Assignment 02

November 19, 2021

1 Assignment 02: Evaluate the Summer Olympics, London 2012 dataset

The comments/sections provided are your cues to perform the assignment. You don't need to limit yourself to the number of rows/cells provided. You can add additional rows in each section to add more lines of code.

If at any point in time you need help on solving this assignment, view our demo video to understand the different steps of the code.

Happy coding!

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1: View and add the dataset
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```
[1]: #Import the necessary library import numpy as np
```

Find the country with maximum gold medals

```
[3]: #Use the argmax() method to find the highest number of gold medals
max_gold_index = gold_list.argmax()
print(max_gold_index)
max_gold_no = gold_list[max_gold_index]
print(max_gold_no)
```

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[4]: #Print the name of the country
max_gold_country = country_name[max_gold_index]
```

```
print('Country with highest no. of Gold medal is: ', max_gold_country)
```

Country with highest no. of Gold medal is: United States

Find the countries with more than 20 gold medals

```
[5]: #Use Boolean indexing technique to find the required output
gold_morethan_20_boolindex = gold_list>20
country_gold_morethan_20 = country_name[gold_morethan_20_boolindex == True]
print(country_gold_morethan_20)
```

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

Evaluate the dataset and print the name of each country with its gold medals and total number of medals

```
[6]: #Use a for loop to create the required output
for i in range(len(country_name)):
    country = country_name[i]
    gold = gold_list[i]
    total = gold_list[i] + silver_list[i] + bronze_list[i]
    print(country,' : Gold = ', gold, ', Total = ', total)
```

```
Great Britain : Gold = 29 , Total = 65
China : Gold = 38 , Total = 88
Russia : Gold = 24 , Total = 81
United States : Gold = 46 , Total = 103
Korea : Gold = 13 , Total = 28
Japan : Gold = 7 , Total = 38
Germany : Gold = 11 , Total = 36
```

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