# Pandas_practice2

March 21, 2021

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

[2]:
```
url = 'https://raw.githubusercontent.com/justmarkham/DAT8/master/data/drinks.
↪csv'
```

[3]:
```
df=pd.read_csv(url,sep ='\t')
```

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

[4]:
```
Index(['country,beer_servings,spirit_servings,wine_servings,total_litres_of_pure
_alcohol,continent'], dtype='object')
```

[5]:
```
df.shape
```

[5]:
```
(193, 1)
```

[7]:
```
df.info
```

[7]:
```
<bound method DataFrame.info of     country,beer_servings,spirit_servings,wine_s
ervings,total_litres_of_pure_alcohol,continent
0                              Afghanistan,0,0,0,0.0,AS
1                              Albania,89,132,54,4.9,EU
2                                Algeria,25,0,14,0.7,AF
3                             Andorra,245,138,312,12.4,EU
4                                 Angola,217,57,45,5.9,AF
..                                                    …
188                            Venezuela,333,100,3,7.7,SA
189                                Vietnam,111,2,1,2.0,AS
190                                    Yemen,6,0,0,0.1,AS
191                                 Zambia,32,19,4,2.5,AF
192                                Zimbabwe,64,18,4,4.7,AF

[193 rows x 1 columns]>
```

[10]:
```
df.head()
```

[10]:
```
  country,beer_servings,spirit_servings,wine_servings,total_litres_of_pure_alcoh
ol,continent
0                          Afghanistan,0,0,0,0.0,AS
1                          Albania,89,132,54,4.9,EU
2                          Algeria,25,0,14,0.7,AF
3                         Andorra,245,138,312,12.4,EU
4                          Angola,217,57,45,5.9,AF
```

[11]:
```
df=pd.read_csv('https://raw.githubusercontent.com/justmarkham/DAT8/master/data/
↪drinks.csv')
```

[12]:
```
df.head(5)
```

[12]:
```
       country  beer_servings  spirit_servings  wine_servings  \
0  Afghanistan              0                0              0
1      Albania             89              132             54
2      Algeria             25                0             14
3      Andorra            245              138            312
4       Angola            217               57             45

   total_litres_of_pure_alcohol continent
0                           0.0        AS
1                           4.9        EU
2                           0.7        AF
3                          12.4        EU
4                           5.9        AF
```

[16]:
```
df.groupby('continent').beer_servings.mean()
```

[16]:
```
continent
AF     61.471698
AS     37.045455
EU    193.777778
OC     89.687500
SA    175.083333
Name: beer_servings, dtype: float64
```

[17]:
```
df.groupby('continent').wine_servings.describe()
```

[17]:
```
           count        mean        std  min   25%    50%     75%    max
continent
AF          53.0   16.264151  38.846419  0.0   1.0    2.0   13.00  233.0
AS          44.0    9.068182  21.667034  0.0   0.0    1.0    8.00  123.0
EU          45.0  142.222222  97.421738  0.0  59.0  128.0  195.00  370.0
OC          16.0   35.625000  64.555790  0.0   1.0    8.5   23.25  212.0
SA          12.0   62.416667  88.620189  1.0   3.0   12.0   98.50  221.0
```

[ ]: