

Fix in Pandas: KeyError: “[‘Label’] not found in axis”

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Fix in Pandas: KeyError: " not found in axis"

One error you may encounter when using pandas is:

KeyError: " not found in axis"

This error usually occurs when you attempt to drop a column from a pandas DataFrames and forget to specify **axis=1**.

By default, the axis argument is set to **0** which refers to rows. You must specify **axis=1** to tell pandas to look at the columns.

The following example shows how to fix this error in practice.

How to Reproduce the Error

Suppose we have the following pandas DataFrame:

```
import pandas as pd
```

```
#create DataFrame
```

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

```
#view DataFrame
```

```
print(df)
```

```
team assists points
```

```
0 A 5 11
```

```
1 A 7 8
```

```
2 A 7 10
```

```
3 A 9 6
```

```
4 B 12 6
```

```
5 B 9 5
```

```
6 B 9 9
```

```
7 B 4 12
```

Now suppose we attempt to drop the "points" column from the DataFrame:

```
#attempt to drop "points" column
```

```
df_new = df.drop('points')
```

KeyError: " not found in axis"

By default, the **drop()** function uses **axis=0**, which refers to the rows of the DataFrame.

Since there is no row name called "points" we receive an error.

How to Fix the Error

To tell pandas to look at the columns instead, we must specify **axis=1** as follows:

```
#drop "points" column  
df_new = df.drop('points', axis=1)
```

```
#view updated DataFrameprint(df)
```

```
team assists
```

```
0 A 5
```

```
1 A 7
```

```
2 A 7
```

```
3 A 9
```

```
4 B 12
```

```
5 B 9
```

```
6 B 9
```

```
7 B 4
```

Notice that the "points" column has been dropped from the DataFrame and we don't receive any error.

This is because we used **axis=1**, so pandas knew to look at the column names for "points" when deciding which values to drop from the DataFrame.

The following tutorials explain how to fix other common errors in Python: