

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
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 {
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 }
```

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

GET

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

Params

Send

Save

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

Authorization

Headers

Body

Pre-request Script

Tests

Code

Type

No Auth

Body

Cookies

Headers (4)

Test Results

Status: 200 OK

Time: 106 ms

Pretty

Raw

Preview

HTML

i 1

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