

“What are the different methods to list all column names in Pandas?”

Authored by
stats writer

May 4, 2024

RECOMMENDED CITATION

stats writer (2024). “*What are the different methods to list all column names in Pandas?*”. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=142805>

There are several methods in Pandas that can be used to list all column names in a dataset. These include using the `.columns` attribute, the `.keys()` method, the `.info()` method, and the `.head()` method. The `.columns` attribute returns a list of all column names, the `.keys()` method returns an index object with all column names, the `.info()` method provides an overview of the dataset including the column names, and the `.head()` method displays the first few rows of the dataset with column names. These methods can be useful for quickly identifying and accessing column names in a Pandas dataframe.

List All Column Names in Pandas (4 Methods)

You can use one of the following four methods to list all column names of a pandas DataFrame:

Method 1: Use Brackets

Method 2: Use `tolist()`

`df.columns.values.tolist()`

Method 3: Use `list()`

`list(df)`

Method 4: Use `list()` with column values

`list(df.columns.values)`

The following examples show how to use each of these methods with the following pandas DataFrame:

```
import pandas as pd
#create DataFrame
df = pd.DataFrame({'points': ,
'assists': ,
'rebounds': ,
'blocks': })

#view DataFrame
df

points assists rebounds blocks
0 25 5 11 6
1 12 7 8 6
2 15 7 10 3
3 14 9 6 2
4 19 12 6 7
5 23 9 5 9
```

Method 1: Use Brackets

The following code shows how to list all column names of a pandas DataFrame using brackets:

Method 2: Use tolist()

The following code shows how to list all column names using the `.tolist()` function:

```
df.columns.values.tolist()
```

Method 3: Use list()

The following code shows how to list all column names using the `list()` function:

```
list(df)
```

Method 4: Use list() with column values

The following code shows how to list all column names using the `list()` function with column values:

```
list(df.columns.values)
```

Notice that all four methods return the same results.

Note that for extremely large DataFrames, the `df.columns.values.tolist()` method tends to perform the

fastest.

The following tutorials explain how to perform other common functions with columns of a pandas DataFrame:

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