

# How can we add a header row to a Pandas DataFrame?

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## RECOMMENDED CITATION

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Adding a header row to a Pandas DataFrame is a simple process that involves using the built-in function "columns" to specify the column names and then using the "rename" function to assign these names as the header row. This allows for easy navigation and organization of the data within the DataFrame. Additionally, the header row can be customized by specifying the desired names or by importing a list of names from an external source. Overall, adding a header row to a Pandas DataFrame enhances the readability and functionality of the data.

## Add Header Row to Pandas DataFrame (With Examples)

You can use one of the following three methods to add a header row to a pandas DataFrame:

**#add header row when creating DataFrame**

```
df = pd.DataFrame(data=,  
columns=)
```

**#add header row after creating DataFrame**

```
df = pd.DataFrame(data=)  
df.columns =
```

**#add header row when importing CSV**

```
df = pd.read_csv('data.csv', names=)
```

The following examples show how to use each of these methods in practice.

**Example 1: Add Header Row When Creating DataFrame**

The following code shows how to add a header row when creating a pandas DataFrame:

```
import pandas as pd
import numpy as np

#add header row when creating DataFrame
df = pd.DataFrame(data=np.random.randint(0, 100, (10,
3)),
columns =)

#view DataFrame
df
```

	A	B	C
0	81	47	82
1	92	71	88
2	61	79	96
3	56	22	68
4	64	66	41
5	98	49	83
6	70	94	11
7	1	6	11
8	55	87	39
9	15	58	67

## Example 2: Add Header Row After Creating DataFrame

The following code shows how to add a header row *after* creating a pandas DataFrame:

```
import pandas as pd
import numpy as np

#create DataFrame df =
pd.DataFrame(data=np.random.randint(0, 100, (10, 3)))
#add header row to DataFrame
df.columns =

#view DataFrame
df
```

	A	B	C
0	81	47	82
1	92	71	88
2	61	79	96
3	56	22	68
4	64	66	41
5	98	49	83
6	70	94	11
7	1	6	11
8	55	87	39

**9 15 58 67**

### Example 3: Add Header Row When Importing DataFrame

The following code shows how to add a header row using the `names` argument when importing a pandas DataFrame from a CSV file:

```
import pandas as pd
import numpy as np

#import CSV file and specify header row names
df = pd.read_csv('data.csv', names=)

#view DataFrame
df
```

	A	B	C
0	81	47	82
1	92	71	88
2	61	79	96
3	56	22	68
4	64	66	41
5	98	49	83
6	70	94	11
7	1	6	11

**8 55 87 39**

**9 15 58 67**

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