

Request Response API Documentation for Boosted-Decision-Tree [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/f71a5431f2d442ab993c9386b92907c4/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. |

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

Sample Request

[illegible]

[illegible]

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": [
          "Barometric pressure",
          "Black carbon PM2.5 STP",
          "Carbon monoxide",
          "Nitric oxide (NO)",
          "Nitrogen dioxide (NO2)",
          "Outdoor Temperature",
          "Oxides of nitrogen (NOx)",
          "Ozone",
          "PM10 - LC",
          "PM10 Total 0-10um STP",
          "PM10-2.5 - Local Conditions",
          "Reactive oxides of nitrogen (NOy)",
          "Relative Humidity",
          "Solar radiation",
          "Sulfate (TSP) STP",
          "Sulfur dioxide",
          "Total NMOC (non-methane organic compound)",
          "Wind Direction - Resultant",
          "Wind Direction - Scalar",
          "Wind Speed - Resultant",
          "Wind Speed - Scalar",
        ]
      }
    }
  }
}
```

[illegible]

| Name | Type | Description | Allowed values |
|------|------|-------------|----------------|
|------|------|-------------|----------------|

| | |
|-----------------------------------|---------|
| Barometric pressure | Numeric |
| Black carbon PM2.5 STP | Numeric |
| Carbon monoxide | Numeric |
| Nitric oxide (NO) | Numeric |
| Nitrogen dioxide (NO2) | Numeric |
| Outdoor Temperature | Numeric |
| Oxides of nitrogen (NOx) | Numeric |
| Ozone | Numeric |
| PM10 - LC | Numeric |
| PM10 Total 0-10um STP | Numeric |
| PM10-2.5 - Local Conditions | Numeric |
| Reactive oxides of nitrogen (NOy) | Numeric |
| Relative Humidity | Numeric |
| Solar radiation | Numeric |
| Sulfate (TSP) STP | Numeric |

| | |
|---|---------|
| Sulfur dioxide | Numeric |
| Total NMOC (non-methane organic compound) | Numeric |
| Wind Direction - Resultant | Numeric |
| Wind Direction - Scalar | Numeric |
| Wind Speed - Resultant | Numeric |
| Wind Speed - Scalar | Numeric |

Output Parameters

Output name: *output1*

Output type: DataTable

Output columns:

| Name | Type | Description | Allowed values |
|------------------------|---------|-------------|----------------|
| Barometric pressure | Numeric | | |
| Black carbon PM2.5 STP | Numeric | | |
| Carbon monoxide | Numeric | | |
| Nitric oxide (NO) | Numeric | | |
| Nitrogen dioxide (NO2) | Numeric | | |

| | |
|---|---------|
| Outdoor Temperature | Numeric |
| Oxides of nitrogen (NOx) | Numeric |
| Ozone | Numeric |
| PM10 - LC | Numeric |
| PM10 Total 0-10um STP | Numeric |
| PM10-2.5 - Local Conditions | Numeric |
| Reactive oxides of nitrogen (NOy) | Numeric |
| Relative Humidity | Numeric |
| Solar radiation | Numeric |
| Sulfate (TSP) STP | Numeric |
| Sulfur dioxide | Numeric |
| Total NMOC (non-methane organic compound) | Numeric |
| Wind Direction - Resultant | Numeric |
| Wind Direction - Scalar | Numeric |
| Wind Speed - Resultant | Numeric |

Wind Speed - Scalar

Numeric

Scored Labels

Numeric

Sample Code

C#

Python

R

Select sample code

```
import urllib2
# If you are using Python 3+, import urllib instead of urllib2

import json

data = {

    "Inputs": {

        "input1": {
            "ColumnNames": ["Barometric pressure", "Black carbon PM2.5 STP"]
            "Values": [ [ "0", "0", "0", "0", "0", "0", "0", "0", "0", "0",
            },
            },
        "GlobalParameters": {

    }

}

body = str.encode(json.dumps(data))

url = 'https://ussouthcentral.services.azureml.net/workspaces/f4a5c63f0e6a40e2a8b42-
api_key = 'abc123' # Replace this with the API key for the web service
headers = {'Content-Type': 'application/json', 'Authorization': ('Bearer ' + api_key)}

req = urllib2.Request(url, body, headers)
```