Request Response API Documentation for Prediction-DecisionForest [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/6042cf6a9108480ca53fe4d283349742/exe-cute?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.

| 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",
        "occpy_sts",
        "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",
          "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
Content-Type:application/json	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 Label Mean",
          "Scored Label Standard Deviation"
        ],
        "ColumnTypes": [
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
```

          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
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          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric",
          "Numeric"
        ],
        "Values": [
          [
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
            "0",
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            "0",
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                        "0",
                        "0"
                    ],
                    [
                        "0",
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                        "0",
                        "0",
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                        "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
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 Label Mean	Numeric
Scored Label Standard Deviation	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
    {
```

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