**Bridge the Gap**

**Roll no – A-44**

**Code-**

import pandas as pd

df = pd.read\_csv("drinks.csv")

print("\n\nInfo: \n")

print(df.info())

print("\n\nGroup by continent sum: \n")

print(df.groupby('Continent').sum())

print("\n\nBeer servings data: \n")

print(df.groupby('Continent')['Beer\_Servings'].mean())

print("\n\nWine servings: \n")

print(df.groupby('Continent')['Wine\_Servings'].describe())

print("\n\nApplying list: \n")

print(df[df['Total\_Litres\_of\_Pure\_Alcohol'] == 0].apply(list))

print("\n\nBeer consumption is more than Wine consumption in Asia: \n")

print(df[(df['Beer\_Servings'] > df['Wine\_Servings']) & (df['Continent']=='Asia')]['Country'])

**Output-**

Info:

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 66 entries, 0 to 65

Data columns (total 6 columns):

# Column Non-Null Count Dtype

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0 Country 66 non-null object

1 Beer\_Servings 66 non-null int64

2 Spirit\_Servings 66 non-null int64

3 Wine\_Servings 66 non-null int64

4 Total\_Litres\_of\_Pure\_Alcohol 66 non-null float64

5 Continent 66 non-null object

dtypes: float64(1), int64(3), object(2)

memory usage: 3.2+ KB

None

Group by continent sum:

Country ... Total\_Litres\_of\_Pure\_Alcohol

Continent ...

Africa AlgeriaAngolaBeninBotswanaBurkina FasoBurundiC... ... 63.4

Asia AfghanistanBahrainBangladeshBhutanBruneiCambod... ... 10.2

Australia AustraliaCook IslandsFiji ... 18.3

Europe AlbaniaAndorraArmeniaAustriaAzerbaijanBelarusB... ... 160.5

North America Antigua & BarbudaBahamasBarbadosBelizeCanadaCo... ... 56.1

South America ArgentinaBoliviaBrazilChileColombiaEcuador ... 35.3

[6 rows x 5 columns]

Beer servings data:

Continent

Africa 73.190476

Asia 29.000000

Australia 112.666667

Europe 189.888889

North America 140.900000

South America 176.000000

Name: Beer\_Servings, dtype: float64

Wine servings:

count mean std min 25% 50% 75% max

Continent

Africa 21.0 21.476190 51.071146 0.0 1.00 4.0 14.00 233.0

Asia 8.0 2.125000 3.356763 0.0 0.00 0.5 2.50 8.0

Australia 3.0 95.666667 107.155650 1.0 37.50 74.0 143.00 212.0

Europe 18.0 142.111111 109.575592 5.0 55.25 123.5 206.75 370.0

North America 10.0 29.300000 30.382926 2.0 8.25 18.5 42.75 100.0

South America 6.0 70.500000 98.935838 3.0 4.25 12.0 133.00 221.0

Applying list:

Country Beer\_Servings Spirit\_Servings Wine\_Servings Total\_Litres\_of\_Pure\_Alcohol Continent

0 Afghanistan 0 0 0 0.0 Asia

13 Bangladesh 0 0 0 0.0 Asia

46 North Korea 0 0 0 0.0 Asia

Beer consumption is more than Wine consumption in Asia:

12 Bahrain

19 Bhutan

24 Brunei

30 Cambodia

36 China

Name: Country, dtype: object