

Pandas Challenge 3

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Weekly Pandas Challenge 3 - Data In Motion

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Dataset : <https://raw.githubusercontent.com/justmarkham/DAT8/master/data/drinks.csv>

Challenge Questions

- 1) Which continent drinks more beer on average?
 - 2) For each continent print the statistics for wine consumption.
 - 3) Print the mean alcohol consumption per continent for every column.
 - 4) Print the median alcohol consumption per continent for every column.
- 1)

```
[13]: import pandas as pd
drinks = pd.read_csv('https://raw.githubusercontent.com/justmarkham/DAT8/master/
↳data/drinks.csv')
drinks.head()
```

```
[13]:
```

	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

```
[5]: drinks.shape
```

```
[5]: (193, 6)
```

```
[20]: drinks.groupby('continent').beer_servings.mean().sort_values()
```

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

2)

```
[10]: drinks.groupby('continent').wine_servings.describe()
```

```
[10]:
```

	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

3)

```
[11]: drinks.groupby('continent').mean()
```

```
[11]:
```

	beer_servings	spirit_servings	wine_servings
continent			
AF	61.471698	16.339623	16.264151
AS	37.045455	60.840909	9.068182
EU	193.777778	132.555556	142.222222
OC	89.687500	58.437500	35.625000
SA	175.083333	114.750000	62.416667

```
total_litres_of_pure_alcohol
```

continent
AF
AS
EU
OC
SA

4)

```
[12]: drinks.groupby('continent').median()
```

```
[12]:
```

	beer_servings	spirit_servings	wine_servings
continent			
AF	32.0	3.0	2.0

AS	17.5	16.0	1.0
EU	219.0	122.0	128.0
OC	52.5	37.0	8.5
SA	162.5	108.5	12.0

continent	total_litres_of_pure_alcohol
AF	2.30
AS	1.20
EU	10.00
OC	1.75
SA	6.85

```
[ ]:
```