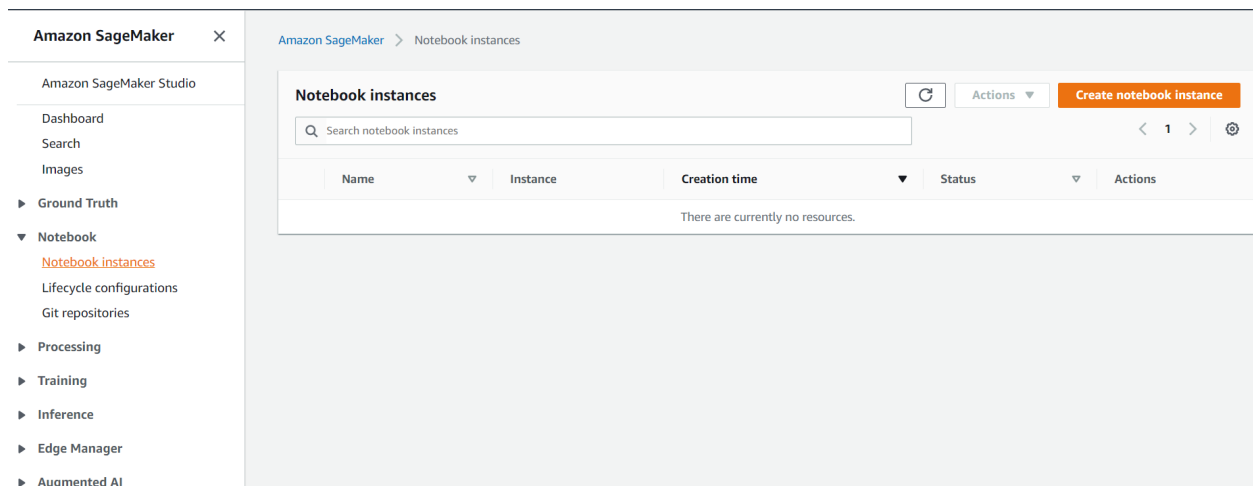
AWS SageMaker

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

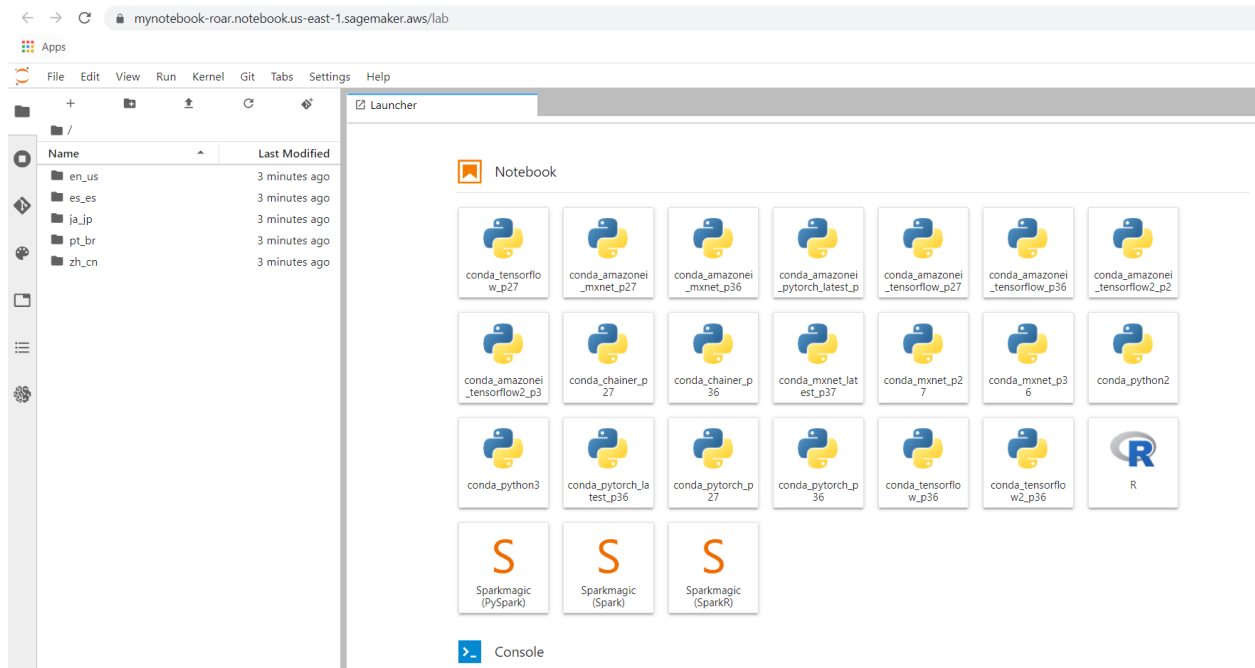
Search notebook instances

< 1 >

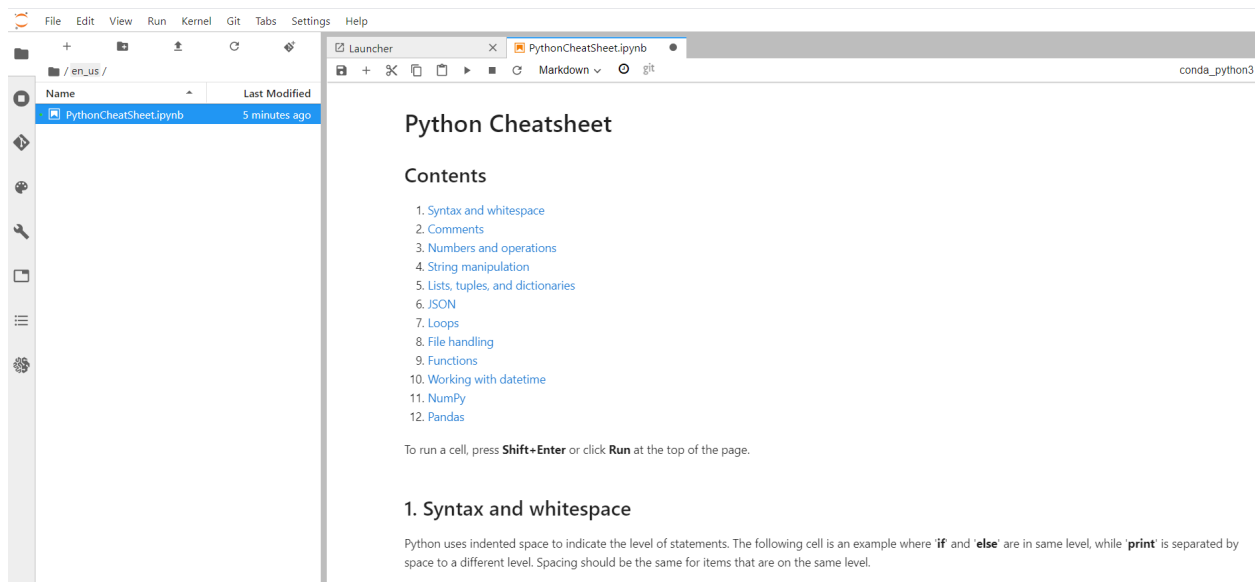
Create notebook instance

	Name	Instance	Creation time	Status	Actions
<input type="radio"/>	Mynotebook	ml.m4.xlarge	Sep 22, 2021 16:28 UTC	InService	Open Jupyter Open JupyterLab

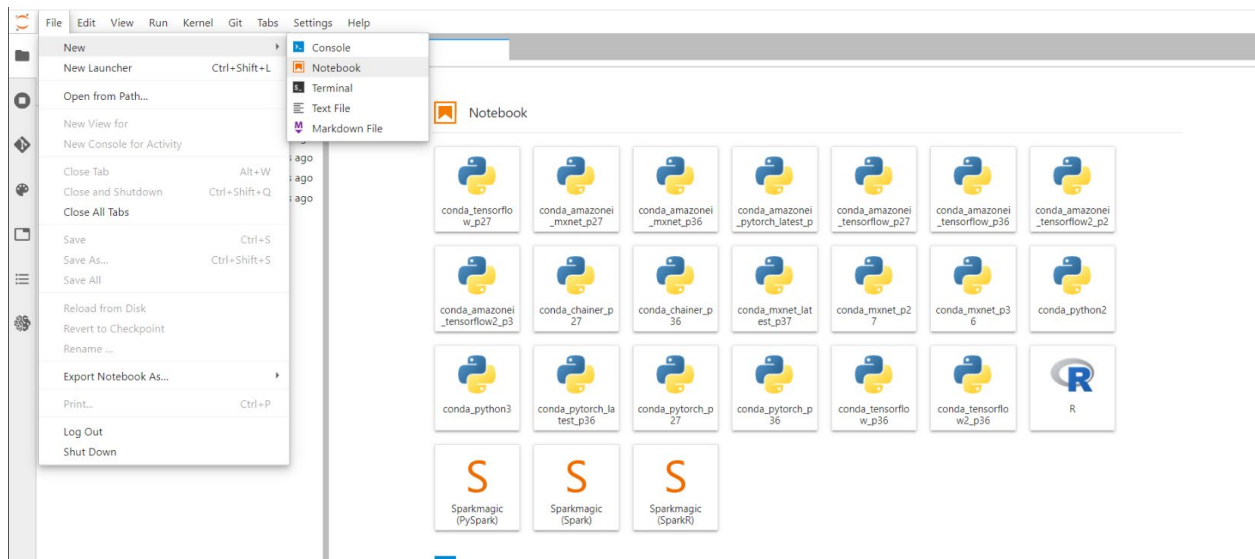
Notebook Successfully Created



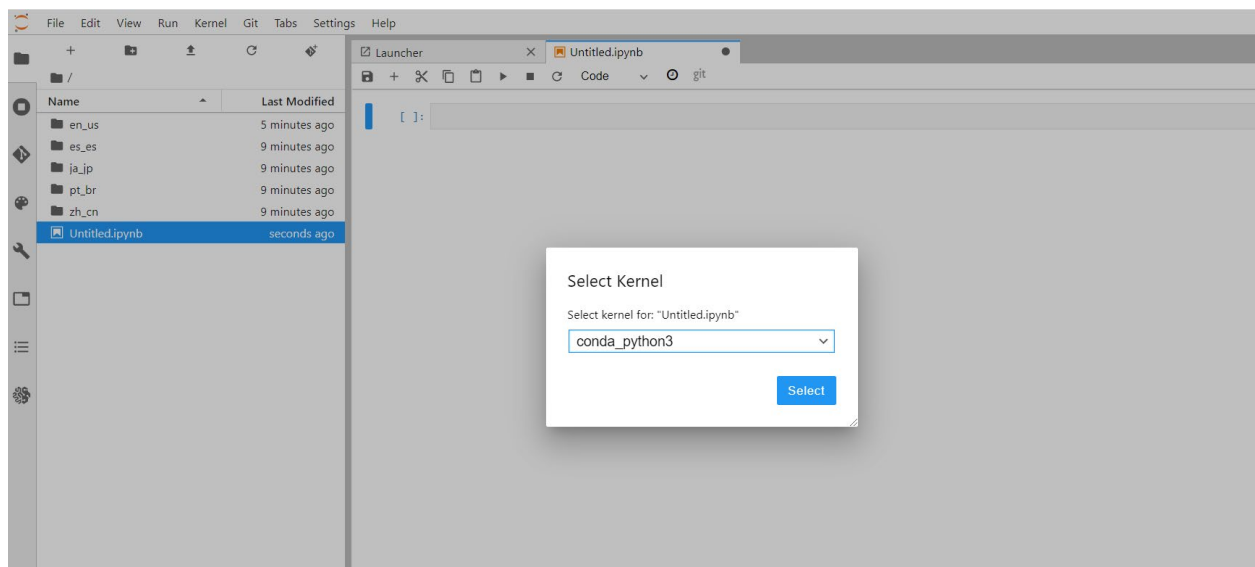
Jupyter Lab for the Notebook



Ipynb files opens in a new window in Jupyter Lab



Creating New Notebook



Selecting the Kernel for New Notebook

File Edit View Run Kernel Git Tabs Settings Help

Launcher x Importing_Medical_Data.ipynb conda_python3

Importing the data

Downloading the data directly from Internet

```
[1]: import warnings, requests, zipfile, io
warnings.simplefilter('ignore')
import pandas as pd
from scipy.io import arff

[2]: f_zip = 'http://archive.ics.uci.edu/ml/machine-learning-databases/00212/vertebral_column_data.zip'
r = requests.get(f_zip, stream=True)
Vertebral_zip = zipfile.ZipFile(io.BytesIO(r.content))
Vertebral_zip.extractall()

[3]: data = arff.loadarff('column_2C_weka.arff')
df = pd.DataFrame(data[0])
df.head()
```

	pelvic_incidence	pelvic_tilt	lumbar_lordosis_angle	sacral_slope	pelvic_radius	degree_spondylolisthesis	class
0	63.027817	22.552586	39.609117	40.475232	98.672917	-0.254400	b'Abnormal'
1	39.056951	10.060991	25.015378	28.995960	114.405425	4.564259	b'Abnormal'
2	68.832021	22.218482	50.092194	46.613539	105.985135	-3.530317	b'Abnormal'
3	69.297008	24.652878	44.311238	44.644130	101.868495	11.211523	b'Abnormal'
4	49.712859	9.652075	28.317406	40.060784	108.168725	7.918501	b'Abnormal'

[]:

Working on New Notebook (Downloading and Importing Data)