

Instructions

These instructions are intended to help the reader access the experiments created in Machine Learning Studio and make predictions. Both experiments are stored on the Azure cloud in Azure AI Gallery.

The experiments are accessible on the following links:

- Training experiment: <https://gallery.azure.ai/Experiment/Num-calls-training-exp>
- Predictive experiment: <https://gallery.cortanaintelligence.com/Experiment/Num-calls-prediction-Predictive-Exp>

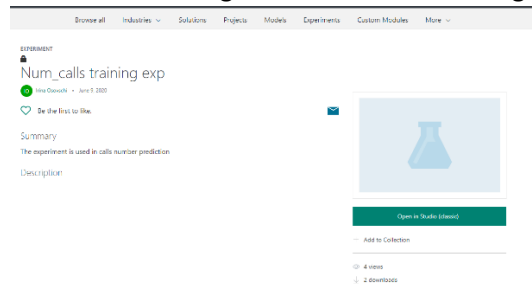
Requirements:

Create an account on Microsoft Azure Machine Learning. A free account for 12 months can be created by following these instructions: https://azure.microsoft.com/en-us/free/machine-learning/search/?&ef_id=EA1aIQobChMluvm3_ZL46QIVi-R3Ch0dVw_HEAAYASAAEgJM5PD_BwE:G:s&OCID=AID2000594_SEM_EA1aIQobChMluvm3_ZL46QIVi-R3Ch0dVw_HEAAYASAAEgJM5PD_BwE:G:s&dclid=CNesjf-S-OkCFQsc4AodygsFmA

HD Scenario

1. Access the link to the training experiment

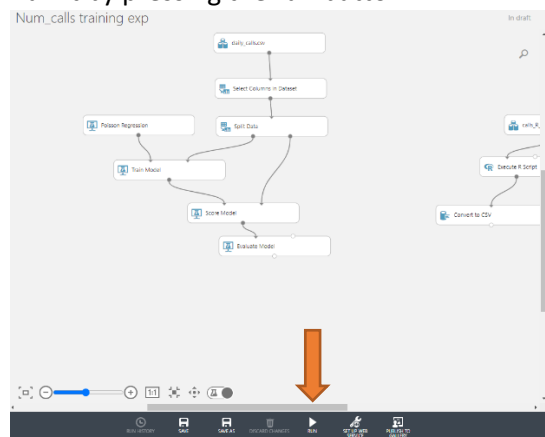
1.1 After accessing the link there will be a green button “Open in Studio(classic)”. Press it.



2. Machine Learning Studio opens and asks for copy permission. Agree.

3. Now the training experiment is in your workspace.

4. Run it by pressing the run button

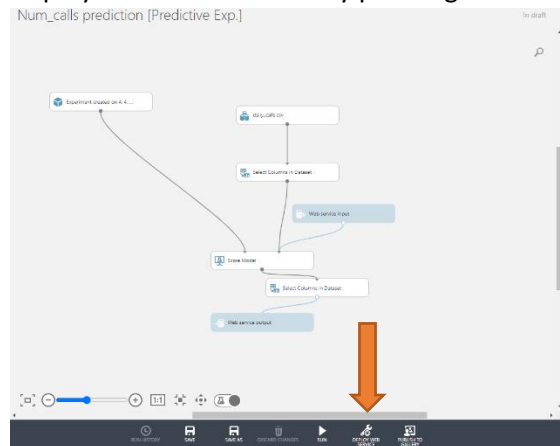


5. Access the link to the predictive experiment

5.1 After accessing the link there will be a green button “Open in Studio(classic)”. Press it.

6. Machine Learning Studio opens and asks for copy permission. Agree.

- Now the predictive experiment is in your workspace
- Run it by pressing the run button
- Deploy it as a web service by pressing the button “Deploy web service”



- Open the Web Services route

NAME	AUTHOR	STATUS	LAST EDITED	PROJECT	↓
Num_calls_training_exp	Utpal Ghoshal	Draft	5/10/2020 11:00:10 AM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Draft	6/10/2020 12:48:10 PM	None	
Num_calls_training_exp	Utpal Ghoshal	Finished	6/10/2020 12:39:10 PM	None	
Experiment created on 4...	Utpal Ghoshal	Finished	5/14/2020 11:00:10 AM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Finished	5/10/2020 8:48:10 PM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Finished	4/10/2020 10:10:10 AM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Finished	4/10/2020 10:10:10 AM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Finished	4/10/2020 10:10:10 AM	None	
Num_calls_prediction (Ph...	Utpal Ghoshal	Finished	4/10/2020 10:10:10 AM	None	
Experiment created on 4...	Utpal Ghoshal	Draft	4/10/2020 8:27:10 PM	None	
First try 23.02.2020	Utpal Ghoshal	Draft	3/23/2020 11:12:10 AM	None	
Sample 5: Train, Test, Eval...	Utpal Ghoshal, Team	Finished	5/10/2020 10:48:10 AM	None	
Sample 5: Cross Validation...	Utpal Ghoshal, Team	Draft	5/10/2020 10:48:10 AM	None	

- Open the recently created web service
- Start testing by pressing test

General New Web Services Experience new

Published experiment View snapshot View latest

Description No description provided for this web service.

API key XXXZK190LAPPC2ZKYNK380uvmD/nzfo+A6QjVHfBtAgawHsP8b5jpcvZnhoC3Vt8CqftZLDBZmkag==

Default Endpoint API HELP PAGE

TEST

REQUEST RESPONSE BATCH EXECUTION

APPS

LAST UPDATED

- Fill in the parameters (required are Date, Days_Since_release_Cap, Day_Cat) and send the request

Test Experiment created on 4. 4. 2020 [Predictive Exp.] Service

Enter data to predict

DATE 2023-09-17T00:00:00

NUM_CALLS 0

DAYS_SINCE_RELEASE_CAP 10

DAY_CAT Friday

- The result comes in JSON format and can be seen at the bottom of the page

✓ 'Experiment created on 4. 4. 2020 [Predictive Exp.]' test returned [{"88.4677733182907"}]

15. Look in for the number of employees in the optimization table

num_calls	q	num_calls	q	num_calls	q	num_calls	q	num_calls	q
1	1	28	3	55	4	82	5	109	6
2	1	29	3	56	4	83	5	110	6
3	1	30	3	57	4	84	5	111	6
4	1	31	3	58	4	85	5	112	6
5	2	32	3	59	4	86	5	113	6
6	2	33	3	60	4	87	5	114	6
7	2	34	3	61	4	88	5	115	6
8	2	35	3	62	4	89	5	116	6
9	2	36	3	63	4	90	5	117	6
10	2	37	3	64	4	91	5	118	6

Input columns

Name	Type	Description	Allowed values
date	Object	Date	Format: YYYY-MM-DDT00:00:00
num_calls	Numeric	Number of calls	Leave default 0
days_since_release_cap	Numeric	Days since release	0,1...,20
day_cat	String	Day category	One of: <i>Working days w/o Friday</i> <i>Friday</i> <i>Weekend / Holiday</i>

Detailed Request Response API Documentation for the experiment can be accessed by pressing REQUEST/RESPONSE:

DASHBOARD CONFIGURATION

General [New Web Services Experience preview](#)

Published experiment

[View snapshot](#) [View latest](#)

Description

No description provided for this web service.

API key

```
XXKYZKC190LNPPOZOKyNk380uvm8D/zfo+A60jHVfBAPgawHsaPGB5jqcVZnhoO5YOT6QoF0ZLD8ZmKke==
```

Default Endpoint

API HELP PAGE	TEST	APPS	LAST UPDATED
REQUEST/RESPONSE	Test Test preview	Excel 2013 or later Excel 2010 or earlier workbook	5/2/2020 8:48:57 PM
BATCH EXECUTION	Test preview	Excel 2013 or later workbook	5/2/2020 8:48:57 PM