Scenario 1:

The below code creates the model with below URL

“s3://sagemaker-us-east-1-xxxx/sickit\_learn\_demo/model/sagemaker-scikit-learn-2021-09-16-18-12-13-077/output/model.tar.gz”

**Training code**

# We use the Estimator from the SageMaker Python SDK

from sagemaker.sklearn.estimator import SKLearn

FRAMEWORK\_VERSION = "0.23-1"

sklearn\_estimator = SKLearn(

output\_path= 's3://'+ bucket+'/sickit\_learn\_demo/model',

entry\_point="script.py",

role=get\_execution\_role(),

instance\_count=1,

instance\_type="ml.c5.xlarge",

framework\_version=FRAMEWORK\_VERSION,

#base\_job\_name="rf-scikit",

metric\_definitions=[{"Name": "median-AE", "Regex": "AE-at-50th-percentile: ([0-9.]+).\*$"}],

hyperparameters={

"n-estimators": 2,

"min-samples-leaf": 3,

"features": "CRIM ZN INDUS CHAS NOX RM AGE DIS RAD TAX PTRATIO B LSTAT",

"target": "target"

},

)

**Challenge**: The model is not created at root model directory (output\_path), instead it is created under a subfolder structure as “/sagemaker-scikit-learn-2021-09-16-18-12-13-077/output/model.tar.gz”. How can I force the script to create the model.tar.gz file directly under the (output\_path) without any subfolders

Scenario 2:

I am trying to host the model from the model location in s3 from code below

|  |  |
| --- | --- |
| from sagemaker.sklearn.model import SKLearnModel  model\_location='sourcedir.tar.gz'  model\_data = "s3://sagemaker-us-east-1-XXXX/sickit\_learn\_demo/model/sagemaker-scikit-learn-2021-09-16-18-12-13-077/output/model.tar.gz"  #model\_data ='s3://'+ bucket+'/sickit\_learn\_demo/'+ model\_location  FRAMEWORK\_VERSION = "0.23-1"  model = SKLearnModel(  model\_data=model\_data,  role=get\_execution\_role(),  entry\_point="script.py",  framework\_version=FRAMEWORK\_VERSION  ) | from sagemaker.model\_monitor import DataCaptureConfig  inference\_capture ='s3://'+ bucket+'/sickit\_learn\_demo/'  s3\_capture\_upload\_path = inference\_capture  print (s3\_capture\_upload\_path)  endpoint\_name = 'Sickit-Learn-latest0001b'  print("EndpointName={}".format(endpoint\_name))  data\_capture\_config = DataCaptureConfig(  enable\_capture=True,  sampling\_percentage=100,  destination\_s3\_uri=s3\_capture\_upload\_path)  predictor = model.deploy(initial\_instance\_count=1,  instance\_type='ml.m4.xlarge',  endpoint\_name=endpoint\_name,  data\_capture\_config=data\_capture\_config) |

**Challenge**: UnexpectedStatusException: Error hosting endpoint Sickit-Learn-latest0001b: Failed. Reason: Failed to extract model data archive for container "container\_1" from URL "s3://sagemaker-us-east-XXX/sickit\_learn\_demo/model/sagemaker-scikit-learn-2021-09-16-18-12-13-077/output/model.tar.gz". Please ensure that the object located at the URL is a valid tar.gz archive..

Note: I checked model exists on this location in s3 in my account