

Help Manual

Here in this task I have created three apis. Description are mentioned below:

1. Created rest api to upload a csv file at server, then created a global pandas dataframe object. This dataframe object can be used with other apis. The benefit of having global dataframe object is that we need not read file again and again when other apis are consumed.

Api Url: 127.0.0.1:5002/uploader

POST 127.0.0.1:5002/uploader Params Send Save Authorization Headers Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

Key	Value	Description	...	Bulk Edit
file	Choose Files test.csv			
New key	Value	Description		

Body Cookies Headers (4) Test Results Status: 200 OK Time: 98 ms

Pretty Raw Preview JSON

```
1 "Categorical Columns or Non-numerical Columns": [
2     "Ship Mode",
3     "Order Date",
4     "Order ID",
5     "Ship Date",
6     "Category",
7     "Product Name",
8     "City",
9     "Segment",
10    "Country",
11    "Sub-Category",
12    "State",
13    "Customer ID",
14    "Customer Name",
15    "Product ID",
16    "Region"
17]
```

2. Created a api to get info of csv file uploaded on server.

Api url: 127.0.0.1:5002/getfileinfo

GET 127.0.0.1:5002/getfileinfo Params Send Save Authorization Headers Body Pre-request Script Tests Code

Type No Auth

Body Cookies Headers (4) Test Results Status: 200 OK Time: 91 ms

Pretty Raw Preview JSON

```
1 {
2     "Categorical Columns or Non-numerical Columns": [
3         "Ship Mode",
4         "Order Date",
5         "Order ID",
6         "Ship Date",
7         "Category",
8         "Product Name",
9         "City",
10        "Segment",
11        "Country",
12        "Sub-Category",
13        "State",
14        "Customer ID",
15        "Customer Name",
16        "Product ID",
17        "Region"
18    ],
19    "Numeric Columns": [
20        ...
21    ]
22}
```

3. In this api we pass two column name. In which one is categorical column and one is numerical column. Api return the name of category that holds the maximum groupby sum on that numerical column.

Api Url: 127.0.0.1:5002/check?cat=Ship Mode&num=Sales

The screenshot shows the Postman interface for testing an API endpoint. The top bar indicates a GET request to the URL 127.0.0.1:5002/check?cat=Ship Mode&num=Sales. The 'Params' tab is visible. Below the URL, there is a table for parameters:

Key	Value	Description
<input checked="" type="checkbox"/> cat	Ship Mode	
<input checked="" type="checkbox"/> num	Sales	
New key	Value	Description

Below the table are tabs for Authorization, Headers, Body, Pre-request Script, Tests, and Code. The 'Body' tab is selected, showing the response content:

Type: No Auth

Body (Pretty, Raw, Preview, HTML, JSON)

Test Results

Status: 200 OK Time: 106 ms

i 1 Category - 'Standard Class' of column 'Ship Mode' has maximum groupby sum for 'Sales'