

Lesson-3 Handle Missing Values

May 25, 2024

```
[2]: # import module
import pandas as pd
# dataframe
data = {"Column_1": [3, 8, 9, None, 3, 8, 3, None, 8]}
# dataframe
df = pd.DataFrame(data)
df
```

```
[2]:      Column_1
0         3.0
1         8.0
2         9.0
3         NaN
4         3.0
5         8.0
6         3.0
7         NaN
8         8.0
```

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[4]: df.isnull().sum()
```

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[4]: Column_1      2
dtype: int64
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[5]: # df copy
df1 = df.copy()
# dropna with inplace =True
df1.dropna(inplace = True)
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[ ]:
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[6]: # df copy
df2 = df.copy()
# ffill()
df2.ffill(inplace=True)
```

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[ ]:
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[7]: # df copy
df3 = df.copy()
# bfill()
df3.bfill(inplace=True)
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[ ]:
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[8]: # df copy
df4 = df.copy()
# find the mean of dataframe
mean = df4.mean()
# fill with mean
df4.fillna(mean, inplace=True)
```

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[ ]:
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