

# How to retrieve the first column of a Pandas DataFrame?

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## RECOMMENDED CITATION

stats writer (2024). *How to retrieve the first column of a Pandas DataFrame?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=141780>

To retrieve the first column of a Pandas DataFrame, use the syntax "dataframe\_name" where "dataframe\_name" is the name of the DataFrame and "column\_name" is the name of the desired column. This will return a Series object containing the values from the first column of the DataFrame. Alternatively, you can use the index location of the column by using "iloc" after the DataFrame name. This will return the first column as a Series object.

## Get First Column of Pandas DataFrame (With Examples)

You can use the following syntax to get the first column of a pandas DataFrame:

**df.iloc**

The result is a pandas Series. If you'd like the result to be a pandas DataFrame instead, you can use the following syntax:

**df.iloc**

The following examples show how to use this syntax in practice.

**Example 1: Get First Column of Pandas DataFrame (Return a Series)**

The following code shows how to get the first column of a pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

```
df = pd.DataFrame({'points': ,  
'assists': ,  
'rebounds': })
```

```
#view DataFrame
```

```
print(df)
```

```
points assists rebounds
```

```
0 25 5 11
```

```
1 12 7 8
```

```
2 15 7 10
```

```
3 14 9 6
```

```
4 19 12 6
```

```
5 23 9 5
```

```
6 25 9 9
```

```
7 29 4 12
```

```
#get first column
```

```
first_col = df.iloc
```

```
#view first columnprint(first_col)
```

```
0 25
```

```
1 12
```

2 15

3 14

4 19

5 23

6 25

7 29

Name: points, dtype: int64

The result is a pandas Series:

```
#check type of first_col/print(type(first_col))
```

```
<class 'pandas.core.series.Series'>
```

Example 2: Get First Column of Pandas DataFrame (Return a DataFrame)

The following code shows how to get the first column of a pandas DataFrame and return a DataFrame as a result:

```
#get first column (and return a DataFrame)
```

```
first_col = df.iloc
```

```
#view first column/print(first_col)
```

```
points
```

0 25

1 12

2 15

3 14

4 19

5 23

6 25

7 29

```
#check type of first_col  
print(type(first_col))
```

```
<class 'pandas.core.frame.DataFrame'>
```