Manipulating_DataFrames

July 19, 2024

1 Manipulating DataFrames

1. Run the cell below to setup this lab.

[1]:
```
import pandas as pd
data = {'first': ['Carl', 'Francis', 'Sam'],
        'last':  ['Po',   'Nyguen',  'Smith'],
        'age':   ['32',   '45',      '22']}
clients = pd.DataFrame(data)
clients
```

[1]:

	first	last	age
0	Carl	Po	32
1	Francis	Nyguen	45
2	Sam	Smith	22

2. Rename the columns from 'first' to 'First', 'last' to 'Last', and 'age' to 'Age'. Provide the 'columns' argument with a dictionary mapping current column names to the new names.

[6]:
```
clients.rename(columns={'first':'First','last':'Last','age':'Age'},␣
↪inplace=True)
clients
```

[6]:

	First	Last	Age
0	Carl	Po	32
1	Francis	Nyguen	45
2	Sam	Smith	22

3. Create a new column 'Name' by combining the values from the columns 'First' and 'Last'. You can use addtion between the columns: `clients.First + ' ' + clients.Last` to create the values.

[7]:
```
clients['Name'] = clients.First +' '+ clients.Last
clients
```

[7]:

	First	Last	Age	Name
0	Carl	Po	32	Carl Po
1	Francis	Nyguen	45	Francis Nyguen

```
2      Sam    Smith  22       Sam Smith
```

4. Drop the columns 'First' and 'Last' using the `.drop()` method. The columns parameter takes a list of column names to drop.

[9]:
```
clients.drop(columns={'First','Last'}, inplace=True)
clients
```

[9]:
```
   Age            Name
0   32         Carl Po
1   45  Francis Nyguen
2   22       Sam Smith
```

[ ]:
```

```