Analyse London Olympics Dataset

December 16, 2022

1 Import required libraries

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

[16]:
```
np_olympic_country = np.array(['Great Britain','China','Russia','United States',
                               'Korea','Japan','Germany'])
np_olympic_country_gold = np.array([29,38,24,46,13,7,11])
np_olympic_country_silver = np.array([17,28,25,28,8,14,11])
np_olympic_country_bronze = np.array([19,22,32,29,7,17,14])
```

2 Country with max gold

[5]:
```
max_gold_index = np_olympic_country_gold.argmax()
```

[6]:
```
country_with_max_gold = np_olympic_country[max_gold_index]
```

[7]:
```
print(country_with_max_gold)
```

```
United States
```

3 Countries with won more than 20 gold medals

[8]:
```
print(np_olympic_country[np_olympic_country_gold>20])
```

```
['Great Britain' 'China' 'Russia' 'United States']
```

4 Medal Tally

[9]:
```
medal_tally = np.array(['gold', 'silver', 'bronze'])
```

[10]:
```
print(medal_tally)
```

```
['gold' 'silver' 'bronze']
```

5 Print each country name with the corresponding number of gold medals and total number of medals won

[15]:
```
for i in range(len(np_olympic_country)):
 gold_medal = np_olympic_country_gold[i]
 country = np_olympic_country[i]
 total_medal = np_olympic_country_bronze[i] + np_olympic_country_gold[i] +␣
 ↪np_olympic_country_silver[i]
 print('{}, gold medal {}, total medals {}'.format(country, gold_medal,␣
 ↪total_medal))
```

```
Great Britain, gold medal 29, total medals 65
China, gold medal 38, total medals 88
Russia, gold medal 24, total medals 81
United States, gold medal 46, total medals 103
Korea, gold medal 13, total medals 28
Japan, gold medal 7, total medals 38
Germany, gold medal 11, total medals 36
```

[ ]:
```

```