

Request Response API Documentation for Prediction-LinearRegression [Predictive Exp.]

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No description provided for this web service.

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Request

Method	Request URI	HTTP Version
POST	<code>https://ussouthcentral.services.azureml.net/workspaces/f4a5c63f0e6a40e2a8b4244226a5c91f/services/866d0e49304f4ae5a76267ee0141aa3a/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": [
        "fico",
        "flag_fthb",
        "cd_msa",
        "mi_pct",
        "cnt_units",
        "occpys",
        "cltv",
        "dti",
        "orig_upb",
        "ltv",
        "int_rt",
        "channel",
        "ppmt_pnlty",
        "prop_type",
        "loan_purpose",
        "orig_loan_term",
        "cnt_borr"
      ],
      "Values": [
        "0",
        "N",
        "N",
        "0",
        "0",
        "I",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "0",
        "B",
        "N",
        "CO"
      ]
    }
  }
}
```

```

        "C",
        "0",
        "0"
    ],
    [
        "0",
        "N",
        "N",
        "0",
        "0",
        "I",
        "0",
        "0",
        "0",
        "0",
        "0",
        "B",
        "N",
        "CO",
        "C",
        "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": [  
          "fico",  
          "mi_pct",  
          "cnt_units",  
          "cltv",  
          "dti",  
          "orig_upb",  
          "ltv",  
          "int_rt",  
          "orig_loan_term",  
          "cnt_borr",  
          "flag_fthb.Y",  
          "cd_msa.Y",  
          "ppmt_pnlty.Y",  
          "occpy_sts.O",  
          "occpy_sts.S",  
          "channel.C",  
          "channel.R",  
          "channel.T",  
          "prop_type.CP",  
          "prop_type.LH",  
          "prop_type.MH",  
          "prop_type.PU",  
          "prop_type.SF",  
          "loan_purpose.N",  
          "loan_purpose.P",  
          "Scored Labels"  
        ],  
        "ColumnTypes": [  
          "Numeric",  
          "Numeric",  
          "Numeric",  
          "Numeric",  
          "Numeric",  
          "Numeric",
```

[illegible]

[illegible]

Input Parameters

Input name: *input1*

Input type: DataTable

Input columns:

Name	Type	Description	Allowed values
fico	Numeric		
flag_fthb	Categorical		N, Y
cd_msa	Categorical		N, Y
mi_pct	Numeric		
cnt_units	Numeric		
occpy_sts	Categorical		I, O, S
cltv	Numeric		
dti	Numeric		
orig_upb	Numeric		
ltv	Numeric		
int_rt	Numeric		
channel	Categorical		B, C, R, T
ppmt_pnlty	Categorical		N, Y
prop_type	Categorical		CO, CP, LH, MH, PU, SF

loan_purpose	Categorical	C, N, P
orig_loan_term	Numeric	
cnt_borr	Numeric	

Output Parameters

Output name: *output1*

Output type: DataTable

Output columns:

Name	Type	Description	Allowed values
fico	Numeric		
mi_pct	Numeric		
cnt_units	Numeric		
cltv	Numeric		
dti	Numeric		
orig_upb	Numeric		
ltv	Numeric		
int_rt	Numeric		

orig_loan_term	Numeric
cnt_borr	Numeric
flag_fthb.Y	Numeric
cd_msa.Y	Numeric
ppmt_pnlty.Y	Numeric
occpy_sts.O	Numeric
occpy_sts.S	Numeric
channel.C	Numeric
channel.R	Numeric
channel.T	Numeric
prop_type.CP	Numeric
prop_type.LH	Numeric
prop_type.MH	Numeric
prop_type.PU	Numeric
prop_type.SF	Numeric

loan_purpose.N	Numeric
loan_purpose.P	Numeric
Scored Labels	Numeric

Sample Code

C#

Python

R

Select sample code

```
// This code requires the Nuget package Microsoft.AspNet.WebApi.Client to be installed
// 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)
        {
            // ...
        }
    }
}
```