Lab: PMML in DSX

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Overview

In this lab you will learn how to import PMML files into DSX and configure them for scoring.

Required software, access, and files

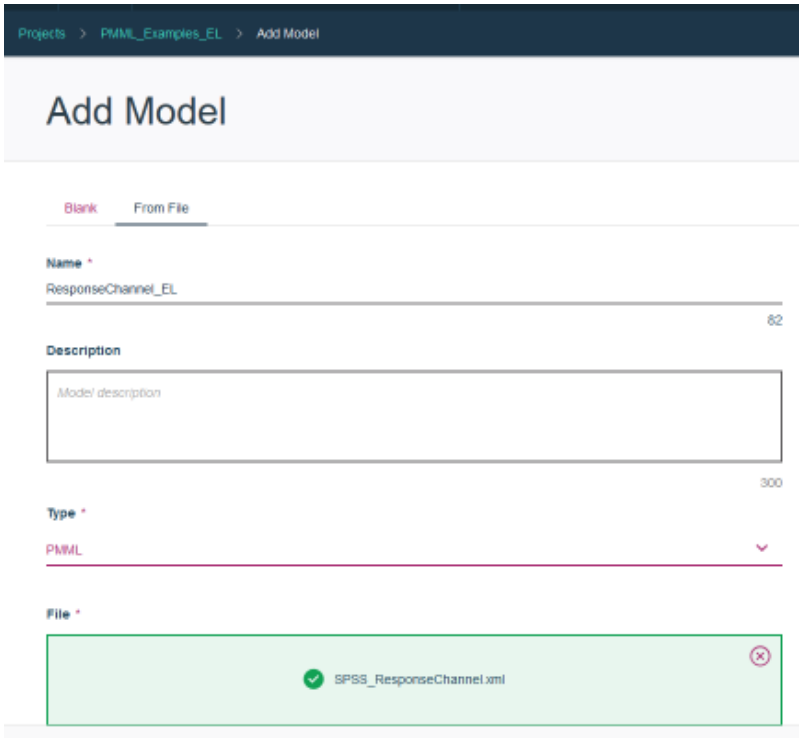
- To complete this lab, you will need access to a DSX Local cluster.
- You will also need to download and unzip this GitHub repository: https://github.com/elenalowery/DSX_Local_Workshop

Part 1: Create a DSX Project and Load Data

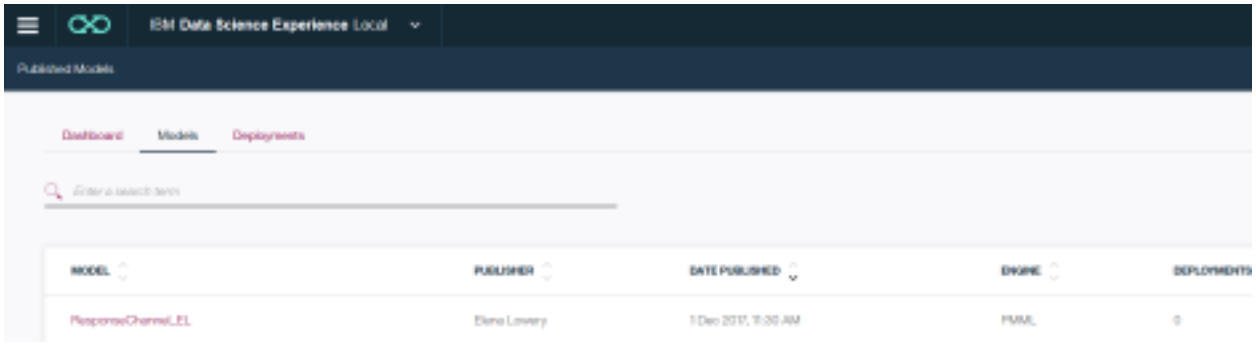
1. Log in to a **DSX Local cluster** and create a project. You can provide any name. In DSX Local project names must be unique within in a cluster. For example, add initials to the name of your project.

2. Switch to the **Assets** tab. Scroll to **Models** and click on **add model**. Provide model name (add your initials so that it's easier to find on a shared cluster).

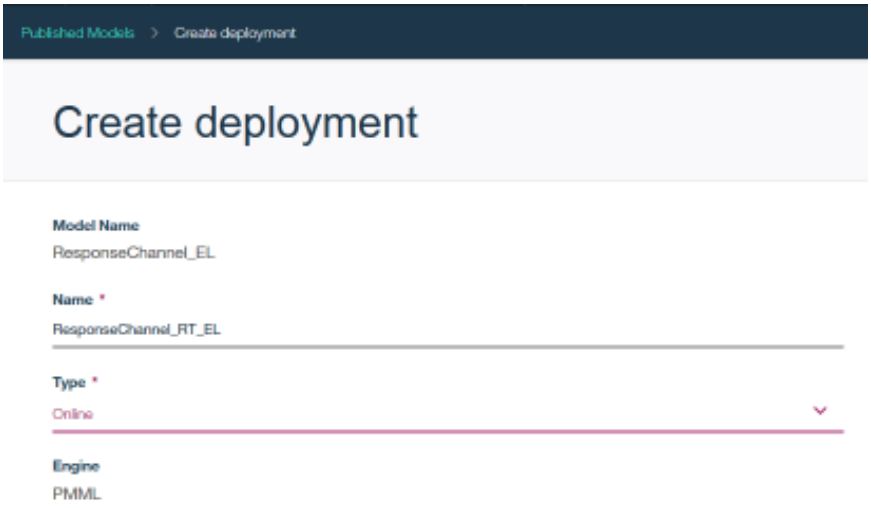
3. Click **Browse**. Navigate to the *PMML/PMML Files* folder of the unzipped GitHub repository and select *SPSS_ResponseChannel.xml*. Click **Create**.



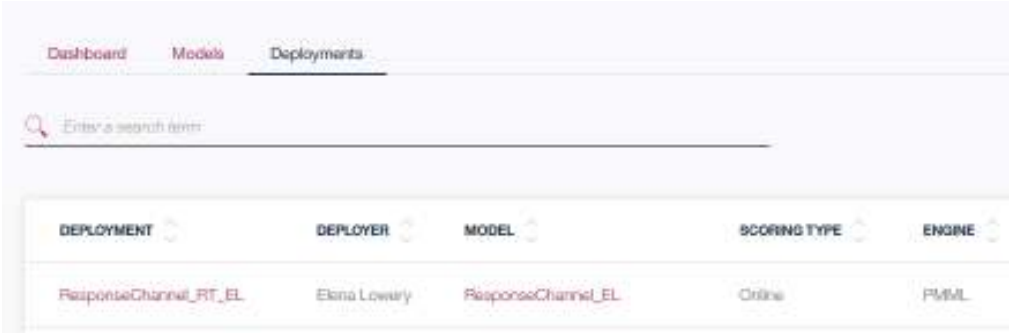
4. Navigate to the **Model Management** dashboard and click on **Models**.



5. Click on the ellipses and select **Deploy**. Provide deployment name and click **Create**.

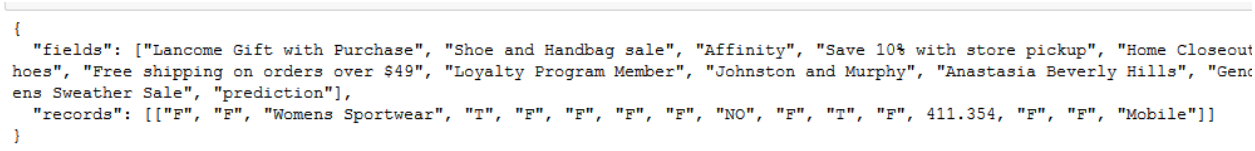


6. The deployed model is displayed in the **Deployments** tab.



7. We will test model deployed with a Notebook. Navigate to the Projects view, open the PMML project that you created, and create a new notebook **from file**. Browse to the *PMML/Notebooks* folder of the unzipped GitHub repository and import *PMMLTestClient.ipynb*.

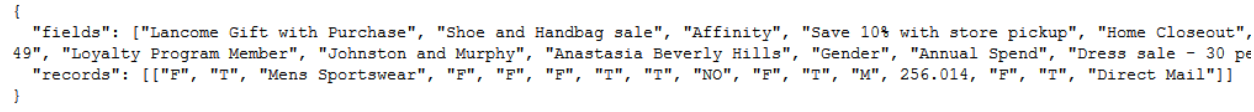
8. Replace *hostname*, *endpoint* and *userid/password* as indicated in the notebook and run it. The prediction is the last field (*Mobile* in the screenshot).



If you wish, you can change input data to the following:

```
12582,"M","Mens
    Sportswear",256.014000,"NO","Email",25601.400000,"T","T","F","F","F","F","T","T","F","T","F"
```

Then the prediction is to contact the customer via direct mail.



You have finished PMML in DSX Local lab.