

## **JSON API with Pandas orient='values'**

```
import pandas as pop

pp={"India":[ 1,2,3,4,5], "America":[8,9,10,7,3],"Europe":[6,8,3,6,5]}

census=pop.DataFrame( pp)

obj=pop.read_json ( 'population.json' ,orient='values')

print (obj)

obj.to_csv('res_values.csv')
```

Done

SettingsToolsHelp

File(s)...

URL(s)...

```
import pandas as pop
pp={"India":[1,2,3,4,5], "America":[8,9,10,7,3], "Europe":[6,8,3,6,5]}
census=pop.DataFrame(pp)
obj=pop.read_json('population.json', orient='values')
print(obj)
obj.to_csv('res_values.csv')
```

Clear

Convert

Type here to search

13:06

21-10-2023

# OUTPUT

The screenshot shows a Jupyter Notebook interface with a code cell containing the following Python code:

```
import pandas as pop
pp={"India":[ 1,2,3,4,5], "America":[8,9,10,7,3],"Europe":[6,8,3,6,5]}
census=pop.DataFrame(pp)
obj=pop.read_json('population.json',orient='values')
print(obj)
obj.to_csv('res_values.csv')
```

Below the code cell is a 'Clear' button. To the right, a Microsoft Excel window titled '41gq - Microsoft Excel' displays the resulting data as a table:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	India	America	Europe												
2		1	8	6											
3		2	9	8											
4		3	10	3											
5		4	7	6											
6		5	3	5											
7															
8															
9															
10															
11															
12															
13															
14															

The Excel window includes a ribbon with tabs for File, Home, Insert, Page Layout, Formulas, Data, Review, and View. The 'Home' tab is active, showing options for Font, Alignment, Number, Styles, Cells, and Editing. The status bar at the bottom indicates 'Ready' and '100%' zoom.

## JSON API with Pandas orient='records'

```
import pandas as pop
```

```
pp={"India":[ 100000,200000,300000,400000,500000],  
"China":[800000,900000,1000000,700000,300000],"South  
Africa":[600000,800000,300000,600000,500000]}
```

```
census=pop.DataFrame( pp)
```

```
obj=pop.read_json ( 'population.json' ,orient='records')
```

```
print (obj)
```

```
obj.index+=1
```

```
obj.to_csv('res_records.csv')
```

Done

SettingsToolsHelp

File(s)...

URL(s)...

```
import pandas as pop
pp={"India":[ 100000,200000,300000,400000,500000], "China":[800000,900000,1000000,700000,300000], "South Africa":[600000,800000,300000,600000,500000]}
census=pop.DataFrame(pp)
obj=pop.read_json ( 'population.json' ,orient='records')
print (obj)
obj.index+=1
obj.to_csv('res_records.csv')
```

Clear

Convert

Type here to search

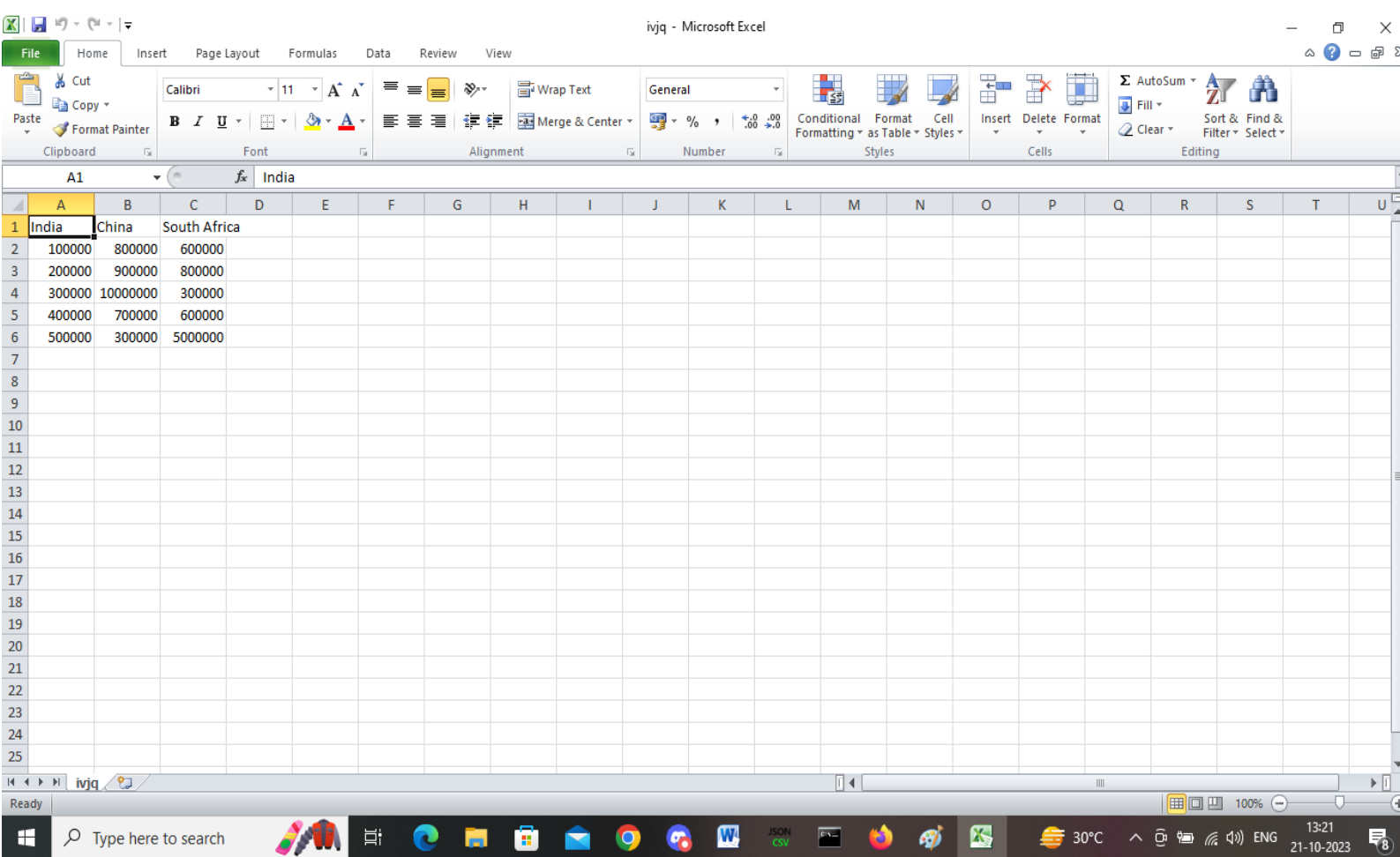
30°C

13:20

21-10-2023

ENG

# OUTPUT



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	India	China	South Africa																		
2	100000	800000	600000																		
3	200000	900000	800000																		
4	300000	1000000	300000																		
5	400000	700000	600000																		
6	500000	300000	500000																		
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					

JSON API with Pandas orient='split'

```
import pandas as pop
```

```
obj.to_csv('res_split.csv')
```

mq8t - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment Number Styles Cells Editing

Calibri 11 Wrap Text

B I U Merge & Center

General

Conditional Formatting Format as Table Cell Styles

Insert Delete Format

AutoSum Fill Clear Sort & Find & Filter Select

A1 India

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	India	China	South Africa																		
2	100000	800000	600000																		
3	200000	900000	800000																		
4	300000	1000000	300000																		
5	400000	700000	600000																		
6	500000	300000	5000000																		
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					

mq8t

Ready

Type here to search

13:36 21-10-2023

## JSON API with Pandas orient='index'

```
import pandas as pop

pp={"India":[ 100000,200000,300000,400000,500000],
"China":[800000,900000,1000000,700000,300000],"South
Africa":[600000,800000,300000,600000,500000]}

census=pop.DataFrame( pp)

obj=pop.read_json ( 'census.json' ,orient='index')

print (obj)

obj.index+=1

obj.to_csv('res_index.csv')
```

Done

SettingsToolsHelp

File(s)...

URL(s)...

```
import pandas as pop
pp=[{"India":{100000,200000,300000,400000,500000}, "China":{800000,900000,1000000,700000,300000},"South Africa":{600000,800000,300000,600000,500000}}]
census=pop.DataFrame(pp)
obj=pop.read_json('census.json',orient='index')
print(obj)
obj.index+=1
obj.to_csv('res_index.csv')
```

Clear

Convert

Type here to search



# OUTPUT

The screenshot displays the Microsoft Excel application window titled "DwWe - Microsoft Excel". The ribbon is set to the "Home" tab, showing various formatting and editing options. The active worksheet contains a table with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	India	China	South Africa																		
2	100000	800000	600000																		
3	200000	900000	800000																		
4	300000	1000000	300000																		
5	400000	700000	600000																		
6	500000	300000	5000000																		
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25																					

The status bar at the bottom indicates the file is named "DwWe", the sheet is "Ready", and the zoom level is 100%. The system tray shows the date and time as 13:48 on 21-10-2023.