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

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No description provided for this web service.

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Request

Method	Request URI	HTTP Version
POST	https://ussouthcentral.services.azureml.net/workspaces/f4a5c63f0e6a40e2a8b4244226a5c91f/services/1be63e6a2a4c4813a785d6bce05c905d/execute?api-version=2.0&details=true	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
Authorization:Bearer abc123	Required. Pass the API Key here. Obtain this key from the publisher of the API.
Content-Length	Required. The length of the content body.
Content-Type:application/json	Required if the request body is sent in JSON format.

Request Body

Sample Request

```json
{
  "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",
                    "N",
                    "0",
                    "0",
                    "N",
                    "N",
                    "00",
                    "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
Content-Type:application/json	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": [
```

```
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Categorical",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Numeric",
            "Categorical",
            "Numeric"
        ],
        "Values": [
          [
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
```

                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0"
                    ],
                    [
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0",
                        "0"
                    ]
                ]
            }
          }
        }
      }
    }

Input Parameters

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

```csharp
// 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
    {
```

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