# Olympics

June 7, 2020

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

[4]:
```
#Olympics, 2012 London dataset
olympic_countries = np.array(['Great Britain','China','Russia','United␣
 ↪States','Korea','Japan','Germany'])
olympic_gold = np.array([29,38,24,46,13,7,11])
olympic_silver = np.array([17,28,25,28,8,14,11])
olympic_bronze = np.array([19,22,32,29,7,17,14])
```

[6]:
```
#get index of country with max gold
max_gold = olympic_gold.argmax()
max_gold_country = olympic_countries[max_gold]
#print country with max gold
print(max_gold_country)
```

```
United States
```

[8]:
```
# countries with more than 20 gold
print(olympic_countries[olympic_gold>20])
```

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

[11]:
```
# Print each country name with the corresponding number of gold medals and
# Print each country's name with the total number of medals won
for i in range(len(olympic_countries)):
    gold = olympic_gold[i]
    country = olympic_countries[i]
    total = olympic_gold[i] + olympic_silver[i] + olympic_bronze[i]
    print('{}, gold {}, total {}'.format(country,gold,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
```