

PANDAS PART - 3 BY VIRAT TIWARI

October 11, 2023

```
[1]: import pandas as pd
```

```
[2]: df=pd.read_csv("https://raw.githubusercontent.com/datasciencedojo/datasets/
↳master/titanic.csv")
```

```
[4]: df.columns
```

```
[4]: Index(['PassengerId', 'Survived', 'Pclass', 'Name', 'Sex', 'Age', 'SibSp',
          'Parch', 'Ticket', 'Fare', 'Cabin', 'Embarked'],
          dtype='object')
```

```
[9]: s=df["Name"][0:10]
```

```
[19]: s
```

```
[19]: 0          Braund, Mr. Owen Harris
1    Cumings, Mrs. John Bradley (Florence Briggs Th...
2          Heikkinen, Miss. Laina
3    Futrelle, Mrs. Jacques Heath (Lily May Peel)
4          Allen, Mr. William Henry
5          Moran, Mr. James
6    McCarthy, Mr. Timothy J
7    Palsson, Master. Gosta Leonard
8    Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
9    Nasser, Mrs. Nicholas (Adele Achem)
Name: Name, dtype: object
```

```
[20]: len(s)
```

```
[20]: 10
```

```
[21]: type(s)
```

```
[21]: pandas.core.series.Series
```

```
[27]: l=["Virat","b","c","d","e","f","g","h","i","j"]
```

```
[31]: s1=pd.Series(list(s),index=1)
```

```
[32]: s[0]
```

```
[32]: 'Braund, Mr. Owen Harris'
```

```
[33]: s1[0]
```

```
[33]: 'Braund, Mr. Owen Harris'
```

```
[35]: s1["Virat"]
```

```
[35]: 'Braund, Mr. Owen Harris'
```

```
[41]: s2=s1.append(s)
```

```
/tmp/ipykernel_118/2552242485.py:1: FutureWarning: The series.append method is
deprecated and will be removed from pandas in a future version. Use
pandas.concat instead.
    s2=s1.append(s)
```

```
[43]: s2
```

```
[43]: Virat                                Braund, Mr. Owen Harris
b      Cumings, Mrs. John Bradley (Florence Briggs Th...
c                                           Heikkinen, Miss. Laina
d      Futrelle, Mrs. Jacques Heath (Lily May Peel)
e                                           Allen, Mr. William Henry
f                                           Moran, Mr. James
g                                           McCarthy, Mr. Timothy J
h                                           Palsson, Master. Gosta Leonard
i      Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
j      Nasser, Mrs. Nicholas (Adele Achem)
0      Braund, Mr. Owen Harris
1      Cumings, Mrs. John Bradley (Florence Briggs Th...
2      Heikkinen, Miss. Laina
3      Futrelle, Mrs. Jacques Heath (Lily May Peel)
4      Allen, Mr. William Henry
5      Moran, Mr. James
6      McCarthy, Mr. Timothy J
7      Palsson, Master. Gosta Leonard
8      Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)
9      Nasser, Mrs. Nicholas (Adele Achem)
dtype: object
```

```
[42]: s2[0]
```

```
[42]: 'Braund, Mr. Owen Harris'
```

```
[45]: s2[4]
```

```
[45]: 'Allen, Mr. William Henry'
```

```
[47]: s4=pd.Series([3,2,5,6,4],index=[1,2,3,4,5])
```

```
[48]: s4
```

```
[48]: 1      3
      2      2
      3      5
      4      6
      5      4
      dtype: int64
```

```
[50]: s5=pd.Series([153,205,524,649,404],index=[10,20,30,40,50])
```

```
[54]: s6=s4.append(s5)
```

```
/tmp/ipykernel_118/884104408.py:1: FutureWarning: The series.append method is
deprecated and will be removed from pandas in a future version. Use
pandas.concat instead.
      s6=s4.append(s5)
```

```
[55]: s4
```

```
[55]: 10      153
      20      205
      30      524
      40      649
      50      404
      dtype: int64
```

```
[58]: s6
```

```
[58]: 10      153
      20      205
      30      524
      40      649
      50      404
      10      153
      20      205
      30      524
      40      649
      50      404
```

```
dtype: int64
```

```
[60]: s6[40]
```

```
[60]: 40    649
      40    649
      dtype: int64
```

```
[61]: s6[0:5]
```

```
/tmp/ipykernel_118/2671872114.py:1: FutureWarning: The behavior of `series[i:j]`
with an integer-dtype index is deprecated. In a future version, this will be
treated as *label-based* indexing, consistent with e.g. `series[i]` lookups. To
retain the old behavior, use `series.iloc[i:j]`. To get the future behavior, use
`series.loc[i:j]`.
      s6[0:5]
```

```
[61]: 10    153
      20    205
      30    524
      40    649
      50    404
      dtype: int64
```

```
[62]: s4
```

```
[62]: 10    153
      20    205
      30    524
      40    649
      50    404
      dtype: int64
```

```
[63]: s5
```

```
[63]: 10    153
      20    205
      30    524
      40    649
      50    404
      dtype: int64
```

```
[68]: s1*s5
```

```
[68]: Virat    NaN
      b        NaN
      c        NaN
```

```
d      NaN
e      NaN
f      NaN
g      NaN
h      NaN
i      NaN
j      NaN
10     NaN
20     NaN
30     NaN
40     NaN
50     NaN
dtype: object
```

```
[69]: s1+s5
```

```
[69]: Virat      NaN
b          NaN
c          NaN
d          NaN
e          NaN
f          NaN
g          NaN
h          NaN
i          NaN
j          NaN
10         NaN
20         NaN
30         NaN
40         NaN
50         NaN
dtype: object
```

THANK YOU SO MUCH !!

VIRAT TIWARI :)