

Request Response API Documentation for Classification-Forest [Predictive Exp.]

Updated: 08/02/2017 23:34

No description provided for this web service.

- [Previous version of this API](#)
- [Submit a request](#)
- [Input Parameters](#)
- [Output Parameters](#)
- [Web App Template for RRS](#)
- [Sample Code](#)
- [API Swagger Document](#)
- [Endpoint Managment Swagger Document](#)

Request

Method	Request URI	HTTP Version
POST	<code>https://ussouthcentral.services.azureml.net/workspaces/f4a5c63f0e6a40e2a8b4244226a5c91f/services/2d21d68c52644db99f9ce443e15d1e39/execute?api-version=2.0&details=true</code>	HTTP/1.1

*Note: You may omit the **details** parameter from the query string. This would cause **ColumnTypes** to be omitted from the output*

Request Headers

Request Header	Description
<code>Authorization:Bearer abc123</code>	Required. Pass the API Key here. Obtain this key from the publisher of the API.
<code>Content-Length</code>	Required. The length of the content body.
<code>Content-Type:application/json</code>	Required if the request body is sent in JSON format.

Accept: application/json

Optional. Use the header to receive the response in JSON format.

Request Body

Sample Request

```
{
  "Inputs": {
    "input1": {
      "ColumnNames": [
        "current_upb",
        "delq_sts",
        "loan_age",
        "mths_remng",
        "repch_flag",
        "flag_mod",
        "cd_zero_bal",
        "current_int_rt",
        "non_int_brng_upb",
        "mi_recoveries",
        "net_sale_proceeds",
        "non_mi_recoveries",
        "expenses",
        "legal_costs",
        "maint_pres_costs",
        "taxes_ins_costs",
        "misc_costs",
        "actual_loss",
        "modcost"
      ],
      "Values": [
        "0",
        "N",
        "0",
        "0",
        "N",
        "N",
        "00",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0"
```

```

        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0"
    ],
    [
        "0",
        "N",
        "0",
        "0",
        "N",
        "N",
        "00",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0"
    ]
]
}
},
"GlobalParameters": {}
}

```

Response

Status Code

A successful operation returns status code 200 (OK)

For information about error codes, see [Common REST API Errors Codes](#)

Response Headers

The response may include standard HTTP headers. All standard headers conform to the [HTTP/1.1 protocol specification](#)

Response Header	Description
<i>Content-Type:application/json</i>	Indicates that the content body is in json format.

Response Body

Sample Response

```
{
  "Results": {
    "output1": {
      "type": "DataTable",
      "value": {
        "ColumnNames": [
          "current_upb",
          "loan_age",
          "mths_remng",
          "current_int_rt",
          "non_int_brng_upb",
          "mi_recoveries",
          "net_sale_proceeds",
          "non_mi_recoveries",
          "expenses",
          "legal_costs",
          "maint_pres_costs",
          "taxes_ins_costs",
          "misc_costs",
          "actual_loss",
          "modcost",
          "delq_sts.Y",
          "flag_mod.Y",
          "repch_flag.O",
          "repch_flag.Y",
          "cd_zero_bal.1",
          "cd_zero_bal.3",
          "cd_zero_bal.6",
          "cd_zero_bal.9",
          "Scored Labels",
          "Scored Probabilities"
        ],
        "ColumnTypes": [
```

[illegible]

[illegible]

Input name: *input1*

Input type: DataTable

Input columns:

Name	Type	Description	Allowed values
current_upb	Numeric		
delq_sts	Categorical		N, Y
loan_age	Numeric		
mths_remng	Numeric		
repch_flag	Categorical		N, O, Y
flag_mod	Categorical		N, Y
cd_zero_bal	Categorical		00, 1, 3, 6, 9
current_int_rt	Numeric		
non_int_brng_upb	Numeric		
mi_recoveries	Numeric		
net_sale_proceeds	Numeric		
non_mi_recoveries	Numeric		
expenses	Numeric		

legal_costs	Numeric
maint_pres_costs	Numeric
taxes_ins_costs	Numeric
misc_costs	Numeric
actual_loss	Numeric
modcost	Numeric

Output Parameters

Output name: *output1*

Output type: DataTable

Output columns:

Name	Type	Description	Allowed values
current_upb	Numeric		
loan_age	Numeric		
mths_remng	Numeric		
current_int_rt	Numeric		
non_int_brng_upb	Numeric		

mi_recoveries	Numeric	
net_sale_proceeds	Numeric	
non_mi_recoveries	Numeric	
expenses	Numeric	
legal_costs	Numeric	
maint_pres_costs	Numeric	
taxes_ins_costs	Numeric	
misc_costs	Numeric	
actual_loss	Numeric	
modcost	Numeric	
delq_sts.Y	Categorical	0, 1
flag_mod.Y	Numeric	
repch_flag.O	Numeric	
repch_flag.Y	Numeric	
cd_zero_bal.1	Numeric	

cd_zero_bal.3	Numeric	
cd_zero_bal.6	Numeric	
cd_zero_bal.9	Numeric	
Scored Labels	Categorical	0, 1
Scored Probabilities	Numeric	

Sample Code

C#

Python

R

Select sample code

```
// This code requires the Nuget package Microsoft.AspNet.WebApi.Client to be instal
// Instructions for doing this in Visual Studio:
// Tools -> Nuget Package Manager -> Package Manager Console
// Install-Package Microsoft.AspNet.WebApi.Client

using System;
using System.Collections.Generic;
using System.IO;
using System.Net.Http;
using System.Net.Http.Formatting;
using System.Net.Http.Headers;
using System.Text;
using System.Threading.Tasks;

namespace CallRequestResponseService
{
    public class StringTable
    {
        public string[] ColumnNames { get; set; }
        public string[, ] Values { get; set; }
    }

    class Program
    {
```

```
static void Main(string[] args)
{
```