Project Name - Olympics Data Analysis _ ML _ FA _ DA projects (Part 1)

Project Type - Data Analysis

Industry - Unified Mentor

Contribution - Individual

Member Name - Hare Krishana Mishra

Task - 1

Project Summary -

Project Description:

This project focuses on analyzing Summer Olympic data from 1976 to 2008, using data-driven approaches to extract meaningful insights, visualize patterns, and build a predictive model to identify athletes or events most likely to secure a medal. By cleaning and encoding the dataset, various trends such as medal distribution across countries, genders, sports, and years were examined. Additionally, a logistic regression model was developed to classify whether an athlete or event won a medal based on categorical features.

Objective:

- To perform exploratory data analysis (EDA) on historical Olympic data.
- To uncover key trends related to medal wins by country, gender, sport, and year.
- To preprocess and encode data for modeling.
- To train a logistic regression model that predicts medal wins based on encoded features.

Key Project Details:

Dataset: Summer Olympic Medals (1976–2008)

Total Records Analyzed: 15,433

Features Used: Country, Sport, Gender, Event_gender, Year, Medal

Techniques Applied:

Data Cleaning and Handling Missing Values

Label Encoding of Categorical Variables

Visualizations with Seaborn & Matplotlib

Binary Classification using Logistic Regression

Evaluation Metrics: Accuracy Score, Confusion Matrix, Classification Report

Tech Stack:

Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Key Insights:

Top-performing countries and sports identified

Medal distribution across genders analyzed

Participation and medal trends visualized by Olympic year

Let's Begin:-

Step 1: Data Preparation

```
In [ ]:
# Import necessary libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

In [ ]:
# Load the dataset (assume CSV format
df = pd.read_csv('/content/Summer-Olympic-medals-1976-to-2008 (1).csv', encoding='latin1
In [ ]:
# Check the first few rows of the dataset
df.head()
Out[ ]:
```

```
Sport Discipline
                                                                Gender Country_Code
    City
           Year
                                           Event
                                                        Athlete
                                                                                         Country
                                                                                                   E١
                                              3m
                                                      KÖHLER,
                                                                                             East
                                                                                   GDR
Montreal 1976.0 Aquatics
                               Diving
                                                                 Women
                                                                                         Germany
                                      springboard
                                                        Christa
                                              3m
                                                   KOSENKOV,
                                                                                            Soviet
                                                                                   URS
                               Diving
Montreal 1976.0 Aquatics
                                                                    Men
                                      springboard
                                                      Aleksandr
                                                                                            Union
                                                       BOGGS,
                                              3m
                                                                                           United
                               Diving
                                                                                   USA
Montreal 1976.0 Aquatics
                                                          Philip
                                                                    Men
                                      springboard
                                                                                            States
                                                        George
                                                   CAGNOTTO,
                                              3m
                                                        Giorgio
                                                                                    ITA
                                                                                              Italy
Montreal 1976.0 Aquatics
                               Diving
                                                                    Men
                                      springboard
                                                        Franco
                                                      WILSON.
                                             10m
                                                                                            United
                                                                                   USA
Montreal 1976.0 Aquatics
                               Diving
                                                       Deborah
                                                                Women
```

platform

Keplar

In []:

States

```
# Summary of the dataset
print(df.info())
print(df.describe())
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 15433 entries, 0 to 15432
Data columns (total 11 columns):
 #
     Column
                   Non-Null Count Dtype
     -----
- - -
                   -----
                                   ----
 0
                   15316 non-null object
     City
 1
     Year
                   15316 non-null float64
 2
     Sport
                   15316 non-null
                                   object
 3
     Discipline
                   15316 non-null object
 4
     Event
                   15316 non-null object
 5
     Athlete
                   15316 non-null object
 6
     Gender
                   15316 non-null
                                   object
 7
     Country Code 15316 non-null object
                   15316 non-null object
 8
     Country
 9
     Event gender 15316 non-null
                                   object
 10
    Medal
                   15316 non-null
                                   object
dtypes: float64(1), object(10)
memory usage: 1.3+ MB
None
               Year
      15316.000000
count
        1993.620789
mean
std
          10.159851
min
        1976.000000
25%
        1984.000000
50%
        1996.000000
75%
        2004.000000
        2008.000000
max
Step 2: Data Cleaning
In [ ]:
# Check for missing values
print(df.isnull().sum())
City
                117
                117
Year
Sport
                117
Discipline
                117
Event
                117
Athlete
                117
                117
Gender
Country_Code
                117
Country
                117
Event gender
                117
Medal
                117
dtype: int64
In [ ]:
df.shape
Out[]:
(15433, 11)
In [ ]:
```

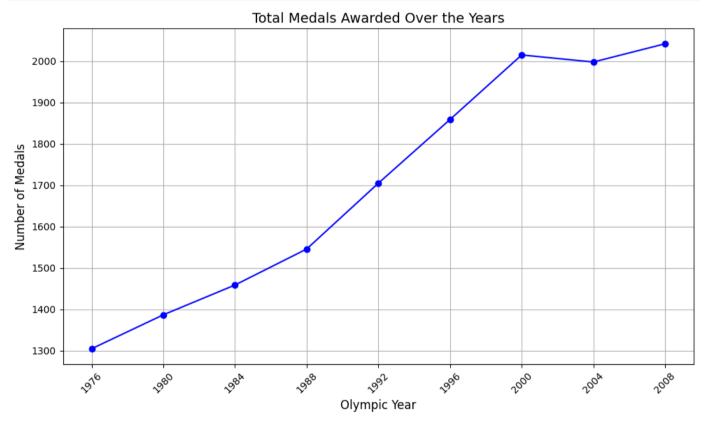
```
# Drop rows with missing values if any
df_cleaned = df.dropna()
```

Step 3: Exploratory Data Analysis (EDA)

3.1 Medals Won Over the Years

```
# Grouping by Year and counting the medals won
medals_over_years = df_cleaned.groupby('Year')['Medal'].count().sort_index()

# Plotting the trend of medals won over the years
plt.figure(figsize=(10, 6))
plt.plot(medals_over_years.index.astype(int), medals_over_years.values, marker='o', line
plt.title("Total Medals Awarded Over the Years", fontsize=14)
plt.xlabel("Olympic Year", fontsize=12)
plt.ylabel("Number of Medals", fontsize=12)
plt.ylabel("Number of Medals", fontsize=12)
plt.sticks(medals_over_years.index.astype(int), rotation=45)
plt.grid(True)
plt.tight_layout()
plt.show()
```



3.2 Total Medal Count by Country

```
In [ ]:
# Total medals won by each country
medals_by_country = df_cleaned.groupby('Country')['Medal'].count().sort_values(ascending
medals_by_country
Out[ ]:
```

Medal

Country

| , | |
|----------------------|------|
| United States | 1992 |
| Soviet Union | 1021 |
| Australia | 798 |
| Germany | 691 |
| China | 679 |
| | |
| Sri Lanka | 1 |
| Togo | 1 |
| United Arab Emirates | 1 |
| Uruguay | 1 |
| Virgin Islands* | 1 |

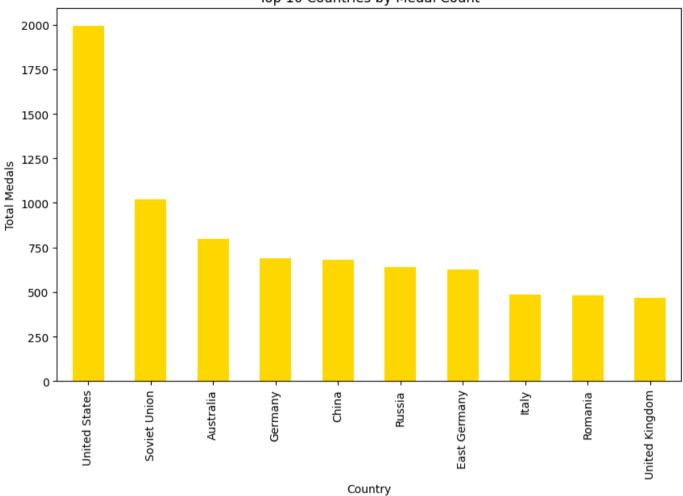
127 rows × 1 columns

dtype: int64

```
In [ ]:
```

```
# Plotting the top 10 countries by medals
plt.figure(figsize=(10, 6))
medals_by_country.head(10).plot(kind='bar', color='gold')
plt.title("Top 10 Countries by Medal Count")
plt.xlabel("Country")
plt.ylabel("Total Medals")
plt.show()
```

Top 10 Countries by Medal Count



3.3 Top Athletes with Most Medals

```
In [ ]:
# Group by Athlete and count the number of medals
athlete_medal_count = df_cleaned.groupby('Athlete')['Medal'].count().sort_values(ascendiathlete_medal_count
```

Out[]:

Medal

| Athlete | |
|---------------------|----|
| PHELPS, Michael | 16 |
| FISCHER, Birgit | 12 |
| ANDRIANOV, Nikolay | 12 |
| TORRES, Dara | 12 |
| THOMPSON, Jenny | 12 |
| | |
| ZVYAGINTSEV, Viktor | 1 |
| ZWEHL, Julia | 1 |
| ZWERING, Klaas-Erik | 1 |

Medal

Athlete

| ZUEVA, Natalia | 1 |
|-------------------|---|
| ZUIJDWEG. Martiin | 1 |

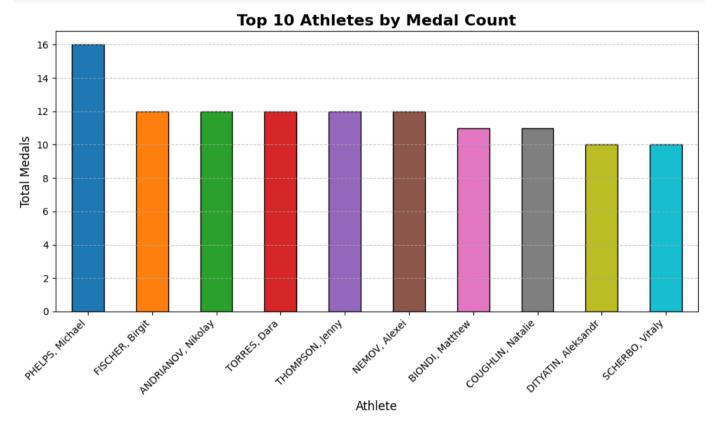
11337 rows × 1 columns

dtype: int64

```
In []:
# Get a list of 10 different colors
colors = cm.tab10(np.linspace(0, 1, 10))

plt.figure(figsize=(10, 6))
athlete_medal_count.head(10).plot(
    kind='bar',
    color=colors,
    edgecolor='black'
)

plt.title("Top 10 Athletes by Medal Count", fontsize=16, fontweight='bold')
plt.xlabel("Athlete", fontsize=12)
plt.ylabel("Total Medals", fontsize=12)
plt.xticks(rotation=45, ha='right')
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.tight_layout()
plt.show()
```

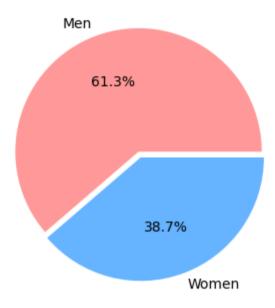


3.4 Gender Distribution in Events

In []:

```
# Gender distribution in events
gender_distribution = df_cleaned['Gender'].value_counts()
# Plotting gender distribution
plt.figure(figsize=(6, 4))
gender_distribution.plot(kind='pie', autopct='%1.1f%%',
colors=['#ff9999','#66b3ff'], explode=[0.05, 0])
plt.title("Gender Distribution in Olympics Events")
plt.ylabel('')
plt.show()
```

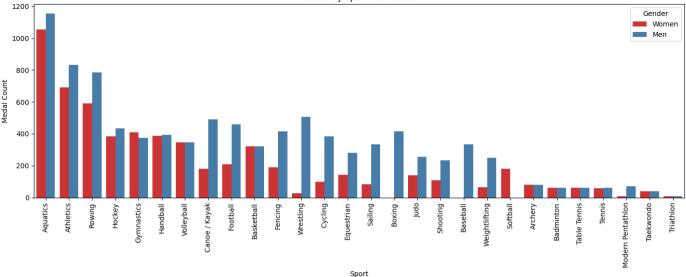
Gender Distribution in Olympics Events



3.5 Medals by Sport and Gender

```
In []:
    plt.figure(figsize=(14, 6))
    sns.countplot(
        data=df_cleaned,
        x='Sport',
        hue='Gender',
        order=df_cleaned['Sport'].value_counts().index,
        palette='Set1'
)
    plt.xticks(rotation=90)
    plt.title("Medals by Sport and Gender")
    plt.xlabel("Sport")
    plt.ylabel("Medal Count")
    plt.tight_layout()
    plt.show()
```





3.6 Medal Distribution by Type for Top 10 Countries

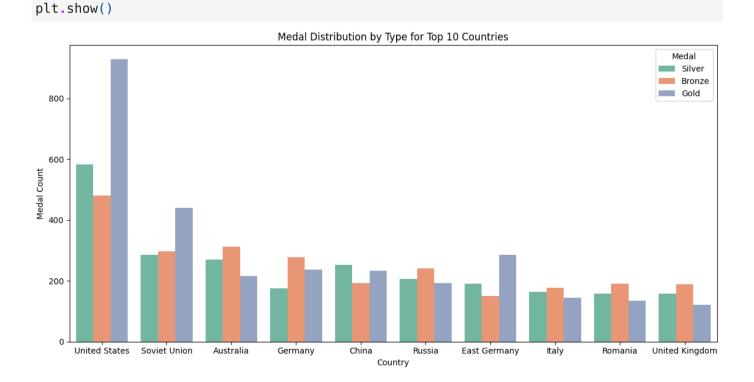
plt.title("Medal Distribution by Type for Top 10 Countries")

In []:

plt.xlabel("Country") plt.ylabel("Medal Count")

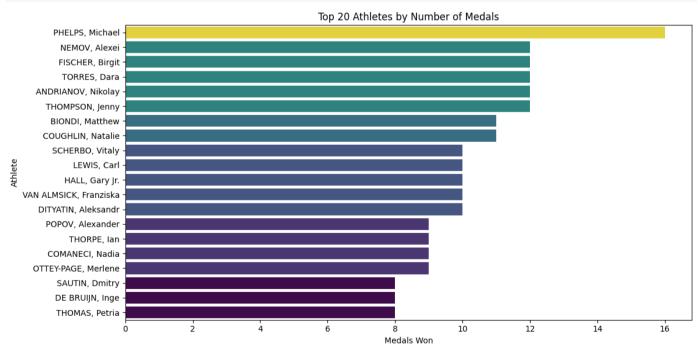
plt.tight_layout()

```
top_10_countries = df_cleaned['Country'].value_counts().head(10).index
plt.figure(figsize=(12, 6))
sns.countplot(
    data=df cleaned[df cleaned['Country'].isin(top 10 countries)],
    x='Country',
    hue='Medal'
    order=top 10 countries,
    palette='Set2'
```



```
In [ ]:
```

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
# Prepare the top 20 athlete data
athlete medal counts = df cleaned['Athlete'].value counts().head(20).reset index()
athlete medal counts.columns = ['Athlete', 'Medal Count']
# Add a fake hue column to enable palette usage
athlete medal counts['ColorGroup'] = athlete medal counts['Medal Count']
# Plot with custom palette and no legend
plt.figure(figsize=(12, 6))
sns.barplot(
    data=athlete medal counts,
    x='Medal Count',
   y='Athlete',
   hue='ColorGroup',
                       # 🧬 You can try: 'coolwarm', 'rocket', 'cubehelix', 'mako', et
    palette='viridis',
    dodge=False,
   legend=False
plt.title("Top 20 Athletes by Number of Medals")
plt.xlabel("Medals Won")
plt.ylabel("Athlete")
plt.tight layout()
plt.show()
```



Step 4: Predictive Analysis (Machine Learning)

```
In [ ]:
```

```
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import LabelEncoder
```

```
from sklearn.metrics import accuracy score, confusion matrix, classification report
In [ ]:
# Encode categorical variables using LabelEncoder
le = LabelEncoder()
df cleaned['Country Code'] = le.fit transform(df cleaned['Country Code'])
df cleaned['Sport'] = le.fit transform(df cleaned['Sport'])
df cleaned['Gender'] = le.fit transform(df cleaned['Gender'])
df cleaned['Event gender'] = le.fit transform(df cleaned['Event gender'])
df cleaned['Medal'] = df cleaned['Medal'].map({'Gold': 1, 'Silver': 1, 'Bronze': 1, np.na
/tmp/ipython-input-3408056398.py:3: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row indexer,col indexer] = value instead
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user
guide/indexing.html#returning-a-view-versus-a-copy
  df cleaned['Country Code'] = le.fit transform(df cleaned['Country Code'])
/tmp/ipython-input-3408056398.py:4: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row indexer,col indexer] = value instead
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user
guide/indexing.html#returning-a-view-versus-a-copy
  df cleaned['Sport'] = le.fit transform(df cleaned['Sport'])
/tmp/ipython-input-3408056398.py:5: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row indexer,col indexer] = value instead
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user
guide/indexing.html#returning-a-view-versus-a-copy
  df cleaned['Gender'] = le.fit transform(df cleaned['Gender'])
/tmp/ipython-input-3408056398.py:6: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row indexer,col indexer] = value instead
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user
guide/indexing.html#returning-a-view-versus-a-copy
  df cleaned['Event gender'] = le.fit_transform(df_cleaned['Event_gender'])
/tmp/ipython-input-3408056398.py:7: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row indexer,col indexer] = value instead
See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user
guide/indexing.html#returning-a-view-versus-a-copy
  df cleaned['Medal'] = df cleaned['Medal'].map({'Gold': 1, 'Silver': 1, 'Bronze': 1, np.
nan: 0})
In [ ]:
# Features and target
X = df_cleaned[['Country_Code', 'Sport', 'Gender', 'Event_gender']]
y = df cleaned['Medal']
In [ ]:
# Split the dataset into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y,test_size=0.3, random_state=42)
In [ ]:
```

from sklearn.linear model import LogisticRegression

```
y = y.fillna(0)

In [ ]:
y = y.astype(int)

In [ ]:
model = LogisticRegression(max_iter=1000)
```

Step 5: Conclusion and Insights

- Top Performing Countries: We identified which countries won the most medals.
- Top Athletes: We identified athletes who won the most medals.
- Gender Participation: The gender distribution in different sports events was explored.
- Trend of Medals Over Years: We visualized the trend of medal wins over the years.

The logistic regression model allowed us to predict whether an athlete would win a medal based on various attributes like country, sport, and gender. This project can be extended by adding more sophisticated machine learning models (like decision trees or random forests), and further fine-tuning the models by including more features.

Project Name - Olympics Data Analysis _ ML _ FA _ DA projects (Part 2)

Project Type - Data Analysis

Industry - Unified Mentor

Contribution - Individual

Member Name - Hare Krishana Mishra

Task - 2

Project Summary -

Project Description:

The Olympics Data Analysis project uses a dataset of all Summer Olympics medal winners from 1976 (Montreal) to 2008 (Beijing). It covers details such as city, year, sport, discipline, event, athlete, gender, country, and medal type. The project involves cleaning and exploring the dataset, identifying patterns in medal distribution, studying gender participation, and analyzing country dominance in various sports. It also includes a basic machine learning model to predict whether an athlete will win a medal based on attributes like country, sport, and gender.

Objective:

- · Analyze trends in medal distribution across countries, sports, and years.
- · Tldentify top-performing countries and athletes.
- Examine gender distribution in events and medals.
- · Visualize Olympic trends and insights using Python.
- · Predict medal outcomes using machine learning techniques.

Key Project Details:

Domain: Data Analytics / Machine Learning

Tools: Python, Pandas, Matplotlib, Seaborn, Scikit-learn, SQL, Excel

Dataset: Summer Olympics medal data (1976–2008) with city, year, sport, event, athlete, gender, country, and medal type.

Analysis Highlights:

- · Medal trends by country, year, and sport
- · Gender participation patterns
- · Top athletes and country dominance
- Visualize Olympic trends and insights using Python.
- Notable athletes who changed sports and still won medals

Let's Begin:-

```
In [ ]:
import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g.pd.read csv)
import matplotlib.pyplot as plt
In [ ]:
pd.options.display.max rows = 4000
pd.options.display.max columns= None
In [ ]:
data = pd.read csv('/content/Summer-Olympic-medals-1976-to-2008.csv', encoding = 'latin1
data.head()
Out[ 1:
       City
               Year
                       Sport Discipline
                                             Event
                                                         Athlete
                                                                  Gender
                                                                          Country_Code
                                                                                          Country
                                                                                                   E١
                                                3m
                                                       KÖHLER,
                                                                                             East
                                                                  Women
   Montreal 1976.0 Aquatics
                                 Diving
                                                                                   GDR
                                         springboard
                                                          Christa
                                                                                         Germany
                                                     KOSENKOV.
                                                                                            Soviet
                                                3m
   Montreal 1976.0 Aquatics
                                 Diving
                                                                     Men
                                                                                   URS
                                                                                            Union
                                         springboard
                                                       Aleksandr
                                                        BOGGS.
                                                                                            United
                                                3<sub>m</sub>
                                 Diving
                                                                                    USA
   Montreal 1976.0 Aquatics
                                                           Philip
                                                                     Men
                                         springboard
                                                                                            States
                                                          George
                                                     CAGNOTTO.
                                                3m
                                                          Giorgio
                                                                                    ITA
                                                                                              Italy
   Montreal 1976.0 Aquatics
                                 Diving
                                                                     Men
                                         springboard
                                                          Franco
                                                        WILSON.
                                               10m
                                                                                            United
                                                                                    USA
   Montreal 1976.0 Aquatics
                                 Diving
                                                        Deborah
                                                                  Women
                                            platform
                                                                                            States
                                                          Keplar
In [ ]:
print(data.Gender.unique())
print(data.Event gender.unique())
['Women' 'Men' nan]
['W' 'M' 'X' nan]
In [ ]:
data= data.drop('Event gender', axis = 1)
data= data.drop('Country Code', axis = 1)
data.head()
Out[]:
       City
                       Sport Discipline
                                               Event
                                                                Athlete
                                                                        Gender
                                                                                   Country
                                                                                             Medal
               Year
                                                 3m
                                                                                      East
   Montreal
             1976.0 Aquatics
                                                       KÖHLER, Christa
                                                                        Women
                                                                                             Silver
                                 Diving
                                          springboard
                                                                                   Germany
                                                 3m
                                                           KOSENKOV,
                                                                                     Soviet
                                                                                            Bronze
   Montreal 1976.0 Aquatics
                                 Diving
                                                                           Men
                                          springboard
                                                              Aleksandr
                                                                                     Union
   Montreal 1976.0 Aquatics
                                 Diving
                                                 3m
                                                          BOGGS, Philip
                                                                           Men
                                                                                     United
                                                                                              Gold
```

| | City | Year | Sport | Discipline | Event | Athlete | Gender | Country | Medal |
|--|---|---------------------------------|-----------------------|------------|-------------------|-----------------------------|-----------|------------------|---------|
| | | | | | springboard | George | | States | |
| 3 | Montreal | 1976.0 | Aquatics | Diving | 3m springboard | CAGNOTTO, Giorgio Franco | Men | Italy | Silver |
| 4 | Montreal | 1976.0 | Aquatics | Diving | 10m platform | WILSON, Deborah Keplar | Women | United States | Bronze |
| pr da pr da | <pre>int(data ta = dat int(data ta = dat ta = dat ta.head(</pre> | a.drop .isnul a.asty | na(how = l().sum() | 'all') | | | | | |
| Dis Eve Ath Ger Cou Med Spo Spo Eve Ath Ger Cou Med dty | ar ort scipline ent nlete nder untry dal ype: into scipline ent nlete nder untry dal ype: into | 0 0 0 0 0 0 0 | | Discipline | Event | Athlete | Gender | Country | Medal |
| 0 | Montreal | | Aquatics | Diving | 3m | KÖHLER, Christa | Women | East | Silver |
| • | | .070 | 4444 | 2.49 | springboard | | 7.0.11011 | Germany | 0.11101 |
| 1 | Montreal | 1976 | Aquatics | Diving | 3m springboard | KOSENKOV, Aleksandr | Men | Soviet Union | Bronze |
| 2 | Montreal | 1976 | Aguatics | Diving | 3m | BOGGS, Philip | Men | United | Gold |

Montreal 1976 Aquatics Diving Men Gold springboard States George 3m CAGNOTTO, Montreal 1976 Aquatics Diving Men Italy Silver springboard Giorgio Franco WILSON, Deborah United Montreal 1976 Aquatics Diving 10m platform Women Bronze Keplar States

Q1. Which city hosted maximum number of olympics

Logic: Focus on City and Year. Get unique Year. Print the data.

```
In [ ]:
q1_data = data[["City", 'Year']]
q1 data = q1 data.drop duplicates('Year')
In [ ]:
q1 data
Out[]:
              City Year
    0
          Montreal
                  1976
  1422
          Moscow
                  1980
 2809
      Los Angeles
                  1984
 4268
            Seoul 1988
 5814
         Barcelona 1992
 7519
           Atlanta
                  1996
 9378
           Sydney 2000
```

Q2. Which city hosted most events.

Athens 2004

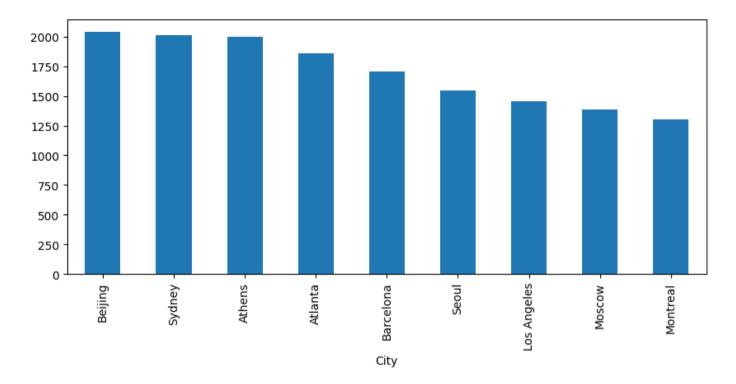
Beijing 2008

11393

13391

logic: Focus on City. Find count of unique values. Print the count

```
In [ ]:
    q2_data = data['City'].value_counts()
    q2_data.columns = ['City', 'Count']
    plt.figure(figsize = (10,4))
    q2_data.plot.bar(x = 'City', y = 'Count') # q2_data.plot(kind = 'bar', x= 'City', y = 'C
    out[ ]:
    <Axes: xlabel='City'>
```



Ans: Beijing has the hosted the biggest Olympics since 1976 till 2008. Followed by Sydney and Athens.

Q3. Understand the events themselves.

logic: Focus on Sport, Discipline and Event. Use groupby and see how many kinds and variations are there.

```
In [ ]:
q3_data = data[['Sport', 'Discipline', 'Event']].drop_duplicates()
print("Total number of unique events are held so far are :",len(q3_data))
q3_data
```

Total number of unique events are held so far are : 334 $Out[\]$:

| | Sport | Discipline | Event |
|----|----------|------------|------------------------|
| 0 | Aquatics | Diving | 3m springboard |
| 4 | Aquatics | Diving | 10m platform |
| 12 | Aquatics | Swimming | 4x100m freestyle relay |
| 13 | Aquatics | Swimming | 400m freestyle |
| 15 | Aquatics | Swimming | 1500m freestyle |
| 16 | Aquatics | Swimming | 400m individual medley |
| 17 | Aquatics | Swimming | 4x100m medley relay |
| 18 | Aquatics | Swimming | 800m freestyle |
| 21 | Aquatics | Swimming | 200m backstroke |
| 25 | Aquatics | Swimming | 200m freestyle |
| 26 | Aquatics | Swimming | 100m butterfly |
| 27 | Aquatics | Swimming | 100m backstroke |

| | Sport | Discipline | Event |
|-----|------------|------------|--------------------------------|
| 32 | Aquatics | Swimming | 4x200m freestyle relay |
| 39 | Aquatics | Swimming | 200m breaststroke |
| 46 | Aquatics | Swimming | 100m breaststroke |
| 53 | Aquatics | Swimming | 200m butterfly |
| 84 | Aquatics | Swimming | 100m freestyle |
| 126 | Aquatics | Water polo | water polo |
| 159 | Archery | Archery | individual FITA round |
| 165 | Athletics | Athletics | 4x400m relay |
| 166 | Athletics | Athletics | 4x100m relay |
| 167 | Athletics | Athletics | long jump |
| 170 | Athletics | Athletics | high jump |
| 171 | Athletics | Athletics | 100m hurdles |
| 172 | Athletics | Athletics | 400m |
| 173 | Athletics | Athletics | 5000m |
| 174 | Athletics | Athletics | 100m |
| 176 | Athletics | Athletics | pentathlon |
| 178 | Athletics | Athletics | 200m |
| 180 | Athletics | Athletics | hammer throw |
| 182 | Athletics | Athletics | decathlon |
| 184 | Athletics | Athletics | 800m |
| 190 | Athletics | Athletics | shot put |
| 195 | Athletics | Athletics | 3000m steeplechase |
| 196 | Athletics | Athletics | 1500m |
| 198 | Athletics | Athletics | triple jump |
| 201 | Athletics | Athletics | discus throw |
| 202 | Athletics | Athletics | javelin throw |
| 213 | Athletics | Athletics | marathon |
| 219 | Athletics | Athletics | 110m hurdles |
| 220 | Athletics | Athletics | 20km walk |
| 235 | Athletics | Athletics | 400m hurdles |
| 239 | Athletics | Athletics | pole vault |
| 253 | Athletics | Athletics | 10000m |
| 312 | Basketball | Basketball | basketball |
| 384 | Boxing | Boxing | 63.5 - 67kg (welterweight) |
| 385 | Boxing | Boxing | 67 - 71kg (light-middleweight) |

| | Sport | Discipline | Event |
|-----|---------------|-----------------|----------------------------------|
| 386 | Boxing | Boxing | 60 - 63.5kg (light-welterweight) |
| 388 | Boxing | Boxing | 71-75kg |
| 389 | Boxing | Boxing | 57 - 60kg (lightweight) |
| 390 | Boxing | Boxing | 75 - 81kg (light-heavyweight) |
| 391 | Boxing | Boxing | + 81kg (heavyweight) |
| 392 | Boxing | Boxing | 54 - 57kg (featherweight) |
| 393 | Boxing | Boxing | 48 - 51kg (flyweight) |
| 395 | Boxing | Boxing | 51 - 54kg (bantamweight) |
| 398 | Boxing | Boxing | - 48kg (light-flyweight) |
| 428 | Canoe / Kayak | Canoe / Kayak F | K-1 500m (kayak single) |
| 429 | Canoe / Kayak | Canoe / Kayak F | C-1 500m (canoe single) |
| 430 | Canoe / Kayak | Canoe / Kayak F | C-2 500m (canoe double) |
| 431 | Canoe / Kayak | Canoe / Kayak F | K-4 1000m (kayak four) |
| 432 | Canoe / Kayak | Canoe / Kayak F | K-1 1000m (kayak single) |
| 433 | Canoe / Kayak | Canoe / Kayak F | K-2 500m (kayak double) |
| 437 | Canoe / Kayak | Canoe / Kayak F | C-1 1000m (canoe single) |
| 440 | Canoe / Kayak | Canoe / Kayak F | K-2 1000m (kayak double) |
| 445 | Canoe / Kayak | Canoe / Kayak F | C-2 1000m (canoe double) |
| 485 | Cycling | Cycling Road | individual road race |
| 486 | Cycling | Cycling Road | team time trial |
| 500 | Cycling | Cycling Track | Team Pursuit (4000m) |
| 501 | Cycling | Cycling Track | Sprint indivual |
| 504 | Cycling | Cycling Track | 1km time trial |
| 505 | Cycling | Cycling Track | Individual Pursuit |
| 521 | Equestrian | Dressage | team |
| 523 | Equestrian | Dressage | individual |
| 533 | Equestrian | Eventing | team |
| 536 | Equestrian | Eventing | individual |
| 548 | Equestrian | Jumping | team |
| 549 | Equestrian | Jumping | individual |
| 563 | Fencing | Fencing | épée team |
| 564 | Fencing | Fencing | sabre team |
| 565 | Fencing | Fencing | foil team |
| 573 | Fencing | Fencing | foil individual |
| 586 | Fencing | Fencing | sabre individual |
| | | | |

| | Sport | Discipline | Event |
|------|-------------------|-----------------|---|
| 591 | Fencing | Fencing | épée individual |
| 634 | Football | Football | football |
| 685 | Gymnastics | Artistic G. | team competition |
| 688 | Gymnastics | Artistic G. | individual all-round |
| 689 | Gymnastics | Artistic G. | parallel bars |
| 691 | Gymnastics | Artistic G. | vault |
| 695 | Gymnastics | Artistic G. | pommel horse |
| 702 | Gymnastics | Artistic G. | horizontal bar |
| 704 | Gymnastics | Artistic G. | uneven bars |
| 707 | Gymnastics | Artistic G. | balance beam |
| 711 | Gymnastics | Artistic G. | floor exercises |
| 716 | Gymnastics | Artistic G. | rings |
| 759 | Handball | Handball | handball |
| 960 | Hockey | Hockey | hockey |
| 1008 | Judo | Judo | 70 - 80kg (middleweight) |
| 1009 | Judo | Judo | + 93kg (heavyweight) |
| 1010 | Judo | Judo | open category |
| 1011 | Judo | Judo | 63 - 70kg (half-middleweight) |
| 1012 | Judo | Judo | 80 - 93kg (half-heavyweight) |
| 1016 | Judo | Judo | - 63kg (lightweight) |
| 1032 | Modern Pentathlon | Modern Pentath. | Team competition |
| 1033 | Modern Pentathlon | Modern Pentath. | Individual competition |
| 1044 | Rowing | Rowing | eight with coxswain (8+) |
| 1046 | Rowing | Rowing | quadruple sculls without coxswain (4x) |
| 1047 | Rowing | Rowing | single sculls (1x) |
| 1048 | Rowing | Rowing | pair without coxswain (2-) |
| 1049 | Rowing | Rowing | four-oared shell with coxswain (4-) |
| 1052 | Rowing | Rowing | quadruple sculls with coxswain (4x) |
| 1058 | Rowing | Rowing | four without coxswain (4-) |
| 1065 | Rowing | Rowing | pair-oared shell with coxswain (2+) |
| 1076 | Rowing | Rowing | coxless pair (2-) |
| 1090 | Rowing | Rowing | double sculls (2x) |
| 1206 | Sailing | Sailing | fleet/match race keelboat open (Soling) |
| 1207 | Sailing | Sailing | tempest |
| 1208 | Sailing | Sailing | flying dutchman |

| | Sport | Discipline | Event |
|------|---------------|-----------------|---|
| 1209 | Sailing | Sailing | 470 - Two Person Dinghy |
| 1219 | Sailing | Sailing | Tornado - Multihull |
| 1221 | Sailing | Sailing | single-handed dinghy (Finn) |
| 1242 | Shooting | Shooting | 50m running target (30+30 shots) |
| 1243 | Shooting | Shooting | trap (125 targets) |
| 1244 | Shooting | Shooting | 50m rifle 3 positions (3x40 shots) |
| 1245 | Shooting | Shooting | skeet (125 targets) |
| 1246 | Shooting | Shooting | 50m pistol (60 shots) |
| 1251 | Shooting | Shooting | 50m rifle prone (60 shots) |
| 1257 | Shooting | Shooting | 25m rapid fire pistol (60 shots) |
| 1263 | Volleyball | Volleyball | volleyball |
| 1335 | Weightlifting | Weightlifting | 82.5 - 90kg, total (middle-heavyweight) |
| 1336 | Weightlifting | Weightlifting | + 110kg, total (super heavyweight) |
| 1338 | Weightlifting | Weightlifting | 75 - 82.5kg, total (light-heavyweight) |
| 1341 | Weightlifting | Weightlifting | - 56kg, total (bantamweight) |
| 1342 | Weightlifting | Weightlifting | 60 - 67.5kg, total (lightweight) |
| 1343 | Weightlifting | Weightlifting | 67.5 - 75kg, total (middleweight) |
| 1345 | Weightlifting | Weightlifting | - 52kg, total (flyweight) |
| 1347 | Weightlifting | Weightlifting | 56 - 60kg, total (featherweight) |
| 1349 | Weightlifting | Weightlifting | 91 - 110kg, total (heavyweight) |
| 1362 | Wrestling | Wrestling Free. | 57 - 62kg (featherweight) |
| 1363 | Wrestling | Wrestling Free. | 62 - 68kg (lightweight) |
| 1364 | Wrestling | Wrestling Free. | 74 - 82kg (middleweight) |
| 1365 | Wrestling | Wrestling Free. | + 100kg (super heavyweight) |
| 1367 | Wrestling | Wrestling Free. | 48 - 52kg (flyweight) |
| 1371 | Wrestling | Wrestling Free. | 82 - 90kg (light-heavyweight) |
| 1374 | Wrestling | Wrestling Free. | 90 - 100kg (heavyweight) |
| 1375 | Wrestling | Wrestling Free. | 68 - 74kg (welterweight) |
| 1376 | Wrestling | Wrestling Free. | - 48kg (light-flyweight) |
| 1377 | Wrestling | Wrestling Free. | 52 - 57kg (bantamweight) |
| 1392 | Wrestling | Wrestling Gre-R | 62 - 68kg (lightweight) |
| 1393 | Wrestling | Wrestling Gre-R | 68 - 74kg (welterweight) |
| 1394 | Wrestling | Wrestling Gre-R | - 48kg (light-flyweight) |
| 1396 | Wrestling | Wrestling Gre-R | 52 - 57kg (bantamweight) |
| 1397 | Wrestling | Wrestling Gre-R | + 100kg (super heavyweight) |

| 1398 Wrestling Wrestling Gre-R 90 - 100kg (heavyweight) 1401 Wrestling Wrestling Gre-R 48 - 52kg (flyweight) 1402 Wrestling Wrestling Gre-R 82 - 90kg (light-heavyweight) 1405 Wrestling Gre-R 57 - 62kg (featherweight) 1406 Wrestling Gre-R 74 - 82kg (middleweight) 1609 Athletics Athletics 50km walk 2385 Judo Judo 86 - 95kg (half-heavyweight) 2386 Judo Judo 71 - 78kg (light-weight) 2387 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo 78 - 86kg (middleweight) 2393 Judo Judo 78 - 86kg (middleweight) 2394 Judo Judo 60 - 65kg (half-lightweight) 2395 Judo Judo 78 - 86kg (middleweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Sailing Sailing 100 - 110kg, total (first-heavyweight) 2592 Aquatic | | Sport | Discipline | Event |
|---|------|---------------|-----------------|---------------------------------------|
| 1402 Wrestling Wrestling Gre-R 82 - 90kg (light-heavyweight) 1405 Wrestling Wrestling Gre-R 57 - 62kg (featherweight) 1406 Wrestling Wrestling Gre-R 74 - 82kg (middleweight) 1609 Athletics 50km walk 2385 Judo Judo -60 kg 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 65 - 71kg (lightweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo 65 - 71kg (lightweight) 2393 Judo Judo 78 - 86kg (middleweight) 2394 Judo Judo 60 - 65kg (half-lightweight) 2395 Judo Judo 60 - 65kg (half-lightweight) 2391 Salling Salling two-person keelboat open (Star) 2591 Salling Salling 100 - 110kg, total (first-heavyweight) 2727 Weightlifting Weightlifting 100 - 110kg, total (first-heavyweight) 2857 Aquatics | 1398 | Wrestling | Wrestling Gre-R | 90 - 100kg (heavyweight) |
| 1405 Wrestling Wrestling Gre-R 57 - 62kg (featherweight) 1406 Wrestling Wrestling Gre-R 74 - 82kg (middleweight) 1609 Athletics 50km walk 2385 Judo Judo -60 kg 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 65 - 71kg (lightweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo 78 - 86kg (middleweight) 2393 Judo Judo 60 - 65kg (half-lightweight) 2394 Judo Judo 60 - 65kg (half-lightweight) 2395 Judo Judo 60 - 65kg (half-lightweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Salling Salling two-person keelboat open (Star) 2772 Weightlifting Weightlifting 90 - 100kg, total (first-heavyweight) 2857 Aquatics Symchronized S. solo 2953 Aquatics Synchronized S. < | 1401 | Wrestling | Wrestling Gre-R | 48 - 52kg (flyweight) |
| 1406 Wrestling Mrestling Gre-R 74 - 82kg (middleweight) 1609 Athletics Athletics 50km walk 2385 Judo Judo -60 kg 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 71 - 78kg (half-middleweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo + 95kg (heavyweight) 2393 Judo Judo 78 - 86kg (middleweight) 2394 Judo Judo 78 - 86kg (middleweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Sailing Sailing two-person keelboat open (Star) 2727 Weightlifting Weightlifting 90 - 100kg, total (first-heavyweight) 2732 Weightlifting Weightlifting 100 - 110kg, total (heavyweight) 2857 Aquatics Swimming 200m individual medley 2953 Aquatics Synchronized S. duet 3061 Athletics Athletics | 1402 | Wrestling | Wrestling Gre-R | 82 - 90kg (light-heavyweight) |
| 1609 Athletics Athletics 50km walk 2385 Judo Judo -60 kg 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 71 - 78kg (half-heavyweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo + 95kg (heavyweight) 2393 Judo Judo 78 - 86kg (middleweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Sailing Sailing two-person keelboat open (Star) 2727 Weightlifting Weightlifting 90 - 100kg, total (first-heavyweight) 2732 Weightlifting Weightlifting 90 - 100kg, total (heavyweight) 2857 Aquatics Swimming 200m individual medley 2953 Aquatics Synchronized S. duet 3061 Athletics Athletics Athletics 3061 Athletics Athletics heptathlon 3240 Boxing Boxing 81- | 1405 | Wrestling | Wrestling Gre-R | 57 - 62kg (featherweight) |
| 2386 Judo Judo -60 kg 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 71 - 78kg (half-middleweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo + 95kg (heavyweight) 2393 Judo Judo 78 - 86kg (middleweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Sailing Sailing two-person keelboat open (Star) 2727 Weightlifting Weightlifting 90 - 100kg, total (first-heavyweight) 2857 Aquatics Swimming 200m individual medley 2953 Aquatics Swimming 200m individual medley 2953 Aquatics Synchronized S. duet 3061 Athletics Athletics Athletics heptathlon 3240 Boxing Boxing 81 - 91kg (heavyweight) 3253 Boxing Boxing K-4 500m (kayak four) 3298 Canoe / Kayak < | 1406 | Wrestling | Wrestling Gre-R | 74 - 82kg (middleweight) |
| 2386 Judo Judo 86 - 95kg (half-heavyweight) 2387 Judo Judo 71 - 78kg (half-middleweight) 2389 Judo Judo 65 - 71kg (lightweight) 2392 Judo Judo + 95kg (heavyweight) 2393 Judo Judo 78 - 86kg (middleweight) 2397 Judo Judo 60 - 65kg (half-lightweight) 2591 Sailing Sailing two-person keelboat open (Star) 2727 Weightlifting Weightlifting 90 - 100kg, total (first-heavyweight) 2732 Weightlifting Weightlifting 100 - 110kg, total (heavyweight) 2857 Aquatics Swimming 200m individual medley 2953 Aquatics Synchronized S. solo 2955 Aquatics Synchronized S. duet 3061 Athletics Athletics Athletics 3085 Athletics Athletics heptathlon 3240 Boxing Boxing 81 - 91kg (heavyweight) 3253 Boxing Boxi | 1609 | Athletics | Athletics | 50km walk |
| 2387JudoJudo71 - 78kg (half-middleweight)2389JudoJudo65 - 71kg (lightweight)2392JudoJudo+ 95kg (heavyweight)2393JudoJudo78 - 86kg (middleweight)2397JudoJudo60 - 65kg (half-lightweight)2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732WeightliftingWeightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthletics3000m3086AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing4 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting10m air rifle (60 shots)4070ShootingShooting50m rifle 3 positions (3x20 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4081AquaticsSwimming50m freestyle | 2385 | Judo | Judo | - 60 kg |
| 2389JudoJudo65 - 71kg (lightweight)2392JudoJudo+ 95kg (heavyweight)2393JudoJudo78 - 86kg (middleweight)2397JudoJudo60 - 65kg (half-lightweight)2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732WeightliftingWeightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4074ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArchery< | 2386 | Judo | Judo | 86 - 95kg (half-heavyweight) |
| 2392JudoJudo+ 95kg (heavyweight)2393JudoJudo78 - 86kg (middleweight)2397Judo60 - 65kg (half-lightweight)2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732WeightliftingWeightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4070ShootingShooting10m air rifle (60 shots)4080ShootingShooting10m air rifle (40 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryArcheryteams FITA round4878CyclingCycling Track <td< th=""><th>2387</th><th>Judo</th><th>Judo</th><th>71 - 78kg (half-middleweight)</th></td<> | 2387 | Judo | Judo | 71 - 78kg (half-middleweight) |
| 2393JudoJudo78 - 86kg (middleweight)2397JudoJudo60 - 65kg (half-lightweight)2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732WeightliftingWeightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4081ShootingSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2389 | Judo | Judo | 65 - 71kg (lightweight) |
| 2397JudoJudo60 - 65kg (half-lightweight)2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732Weightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2392 | Judo | Judo | + 95kg (heavyweight) |
| 2591SailingSailingtwo-person keelboat open (Star)2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732Weightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting10m air rifle (60 shots)4081ShootingShooting10m air rifle (40 shots)4082ShootingSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2393 | Judo | Judo | 78 - 86kg (middleweight) |
| 2727WeightliftingWeightlifting90 - 100kg, total (first-heavyweight)2732Weightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting50m rifle 3 positions (3x20 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting50m rifle 3 positions (3x20 shots)4080AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2397 | Judo | Judo | 60 - 65kg (half-lightweight) |
| 2732WeightliftingWeightlifting100 - 110kg, total (heavyweight)2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4081ShootingShooting10m air rifle (40 shots)4083ShootingShooting50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2591 | Sailing | Sailing | two-person keelboat open (Star) |
| 2857AquaticsSwimming200m individual medley2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073Shooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080Shooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2727 | Weightlifting | Weightlifting | 90 - 100kg, total (first-heavyweight) |
| 2953AquaticsSynchronized S.solo2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080Shooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2732 | Weightlifting | Weightlifting | 100 - 110kg, total (heavyweight) |
| 2955AquaticsSynchronized S.duet3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080Shooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2857 | Aquatics | Swimming | 200m individual medley |
| 3061AthleticsAthletics3000m3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2953 | Aquatics | Synchronized S. | solo |
| 3085AthleticsAthleticsheptathlon3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080Shooting50m rifle 3 positions (3x20 shots)4088ShootingShooting50m rifle 3 positions (3x20 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 2955 | Aquatics | Synchronized S. | duet |
| 3240BoxingBoxing81 - 91kg (heavyweight)3253BoxingBoxing+ 91kg (super heavyweight)3298Canoe / KayakK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080Shooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 3061 | Athletics | Athletics | 3000m |
| Boxing Boxing + 91kg (super heavyweight) Canoe / Kayak F | 3085 | Athletics | Athletics | heptathlon |
| 3298Canoe / KayakCanoe / Kayak FK-4 500m (kayak four)3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 3240 | Boxing | Boxing | 81 - 91kg (heavyweight) |
| 3389CyclingCycling TrackPoints Race3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 3253 | Boxing | Boxing | + 91kg (super heavyweight) |
| 3644GymnasticsRhythmic G.individual all-round4041SailingSailingboard (windglider)4073ShootingShooting25m pistol (30+30 shots)4077ShootingShooting10m air rifle (60 shots)4080ShootingShooting50m rifle 3 positions (3x20 shots)4088ShootingShooting10m air rifle (40 shots)4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 3298 | Canoe / Kayak | Canoe / Kayak F | K-4 500m (kayak four) |
| 4041 Sailing Sailing board (windglider) 4073 Shooting Shooting 25m pistol (30+30 shots) 4077 Shooting Shooting 10m air rifle (60 shots) 4080 Shooting Shooting 50m rifle 3 positions (3x20 shots) 4088 Shooting Shooting 10m air rifle (40 shots) 4310 Aquatics Swimming 50m freestyle 4470 Archery Archery teams FITA round 4878 Cycling Cycling Track sprint | 3389 | Cycling | Cycling Track | Points Race |
| 4073 Shooting Shooting 25m pistol (30+30 shots) 4077 Shooting Shooting 10m air rifle (60 shots) 4080 Shooting Shooting 50m rifle 3 positions (3x20 shots) 4088 Shooting Shooting 10m air rifle (40 shots) 4310 Aquatics Swimming 50m freestyle 4470 Archery Archery teams FITA round 4878 Cycling Cycling Track sprint | 3644 | Gymnastics | Rhythmic G. | individual all-round |
| 4077 Shooting Shooting 10m air rifle (60 shots) 4080 Shooting Shooting 50m rifle 3 positions (3x20 shots) 4088 Shooting Shooting 10m air rifle (40 shots) 4310 Aquatics Swimming 50m freestyle 4470 Archery Archery teams FITA round 4878 Cycling Cycling Track sprint | 4041 | Sailing | Sailing | board (windglider) |
| 4080 Shooting Shooting 50m rifle 3 positions (3x20 shots) 4088 Shooting Shooting 10m air rifle (40 shots) 4310 Aquatics Swimming 50m freestyle 4470 Archery Archery teams FITA round 4878 Cycling Cycling Track sprint | 4073 | Shooting | Shooting | 25m pistol (30+30 shots) |
| 4088 Shooting Shooting 10m air rifle (40 shots) 4310 Aquatics Swimming 50m freestyle 4470 Archery Archery teams FITA round 4878 Cycling Cycling Track sprint | 4077 | Shooting | Shooting | 10m air rifle (60 shots) |
| 4310AquaticsSwimming50m freestyle4470ArcheryArcheryteams FITA round4878CyclingCycling Tracksprint | 4080 | Shooting | Shooting | 50m rifle 3 positions (3x20 shots) |
| 4470 Archery Archery teams FITA round 4878 Cycling Track sprint | 4088 | Shooting | Shooting | 10m air rifle (40 shots) |
| 4878 Cycling Cycling Track sprint | 4310 | Aquatics | Swimming | 50m freestyle |
| , , , , | 4470 | Archery | Archery | teams FITA round |
| 5535 Sailing Sailing board (division II) | 4878 | Cycling | Cycling Track | sprint |
| | 5535 | Sailing | Sailing | board (division II) |

| | Sport | Discipline | Event |
|------|---------------|-----------------|---------------------------------------|
| 5574 | Shooting | Shooting | 10m air pistol (60 shots) |
| 5584 | Shooting | Shooting | 10m air pistol (40 shots) |
| 5610 | Table Tennis | Table Tennis | doubles |
| 5612 | Table Tennis | Table Tennis | singles |
| 5628 | Tennis | Tennis | doubles |
| 5630 | Tennis | Tennis | singles |
| 5764 | Wrestling | Wrestling Free. | 100 - 130kg (super heavyweight) |
| 5790 | Wrestling | Wrestling Gre-R | 100 - 130kg (super heavyweight) |
| 6042 | Archery | Archery | team (FITA Olympic round - 70m) |
| 6043 | Archery | Archery | individual (FITA Olympic round - 70m) |
| 6076 | Athletics | Athletics | 10000m walk |
| 6244 | Badminton | Badminton | singles |
| 6245 | Badminton | Badminton | doubles |
| 6268 | Baseball | Baseball | baseball |
| 6517 | Canoe / Kayak | Canoe / Kayak S | C-2 (canoe double) |
| 6518 | Canoe / Kayak | Canoe / Kayak S | C-1 (canoe single) |
| 6519 | Canoe / Kayak | Canoe / Kayak S | K-1 (kayak single) |
| 6550 | Cycling | Cycling Track | individual pursuit |
| 6997 | Judo | Judo | 61 - 66kg (middleweight) |
| 6998 | Judo | Judo | 52 - 56kg (lightweight) |
| 6999 | Judo | Judo | 56 - 61kg (half-middleweight) |
| 7000 | Judo | Judo | + 72kg (heavyweight) |
| 7003 | Judo | Judo | 66 - 72kg (half-heavyweight) |
| 7010 | Judo | Judo | - 48kg (extra-lightweight) |
| 7011 | Judo | Judo | 48 - 52kg (half-lightweight) |
| 7075 | Rowing | Rowing | coxless four (4-) |
| 7224 | Sailing | Sailing | board (lechner) |
| 7229 | Sailing | Sailing | single-handed dinghy (Europe) |
| 7712 | Aquatics | Synchronized S. | team |
| 8275 | Cycling | Cycling Road | individual time trial |
| 8285 | Cycling | Cycling Track | points race |
| 8319 | Cycling | Mountain Bike | cross-country |
| 8614 | Gymnastics | Rhythmic G. | group competition |
| 8830 | Judo | Judo | 90 - 100kg (half-heavyweight) |
| 8835 | Judo | Judo | 73 - 81kg (half-middleweight) |
| | | | |

| | Sport | Discipline | Event |
|-------|---------------|---------------|---------------------------------------|
| 8837 | Judo | Judo | 60 - 66kg (half-lightweight) |
| 8839 | Judo | Judo | 66 - 73kg (lightweight) |
| 8845 | Judo | Judo | + 100kg (heavyweight) |
| 8854 | Judo | Judo | 81 - 90kg (middleweight) |
| 8887 | Rowing | Rowing | lightweight double sculls (2x) |
| 8897 | Rowing | Rowing | lightweight coxless four (4-) |
| 9032 | Sailing | Sailing | board (Mistral) |
| 9055 | Sailing | Sailing | single-handed dinghy open (Laser) |
| 9079 | Shooting | Shooting | double trap (120 targets) |
| 9106 | Shooting | Shooting | double trap (150 targets) |
| 9123 | Softball | Softball | softball |
| 9204 | Volleyball | Beach volley. | beach volleyball |
| 9288 | Weightlifting | Weightlifting | 76 - 83kg, total (light-heavyweight) |
| 9289 | Weightlifting | Weightlifting | 64 - 70kg, total (lightweight) |
| 9290 | Weightlifting | Weightlifting | 99 - 108kg, total (heavyweight) |
| 9292 | Weightlifting | Weightlifting | 70 - 76kg, total (middleweight) |
| 9294 | Weightlifting | Weightlifting | - 54kg, total (flyweight) |
| 9295 | Weightlifting | Weightlifting | 59 - 64kg, total (featherweight) |
| 9296 | Weightlifting | Weightlifting | 91 - 99kg, total (first-heavyweight) |
| 9297 | Weightlifting | Weightlifting | 83 - 91kg, total (middle-heavyweight) |
| 9298 | Weightlifting | Weightlifting | + 108kg, total (super heavyweight) |
| 9309 | Weightlifting | Weightlifting | 54 - 59kg, total (bantamweight) |
| 9379 | Aquatics | Diving | synchronized diving 10m platform |
| 9380 | Aquatics | Diving | synchronized diving 3m springboard |
| 9762 | Athletics | Athletics | 20km race walk |
| 10232 | Cycling | Cycling Track | Olympic Sprint |
| 10236 | Cycling | Cycling Track | 500m time trial |
| 10238 | Cycling | Cycling Track | Madison |
| 10239 | Cycling | Cycling Track | Keirin |
| 10602 | Gymnastics | Trampoline | individual |
| 10796 | Judo | Judo | + 78kg (heavyweight) |
| 10797 | Judo | Judo | 57 - 63kg (half-middleweight) |
| 10800 | Judo | Judo | 63 - 70kg (middleweight) |
| 10802 | Judo | Judo | 52 - 57kg (lightweight) |
| 10818 | Judo | Judo | 70 - 78kg (half-heavyweight) |

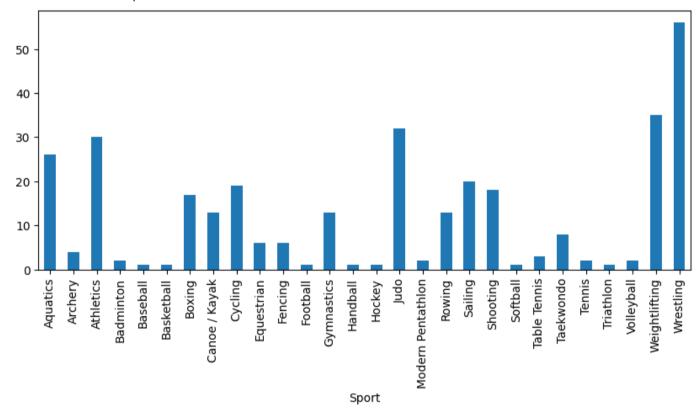
| | Sport | Discipline | Event |
|-------|---------------|-----------------|----------------------------------|
| 11006 | Sailing | Sailing | 49er - Skiff |
| 11068 | Shooting | Shooting | 10m running target (30+30 shots) |
| 11071 | Shooting | Shooting | trap (75 targets) |
| 11085 | Shooting | Shooting | skeet (75 targets) |
| 11168 | Taekwondo | Taekwondo | 58 - 68 kg |
| 11169 | Taekwondo | Taekwondo | + 67 kg |
| 11170 | Taekwondo | Taekwondo | + 80 kg |
| 11171 | Taekwondo | Taekwondo | 57 - 67 kg |
| 11172 | Taekwondo | Taekwondo | - 49 kg |
| 11177 | Taekwondo | Taekwondo | 68 - 80 kg |
| 11179 | Taekwondo | Taekwondo | 49 - 57 kg |
| 11180 | Taekwondo | Taekwondo | - 58 kg |
| 11210 | Triathlon | Triathlon | Individual |
| 11300 | Weightlifting | Weightlifting | 48kg |
| 11301 | Weightlifting | Weightlifting | 75kg |
| 11302 | Weightlifting | Weightlifting | 63kg |
| 11305 | Weightlifting | Weightlifting | + 105kg |
| 11306 | Weightlifting | Weightlifting | + 75kg |
| 11309 | Weightlifting | Weightlifting | 58kg |
| 11310 | Weightlifting | Weightlifting | 53kg |
| 11313 | Weightlifting | Weightlifting | 77kg |
| 11315 | Weightlifting | Weightlifting | 62kg |
| 11316 | Weightlifting | Weightlifting | 94kg |
| 11319 | Weightlifting | Weightlifting | 69kg |
| 11321 | Weightlifting | Weightlifting | 56kg |
| 11322 | Weightlifting | Weightlifting | 85kg |
| 11323 | Weightlifting | Weightlifting | 105kg |
| 11345 | Wrestling | Wrestling Free. | 54 - 58kg |
| 11346 | Wrestling | Wrestling Free. | 97 - 130kg |
| 11348 | Wrestling | Wrestling Free. | 58 - 63kg |
| 11349 | Wrestling | Wrestling Free. | 69 - 76kg |
| 11350 | Wrestling | Wrestling Free. | 76 - 85kg |
| 11351 | Wrestling | Wrestling Free. | 85 - 97kg |
| 11353 | Wrestling | Wrestling Free. | 48 - 54kg |
| 11354 | Wrestling | Wrestling Free. | 63 - 69kg |

| | Sport | Discipline | Event |
|-------|-----------|-----------------|------------------------|
| 11369 | Wrestling | Wrestling Gre-R | 63 - 69kg |
| 11370 | Wrestling | Wrestling Gre-R | 97 - 130kg |
| 11371 | Wrestling | Wrestling Gre-R | 85 - 97kg |
| 11372 | Wrestling | Wrestling Gre-R | 48 - 54kg |
| 11374 | Wrestling | Wrestling Gre-R | 76 - 85kg |
| 11375 | Wrestling | Wrestling Gre-R | 69 - 76kg |
| 11379 | Wrestling | Wrestling Gre-R | 58 - 63kg |
| 11381 | Wrestling | Wrestling Gre-R | 54 - 58kg |
| 12099 | Boxing | Boxing | 60 - 64 kg |
| 12101 | Boxing | Boxing | 69 - 75 kg |
| 12106 | Boxing | Boxing | 48kg (light flywieght) |
| 12113 | Boxing | Boxing | 64 - 69 kg |
| 12244 | Cycling | Cycling Track | Team Sprint |
| 12799 | Judo | Judo | - 48 kg |
| 12995 | Sailing | Sailing | Yngling - Keelboat |
| 13002 | Sailing | Sailing | Star - Keelboat |
| 13337 | Wrestling | Wrestling Free. | 60 - 66kg |
| 13338 | Wrestling | Wrestling Free. | 48 - 55kg |
| 13339 | Wrestling | Wrestling Free. | 96 - 120kg |
| 13340 | Wrestling | Wrestling Free. | - 55kg |
| 13341 | Wrestling | Wrestling Free. | - 48kg |
| 13342 | Wrestling | Wrestling Free. | 55 - 60kg |
| 13343 | Wrestling | Wrestling Free. | 63 - 72kg |
| 13344 | Wrestling | Wrestling Free. | 55 - 63kg |
| 13351 | Wrestling | Wrestling Free. | 74 - 84kg |
| 13353 | Wrestling | Wrestling Free. | 84 - 96kg |
| 13357 | Wrestling | Wrestling Free. | 66 - 74kg |
| 13370 | Wrestling | Wrestling Gre-R | 55 - 60kg |
| 13372 | Wrestling | Wrestling Gre-R | 74 - 84kg |
| 13373 | Wrestling | Wrestling Gre-R | 96 - 120kg |
| 13374 | Wrestling | Wrestling Gre-R | 60 - 66kg |
| 13377 | Wrestling | Wrestling Gre-R | 84 - 96kg |
| 13378 | Wrestling | Wrestling Gre-R | - 55kg |
| 13380 | Wrestling | Wrestling Gre-R | 66 - 74kg |
| 13433 | Aquatics | Swimming | marathon 10km |

| | Sport | Discipline | Event |
|-------|--------------|--------------|----------------------------------|
| 14235 | Cycling | BMX | individual |
| 14238 | Cycling | BMX | Individual |
| 15016 | Sailing | Sailing | Laser Radial - One Person Dinghy |
| 15020 | Sailing | Sailing | Finn - Heavyweight Dinghy |
| 15026 | Sailing | Sailing | Laser - One Person Dinghy |
| 15029 | Sailing | Sailing | RS:X - Windsurfer |
| 15153 | Table Tennis | Table Tennis | team |

```
In [ ]:
q3_data = q3_data.groupby(['Sport'])['Sport'].size()
plt.figure(figsize = (10,4))
q3_data.plot.bar(x = 'Sport', y = 'Count')
```

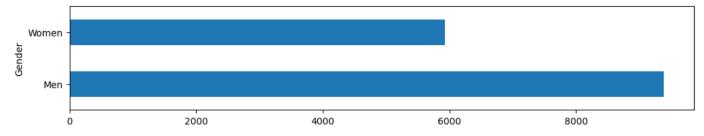
<Axes: xlabel='Sport'>



Ans. Sports with most events are Wrestling, Weightlifting and Judo. Total number of unique events are held: 334

Q4. Put some light on gender ratio in winning teams?

```
In [ ]:
    q5_data = data.groupby(['Gender'])['Gender'].count()
    plt.figure(figsize = (12,2))
    q5_data.plot.barh(x = 'Athlete', y = 'Count')
Out[ ]:
```

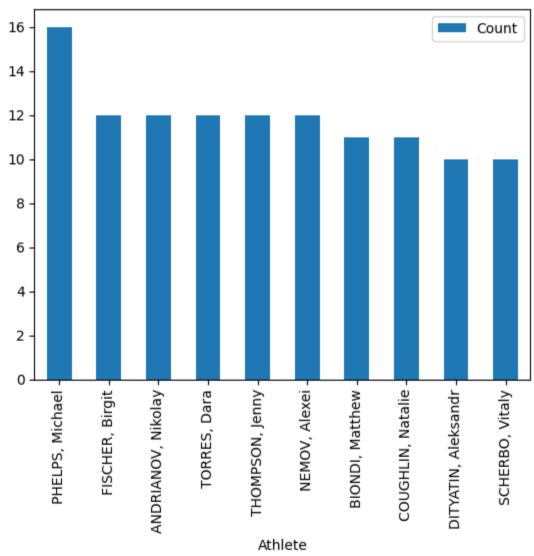


It seems that there are some events which are made only for male

Q5. Which Athlete has win most medal from given period?

```
In [ ]:
    q4_data = data.groupby(['Athlete'])['Athlete'].count().reset_index(name ='Count').sort_v
    q4_data = q4_data[:10]
    q4_data.plot.bar(x = 'Athlete', y = 'Count')

Out[ ]:
    <Axes: xlabel='Athlete'>
```



Ans. So Michael Phelps won 16 mdeal durin 1976 to 2008. Clearly mindblowing record !!

In []:

```
q5_data = data[['Event', 'Gender']]
q5_data = q5_data.groupby(['Event', 'Gender'])['Gender'].count()
q5_data
```

Out[]:

| Gender |
|--------|
|--------|

| | | Gender |
|------------------------------------|--------|--------|
| Event | Gender | |
| + 100kg (heavyweight) | Men | 16 |
| + 100kg (super heavyweight) | Men | 18 |
| + 105kg | Men | 9 |
| + 108kg, total (super heavyweight) | Men | 3 |
| + 110kg, total (super heavyweight) | Men | 15 |
| + 67 kg | Women | 10 |
| + 72kg (heavyweight) | Women | 8 |
| + 75kg | Women | 9 |
| + 78kg (heavyweight) | Women | 12 |
| + 80 kg | Men | 10 |
| + 81kg (heavyweight) | Men | 8 |
| + 91kg (super heavyweight) | Men | 28 |
| + 93kg (heavyweight) | Men | 4 |
| + 95kg (heavyweight) | Men | 16 |
| - 48 kg | Women | 8 |
| - 48kg | Women | 7 |
| - 48kg (extra-lightweight) | Women | 12 |
| - 48kg (light-flyweight) | Men | 64 |
| - 49 kg | Women | 10 |
| - 52kg, total (flyweight) | Men | 15 |
| - 54kg, total (flyweight) | Men | 3 |
| - 55kg | Men | 14 |
| - 56kg, total (bantamweight) | Men | 21 |
| - 58 kg | Men | 10 |
| - 60 kg | Men | 32 |
| - 63kg (lightweight) | Men | 4 |
| 100 - 110kg, total (heavyweight) | Men | 12 |
| 100 - 130kg (super heavyweight) | Men | 18 |
| 10000m | Men | 27 |
| | Women | 18 |

| ender | nt | Event |
|---------------|----|----------------------------------|
| omen 6 | lk | 10000m walk |
| Men 27 | m | 100m |
| omen 27 | | |
| Men 28 | е | 100m backstroke |
| omen 27 | | |
| Men 27 | е | 100m breaststroke |
| omen 27 | | |
| Men 27 | ly | 100m butterfly |
| omen 27 | | |
| Men 28 | le | 100m freestyle |
| omen 28 | | |
| omen 28 | es | 100m hurdles |
| Men 9 | g | 105kg |
| omen 18 | s) | 10m air pistol (40 shots) |
| Men 18 | s) | 10m air pistol (60 shots) |
| omen 21 | s) | 10m air rifle (40 shots) |
| Men 21 | s) | 10m air rifle (60 shots) |
| Men 27 | m | 10m platform |
| omen 27 | | |
| Men 6 | s) | 10m running target (30+30 shots) |
| Men 27 | es | 110m hurdles |
| Men 27 | m | 1500m |
| omen 27 | | |
| Men 27 | le | 1500m freestyle |
| Men 24 | al | 1km time trial |
| Men 27 | m | 200m |
| omen 27 | | |
| Men 27 | е | 200m backstroke |
| omen 28 | | |
| Men 27 | е | 200m breaststroke |
| omen 27 | | |
| Men 27 | ly | 200m butterfly |
| omen 27 | | |
| Men 27 | le | 200m freestyle |
| | | |

| Event | Gender | |
|----------------------------------|--------|-----|
| | Women | 27 |
| 200m individual medley | Men | 21 |
| | Women | 21 |
| 20km race walk | Women | 9 |
| 20km walk | Men | 27 |
| 25m pistol (30+30 shots) | Women | 21 |
| 25m rapid fire pistol (60 shots) | Men | 27 |
| 3000m | Women | 9 |
| 3000m steeplechase | Men | 27 |
| | Women | 3 |
| 3m springboard | Men | 27 |
| | Women | 27 |
| 400m | Men | 27 |
| | Women | 27 |
| 400m freestyle | Men | 27 |
| | Women | 27 |
| 400m hurdles | Men | 27 |
| | Women | 21 |
| 400m individual medley | Men | 27 |
| | Women | 27 |
| 470 - Two Person Dinghy | Men | 54 |
| | Women | 36 |
| 48 - 51kg (flyweight) | Men | 36 |
| 48 - 52kg (flyweight) | Men | 36 |
| 48 - 52kg (half-lightweight) | Women | 20 |
| 48 - 54kg | Men | 6 |
| 48 - 55kg | Women | 7 |
| 48kg | Women | 9 |
| 48kg (light flywieght) | Men | 8 |
| 49 - 57 kg | Women | 10 |
| 49er - Skiff | Men | 18 |
| 4x100m freestyle relay | Men | 110 |
| | Women | 131 |
| 4x100m medley relay | Men | 144 |

| Event | Gender | |
|------------------------------------|--------|-----|
| | Women | 147 |
| 4x100m relay | Men | 116 |
| | Women | 116 |
| 4x200m freestyle relay | Men | 133 |
| | Women | 74 |
| 4x400m relay | Men | 119 |
| | Women | 122 |
| 5000m | Men | 27 |
| | Women | 12 |
| 500m time trial | Women | 6 |
| 50km walk | Men | 24 |
| 50m freestyle | Men | 18 |
| | Women | 19 |
| 50m pistol (60 shots) | Men | 27 |
| 50m rifle 3 positions (3x20 shots) | Women | 21 |
| 50m rifle 3 positions (3x40 shots) | Men | 26 |
| | Women | 1 |
| 50m rifle prone (60 shots) | Men | 27 |
| 50m running target (30+30 shots) | Men | 18 |
| 51 - 54kg (bantamweight) | Men | 36 |
| 52 - 56kg (lightweight) | Women | 8 |
| 52 - 57kg (bantamweight) | Men | 36 |
| 52 - 57kg (lightweight) | Women | 12 |
| 53kg | Women | 9 |
| 54 - 57kg (featherweight) | Men | 36 |
| 54 - 58kg | Men | 6 |
| 54 - 59kg, total (bantamweight) | Men | 3 |
| 55 - 60kg | Men | 14 |
| 55 - 63kg | Women | 7 |
| 56 - 60kg, total (featherweight) | Men | 15 |
| 56 - 61kg (half-middleweight) | Women | 8 |
| 56kg | Men | 3 |
| 57 - 60kg (lightweight) | Men | 36 |
| 57 - 62kg (featherweight) | Men | 36 |

| Event | Gender | |
|-----------------------------------|--------|----|
| 57 - 63kg (half-middleweight) | Women | 12 |
| 57 - 67 kg | Women | 10 |
| 58 - 63kg | Men | 6 |
| 58 - 68 kg | Men | 10 |
| 58kg | Women | 9 |
| 59 - 64kg, total (featherweight) | Men | 3 |
| 60 - 63.5kg (light-welterweight) | Men | 28 |
| 60 - 64 kg | Men | 8 |
| 60 - 65kg (half-lightweight) | Men | 16 |
| 60 - 66kg | Men | 14 |
| 60 - 66kg (half-lightweight) | Men | 16 |
| 60 - 67.5kg, total (lightweight) | Men | 15 |
| 61 - 66kg (middleweight) | Women | 8 |
| 62 - 68kg (lightweight) | Men | 36 |
| 62kg | Men | 9 |
| 63 - 69kg | Men | 6 |
| 63 - 70kg (half-middleweight) | Men | 4 |
| 63 - 70kg (middleweight) | Women | 12 |
| 63 - 72kg | Women | 7 |
| 63.5 - 67kg (welterweight) | Men | 28 |
| 63kg | Women | 9 |
| 64 - 69 kg | Men | 8 |
| 64 - 70kg, total (lightweight) | Men | 3 |
| 65 - 71kg (lightweight) | Men | 16 |
| 66 - 72kg (half-heavyweight) | Women | 8 |
| 66 - 73kg (lightweight) | Men | 16 |
| 66 - 74kg | Men | 14 |
| 67 - 71kg (light-middleweight) | Men | 28 |
| 67.5 - 75kg, total (middleweight) | Men | 15 |
| 68 - 74kg (welterweight) | Men | 36 |
| 68 - 80 kg | Men | 10 |
| 69 - 75 kg | Men | 8 |
| 69 - 76kg | Men | 6 |
| 69kg | Men | 9 |

| Event | Gender | |
|---|--------|----|
| | Women | 9 |
| 70 - 76kg, total (middleweight) | Men | 3 |
| 70 - 78kg (half-heavyweight) | Women | 12 |
| 70 - 80kg (middleweight) | Men | 4 |
| 71 - 78kg (half-middleweight) | Men | 16 |
| 71-75kg | Men | 28 |
| 73 - 81kg (half-middleweight) | Men | 16 |
| 74 - 82kg (middleweight) | Men | 36 |
| 74 - 84kg | Men | 13 |
| 75 - 81kg (light-heavyweight) | Men | 36 |
| 75 - 82.5kg, total (light-heavyweight) | Men | 14 |
| 75kg | Women | 9 |
| 76 - 83kg, total (light-heavyweight) | Men | 3 |
| 76 - 85kg | Men | 6 |
| 77kg | Men | 9 |
| 78 - 86kg (middleweight) | Men | 16 |
| 80 - 93kg (half-heavyweight) | Men | 4 |
| 800m | Men | 27 |
| | Women | 27 |
| 800m freestyle | Women | 27 |
| 81 - 90kg (middleweight) | Men | 16 |
| 81 - 91kg (heavyweight) | Men | 28 |
| 82 - 90kg (light-heavyweight) | Men | 36 |
| 82.5 - 90kg, total (middle-heavyweight) | Men | 15 |
| 83 - 91kg, total (middle-heavyweight) | Men | 3 |
| 84 - 96kg | Men | 14 |
| 85 - 97kg | Men | 6 |
| 85kg | Men | 9 |
| 86 - 95kg (half-heavyweight) | Men | 16 |
| 90 - 100kg (half-heavyweight) | Men | 16 |
| 90 - 100kg (heavyweight) | Men | 36 |
| 90 - 100kg, total (first-heavyweight) | Men | 12 |
| 91 - 110kg, total (heavyweight) | Men | 3 |
| 91 - 99kg, total (first-heavyweight) | Men | 3 |

| Event | Gender | |
|----------------------------------|--------|-----|
| 94kg | Men | 9 |
| 96 - 120kg | Men | 14 |
| 97 - 130kg | Men | 6 |
| 99 - 108kg, total (heavyweight) | Men | 3 |
| C-1 (canoe single) | Men | 15 |
| C-1 1000m (canoe single) | Men | 27 |
| C-1 500m (canoe single) | Men | 27 |
| C-2 (canoe double) | Men | 30 |
| C-2 1000m (canoe double) | Men | 54 |
| C-2 500m (canoe double) | Men | 54 |
| Finn - Heavyweight Dinghy | Men | 3 |
| Individual | Men | 12 |
| | Women | 9 |
| Individual Pursuit | Men | 27 |
| Individual competition | Men | 27 |
| | Women | 9 |
| K-1 (kayak single) | Men | 15 |
| | Women | 15 |
| K-1 1000m (kayak single) | Men | 27 |
| K-1 500m (kayak single) | Men | 27 |
| | Women | 27 |
| K-2 1000m (kayak double) | Men | 54 |
| K-2 500m (kayak double) | Men | 54 |
| | Women | 54 |
| K-4 1000m (kayak four) | Men | 108 |
| K-4 500m (kayak four) | Women | 84 |
| Keirin | Men | 9 |
| Laser - One Person Dinghy | Men | 3 |
| Laser Radial - One Person Dinghy | Women | 3 |
| Madison | Men | 18 |
| Olympic Sprint | Men | 9 |
| Points Race | Men | 21 |
| RS:X - Windsurfer | Men | 3 |
| | Women | 3 |

| Sprint indivual Men 27 | | Gender | Event |
|---|-----|--------|---------------------------|
| Team Pursuit (4000m) Men 118 | 27 | Men | Sprint indivual |
| Team Sprint Men | 12 | Men | Star - Keelboat |
| Team competition Men 45 | 118 | Men | Team Pursuit (4000m) |
| Tornado - Multihull Men 54 | 18 | Men | Team Sprint |
| Yngling - Keelboat Women 18 balance beam Women 28 baseball Men 335 basketball Men 323 Women 24 Women 24 Women 24 Women 9 board (Mistral) Men 9 Women 9 Women 3 board (lechner) Men 3 women 3 Women 3 coxless four (4-) Women 12 coxless pair (2-) Men 12 decathlon Men 27 discus throw Men 27 double sculls (2x) Men 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 12 Women 14 Momen 14 double Women 14 double Women 14 | 45 | Men | Team competition |
| balance beam Women 28 | 54 | Men | Tornado - Multihull |
| baseball Men 335 basketball Men 323 Women 323 beach volleyball Men 24 Women 24 board (Mistral) Men 9 Women 9 board (division II) Men 3 board (lechner) Men 3 women 3 Women 3 coxless four (4-) Women 12 coxless pair (2-) Men 54 cross-country Men 12 decathlon Men 27 discus throw Men 27 double sculls (2x) Men 54 women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 women 114 duet Women 36 | 18 | Women | Yngling - Keelboat |
| basketball Men 323 | 28 | Women | balance beam |
| Women 323 | 335 | Men | baseball |
| beach volleyball Men 24 women 24 board (Mistral) Men 9 women 9 board (division II) Men 3 board (lechner) Men 3 women 3 Women 12 coxless four (4-) Women 12 coxless pair (2-) Men 54 women 12 Women 27 discus throw Men 27 double sculls (2x) Men 54 women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 women 114 Men 36 | 323 | Men | basketball |
| Nomen 24 | 323 | Women | |
| board (Mistral) Men 9 | 24 | Men | beach volleyball |
| Women 9 | 24 | Women | |
| board (division II) Men 3 board (lechner) Men 3 Women 3 board (windglider) Men 3 coxless four (4-) Women 12 coxless pair (2-) Men 54 cross-country Men 12 Women 12 decathlon Men 27 discus throw Men 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 9 | Men | board (Mistral) |
| board (lechner) Men 3 | 9 | Women | |
| Women 3 | 3 | Men | board (division II) |
| board (windglider) Men 3 | 3 | Men | board (lechner) |
| Coxless four (4-) Women 12 | 3 | Women | |
| coxless pair (2-) Men 54 cross-country Men 12 Women 12 decathlon Men 27 discus throw Men 27 Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 3 | Men | board (windglider) |
| cross-country Men 12 Women 12 decathlon Men 27 discus throw Men 27 Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 12 | Women | coxless four (4-) |
| decathlon Men 27 discus throw Men 27 Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 54 | Men | coxless pair (2-) |
| decathlon Men 27 discus throw Men 27 Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 12 | Men | cross-country |
| discus throw Men 27 Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 12 | Women | |
| Women 27 double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 27 | Men | decathlon |
| double sculls (2x) Men 54 Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 27 | Men | discus throw |
| Women 54 double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 27 | Women | |
| double trap (120 targets) Women 9 double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 54 | Men | double sculls (2x) |
| double trap (150 targets) Men 12 doubles Men 116 Women 114 duet Women 36 | 54 | Women | |
| doublesMen116Women114duetWomen36 | 9 | Women | double trap (120 targets) |
| duet Women 114 | 12 | Men | double trap (150 targets) |
| duet Women 36 | 116 | Men | doubles |
| | 114 | Women | |
| eight with coxswain (8+) Men 243 | 36 | Women | duet |
| | 243 | Men | eight with coxswain (8+) |

| Event | Gender | |
|---|--------|-----|
| | Women | 243 |
| fleet/match race keelboat open (Soling) | Men | 63 |
| floor exercises | Men | 29 |
| | Women | 30 |
| flying dutchman | Men | 30 |
| foil individual | Men | 27 |
| | Women | 27 |
| foil team | Men | 105 |
| | Women | 105 |
| football | Men | 461 |
| | Women | 208 |
| four without coxswain (4-) | Men | 108 |
| four-oared shell with coxswain (4-) | Men | 75 |
| | Women | 60 |
| group competition | Women | 72 |
| hammer throw | Men | 27 |
| | Women | 9 |
| handball | Men | 393 |
| | Women | 387 |
| heptathlon | Women | 21 |
| high jump | Men | 30 |
| | Women | 28 |
| hockey | Men | 434 |
| | Women | 383 |
| horizontal bar | Men | 31 |
| individual | Men | 66 |
| | Women | 45 |
| individual (FITA Olympic round - 70m) | Men | 15 |
| | Women | 15 |
| individual FITA round | Men | 12 |
| | Women | 12 |
| individual all-round | Men | 27 |
| | Women | 49 |
| individual pursuit | Women | 15 |

| | Gender | Event |
|-----|--------|--|
| 26 | Men | individual road race |
| 21 | Women | |
| 12 | Men | individual time trial |
| 12 | Women | |
| 27 | Men | javelin throw |
| 27 | Women | |
| 48 | Men | lightweight coxless four (4-) |
| 24 | Men | lightweight double sculls (2x) |
| 24 | Women | |
| 27 | Men | long jump |
| 27 | Women | |
| 28 | Men | marathon |
| 20 | Women | |
| 3 | Men | marathon 10km |
| 3 | Women | |
| 12 | Men | open category |
| 54 | Women | pair without coxswain (2-) |
| 45 | Men | pair-oared shell with coxswain (2+) |
| 29 | Men | parallel bars |
| 6 | Women | pentathlon |
| 12 | Women | points race |
| 28 | Men | pole vault |
| 9 | Women | |
| 28 | Men | pommel horse |
| 45 | Women | quadruple sculls with coxswain (4x) |
| 108 | Men | quadruple sculls without coxswain (4x) |
| 72 | Women | |
| 28 | Men | rings |
| 27 | Men | sabre individual |
| 6 | Women | |
| 115 | Men | sabre team |
| 11 | Women | |
| 27 | Men | shot put |
| 27 | Women | |
| | | |

| Event | Gender | |
|------------------------------------|--------|-----|
| single sculls (1x) | Men | 27 |
| | Women | 27 |
| single-handed dinghy (Europe) | Women | 12 |
| single-handed dinghy (Finn) | Men | 24 |
| single-handed dinghy open (Laser) | Men | 9 |
| singles | Men | 55 |
| | Women | 55 |
| skeet (125 targets) | Men | 26 |
| | Women | 1 |
| skeet (75 targets) | Women | 9 |
| softball | Women | 180 |
| solo | Women | 9 |
| sprint | Women | 18 |
| synchronized diving 10m platform | Men | 18 |
| | Women | 18 |
| synchronized diving 3m springboard | Men | 18 |
| | Women | 18 |
| team | Men | 233 |
| | Women | 226 |
| team (FITA Olympic round - 70m) | Men | 45 |
| | Women | 45 |
| team competition | Men | 165 |
| | Women | 164 |
| team time trial | Men | 60 |
| teams FITA round | Men | 9 |
| | Women | 9 |
| tempest | Men | 6 |
| trap (125 targets) | Men | 27 |
| trap (75 targets) | Women | 9 |
| triple jump | Men | 27 |
| | Women | 12 |
| two-person keelboat open (Star) | Men | 36 |
| uneven bars | Women | 29 |
| vault | Men | 29 |

| Event | Gende |
|-------|-------|
| | |

| | Women | 27 |
|-----------------|-------|-----|
| volleyball | Men | 323 |
| | Women | 324 |
| water polo | Men | 338 |
| | Women | 117 |
| épée individual | Men | 27 |
| | Women | 12 |
| épée team | Men | 114 |
| | Women | 30 |

dtype: int64

Ans. So there is a huge difference in number of male winners and female winners implying number of sporting event for male are way more than for female¶ (This bust the myth of someone like me who thought that every sport has both male and female version. But thats not true. Some are reserved for male and some are for female at various year.)

Q6. Which country has win most medal and how many in each year?

```
In [ ]:
q6_data = data[['Year', 'Country', 'Medal']]
q6_data = q6_data.groupby(['Year', 'Country','Medal'])['Country'].count().reset_index(na
q6 data['Medal'] = pd.Categorical(q6 data['Medal'],categories=['Gold', 'Silver', 'Bronze
q6 data = q6 data.sort values(ascending = [True, True, True],by = ['Year', 'Country', 'Me
q6 data = q6 data.pivot( index = ['Year', 'Country'], columns =['Medal'], values = ['Coun
q6 data = q6 data.replace(np.nan, 0)
q6_data['Sum'] = q6_data['Count', 'Bronze'] + q6_data['Count', 'Gold'] + q6 data['Count',
q6_data = q6_data.sort_values(ascending = [True, False],by =['Year','Sum'])
q6 data.columns = q6 data.columns.droplevel(0)
q6_data.columns = ['Year', 'Country', 'Gold', 'Silver', 'Bronze', 'Sum']
print(q6 data.Country.unique())
q6 data
['Soviet Union' 'East Germany' 'United States' 'West Germany' 'Poland'
 'Hungary' 'Romania' 'Japan' 'Bulgaria' 'United Kingdom' 'Italy'
 'New Zealand' 'Australia' 'Cuba' 'Canada' 'France' 'Yugoslavia'
 'Korea, South' 'Pakistan' 'Czechoslovakia' 'Netherlands' 'Sweden'
 'Switzerland' 'Belgium' 'Denmark' 'Finland' 'Norway' 'Spain' 'Brazil'
 'Iran' 'Jamaica' 'Korea, North' 'Mexico' 'Portugal' 'Austria' 'Bermuda*'
 'Mongolia' 'Puerto Rico*' 'Thailand' 'Trinidad and Tobago' 'Venezuela'
 'India' 'Zimbabwe' 'Greece' 'Ethiopia' 'Ireland' 'Tanzania' 'Guyana'
 'Lebanon' 'Uganda' 'China' 'Nigeria' 'Kenya' 'Turkey' 'Algeria' 'Morocco'
 'Cameroon' 'Colombia' "Cote d'Ivoire" 'Dominican Republic' 'Egypt'
 'Iceland' 'Peru' 'Syria' 'Taiwan' 'Zambia' 'Argentina' 'Indonesia'
 'Chile' 'Costa Rica' 'Djibouti' 'Netherlands Antilles*' 'Philippines'
 'Senegal' 'Suriname' 'Virgin Islands*' 'Unified team' 'Germany' 'Croatia'
 'Ghana' 'Lithuania' 'Slovenia' 'Estonia'
 'Independent Olympic Participants (1992)' 'Latvia' 'South Africa'
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'Israel' 'Malaysia' 'Namibia' 'Bahamas' 'Qatar' 'Russia' 'Ukraine' 'Belarus' 'Czech Republic' 'Kazakhstan' 'Moldova' 'Slovakia' 'Armenia' 'Georgia' 'Uzbekistan' 'Azerbaijan' 'Burundi' 'Ecuador' 'Hong Kong*' 'Mozambique' 'Tonga' 'Tunisia' 'Saudi Arabia' 'Barbados' 'Kuwait' 'Kyrgyzstan' 'Macedonia' 'Sri Lanka' 'Uruguay' 'Vietnam' 'Paraguay' 'Serbia' 'Eritrea' 'United Arab Emirates' 'Singapore' 'Tajikistan' 'Afghanistan' 'Mauritius' 'Panama' 'Sudan' 'Togo']

Out[]:

| | Year | Country | Gold | Silver | Bronze | Sum |
|----|------|----------------|-------|--------|--------|-------|
| 30 | 1976 | Soviet Union | 113.0 | 93.0 | 79.0 | 285.0 |
| 10 | 1976 | East Germany | 99.0 | 51.0 | 42.0 | 192.0 |
| 37 | 1976 | United States | 63.0 | 56.0 | 36.0 | 155.0 |
| 39 | 1976 | West Germany | 21.0 | 24.0 | 30.0 | 75.0 |
| 26 | 1976 | Poland | 18.0 | 29.0 | 26.0 | 73.0 |
| 13 | 1976 | Hungary | 14.0 | 6.0 | 35.0 | 55.0 |
| 29 | 1976 | Romania | 4.0 | 28.0 | 23.0 | 55.0 |
| 17 | 1976 | Japan | 25.0 | 6.0 | 10.0 | 41.0 |
| 5 | 1976 | Bulgaria | 8.0 | 13.0 | 18.0 | 39.0 |
| 36 | 1976 | United Kingdom | 6.0 | 15.0 | 11.0 | 32.0 |
| 15 | 1976 | Italy | 2.0 | 25.0 | 4.0 | 31.0 |
| 23 | 1976 | New Zealand | 17.0 | 1.0 | 9.0 | 27.0 |
| 0 | 1976 | Australia | 0.0 | 16.0 | 8.0 | 24.0 |
| 7 | 1976 | Cuba | 6.0 | 4.0 | 14.0 | 24.0 |
| 6 | 1976 | Canada | 0.0 | 8.0 | 12.0 | 20.0 |
| 12 | 1976 | France | 5.0 | 7.0 | 8.0 | 20.0 |
| 40 | 1976 | Yugoslavia | 2.0 | 14.0 | 3.0 | 19.0 |
| 19 | 1976 | Korea, South | 1.0 | 1.0 | 15.0 | 17.0 |
| 25 | 1976 | Pakistan | 0.0 | 0.0 | 16.0 | 16.0 |
| 8 | 1976 | Czechoslovakia | 2.0 | 4.0 | 9.0 | 15.0 |
| 22 | 1976 | Netherlands | 0.0 | 2.0 | 13.0 | 15.0 |
| 32 | 1976 | Sweden | 9.0 | 1.0 | 0.0 | 10.0 |
| 33 | 1976 | Switzerland | 1.0 | 3.0 | 6.0 | 10.0 |
| 2 | 1976 | Belgium | 0.0 | 3.0 | 6.0 | 9.0 |
| 9 | 1976 | Denmark | 3.0 | 0.0 | 5.0 | 8.0 |
| 11 | 1976 | Finland | 4.0 | 2.0 | 0.0 | 6.0 |
| 24 | 1976 | Norway | 2.0 | 4.0 | 0.0 | 6.0 |
| 31 | 1976 | Spain | 0.0 | 6.0 | 0.0 | 6.0 |
| 4 | 1976 | Brazil | 0.0 | 0.0 | 3.0 | 3.0 |
| 14 | 1976 | Iran | 0.0 | 1.0 | 1.0 | 2.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|----|------|---------------------|-------|--------|--------|-------|
| 16 | 1976 | Jamaica | 1.0 | 1.0 | 0.0 | 2.0 |
| 18 | 1976 | Korea, North | 1.0 | 1.0 | 0.0 | 2.0 |
| 20 | 1976 | Mexico | 1.0 | 0.0 | 1.0 | 2.0 |
| 27 | 1976 | Portugal | 0.0 | 2.0 | 0.0 | 2.0 |
| 1 | 1976 | Austria | 0.0 | 0.0 | 1.0 | 1.0 |
| 3 | 1976 | Bermuda* | 0.0 | 0.0 | 1.0 | 1.0 |
| 21 | 1976 | Mongolia | 0.0 | 1.0 | 0.0 | 1.0 |
| 28 | 1976 | Puerto Rico* | 0.0 | 0.0 | 1.0 | 1.0 |
| 34 | 1976 | Thailand | 0.0 | 0.0 | 1.0 | 1.0 |
| 35 | 1976 | Trinidad and Tobago | 1.0 | 0.0 | 0.0 | 1.0 |
| 38 | 1976 | Venezuela | 0.0 | 1.0 | 0.0 | 1.0 |
| 67 | 1980 | Soviet Union | 192.0 | 127.0 | 123.0 | 442.0 |
| 49 | 1980 | East Germany | 112.0 | 87.0 | 61.0 | 260.0 |
| 45 | 1980 | Bulgaria | 8.0 | 46.0 | 40.0 | 94.0 |
| 66 | 1980 | Romania | 7.0 | 15.0 | 50.0 | 72.0 |
| 55 | 1980 | Hungary | 8.0 | 13.0 | 40.0 | 61.0 |
| 75 | 1980 | Yugoslavia | 13.0 | 27.0 | 17.0 | 57.0 |
| 47 | 1980 | Czechoslovakia | 18.0 | 18.0 | 16.0 | 52.0 |
| 65 | 1980 | Poland | 3.0 | 25.0 | 22.0 | 50.0 |
| 73 | 1980 | United Kingdom | 5.0 | 18.0 | 22.0 | 45.0 |
| 58 | 1980 | Italy | 8.0 | 21.0 | 8.0 | 37.0 |
| 52 | 1980 | France | 18.0 | 5.0 | 6.0 | 29.0 |
| 68 | 1980 | Spain | 2.0 | 19.0 | 3.0 | 24.0 |
| 46 | 1980 | Cuba | 8.0 | 7.0 | 5.0 | 20.0 |
| 69 | 1980 | Sweden | 3.0 | 6.0 | 9.0 | 18.0 |
| 56 | 1980 | India | 16.0 | 0.0 | 0.0 | 16.0 |
| 76 | 1980 | Zimbabwe | 16.0 | 0.0 | 0.0 | 16.0 |
| 41 | 1980 | Australia | 5.0 | 2.0 | 5.0 | 12.0 |
| 62 | 1980 | Mexico | 0.0 | 1.0 | 11.0 | 12.0 |
| 44 | 1980 | Brazil | 4.0 | 0.0 | 5.0 | 9.0 |
| 51 | 1980 | Finland | 3.0 | 1.0 | 5.0 | 9.0 |
| 48 | 1980 | Denmark | 4.0 | 2.0 | 2.0 | 8.0 |
| 64 | 1980 | Netherlands | 0.0 | 1.0 | 5.0 | 6.0 |
| 42 | 1980 | Austria | 1.0 | 3.0 | 1.0 | 5.0 |
| 53 | 1980 | Greece | 1.0 | 0.0 | 4.0 | 5.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|-------|--------|--------|-------|
| 60 | 1980 | Korea, North | 0.0 | 3.0 | 2.0 | 5.0 |
| 50 | 1980 | Ethiopia | 2.0 | 0.0 | 2.0 | 4.0 |
| 63 | 1980 | Mongolia | 0.0 | 2.0 | 2.0 | 4.0 |
| 57 | 1980 | Ireland | 0.0 | 2.0 | 1.0 | 3.0 |
| 59 | 1980 | Jamaica | 0.0 | 0.0 | 3.0 | 3.0 |
| 70 | 1980 | Switzerland | 2.0 | 0.0 | 0.0 | 2.0 |
| 71 | 1980 | Tanzania | 0.0 | 2.0 | 0.0 | 2.0 |
| 43 | 1980 | Belgium | 1.0 | 0.0 | 0.0 | 1.0 |
| 54 | 1980 | Guyana | 0.0 | 0.0 | 1.0 | 1.0 |
| 61 | 1980 | Lebanon | 0.0 | 0.0 | 1.0 | 1.0 |
| 72 | 1980 | Uganda | 0.0 | 1.0 | 0.0 | 1.0 |
| 74 | 1980 | Venezuela | 0.0 | 1.0 | 0.0 | 1.0 |
| 119 | 1984 | United States | 168.0 | 115.0 | 50.0 | 333.0 |
| 121 | 1984 | West Germany | 31.0 | 74.0 | 52.0 | 157.0 |
| 110 | 1984 | Romania | 40.0 | 31.0 | 35.0 | 106.0 |
| 122 | 1984 | Yugoslavia | 47.0 | 5.0 | 35.0 | 87.0 |
| 83 | 1984 | Canada | 19.0 | 35.0 | 32.0 | 86.0 |
| 84 | 1984 | China | 26.0 | 13.0 | 37.0 | 76.0 |
| 118 | 1984 | United Kingdom | 9.0 | 20.0 | 43.0 | 72.0 |
| 91 | 1984 | France | 21.0 | 16.0 | 31.0 | 68.0 |
| 95 | 1984 | Italy | 29.0 | 6.0 | 28.0 | 63.0 |
| 78 | 1984 | Australia | 7.0 | 14.0 | 29.0 | 50.0 |
| 97 | 1984 | Japan | 10.0 | 8.0 | 31.0 | 49.0 |
| 99 | 1984 | Korea, South | 6.0 | 29.0 | 7.0 | 42.0 |
| 102 | 1984 | Netherlands | 20.0 | 6.0 | 14.0 | 40.0 |
| 81 | 1984 | Brazil | 1.0 | 34.0 | 2.0 | 37.0 |
| 112 | 1984 | Sweden | 3.0 | 18.0 | 11.0 | 32.0 |
| 103 | 1984 | New Zealand | 16.0 | 1.0 | 6.0 | 23.0 |
| 111 | 1984 | Spain | 2.0 | 14.0 | 3.0 | 19.0 |
| 106 | 1984 | Pakistan | 16.0 | 0.0 | 0.0 | 16.0 |
| 87 | 1984 | Denmark | 0.0 | 5.0 | 10.0 | 15.0 |
| 113 | 1984 | Switzerland | 0.0 | 9.0 | 6.0 | 15.0 |
| 90 | 1984 | Finland | 4.0 | 2.0 | 6.0 | 12.0 |
| 96 | 1984 | Jamaica | 0.0 | 4.0 | 2.0 | 6.0 |
| 100 | 1984 | Mexico | 2.0 | 3.0 | 1.0 | 6.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|--------------------|-------|--------|--------|-------|
| 80 | 1984 | Belgium | 1.0 | 2.0 | 2.0 | 5.0 |
| 104 | 1984 | Nigeria | 0.0 | 1.0 | 4.0 | 5.0 |
| 105 | 1984 | Norway | 0.0 | 1.0 | 3.0 | 4.0 |
| 79 | 1984 | Austria | 1.0 | 1.0 | 1.0 | 3.0 |
| 98 | 1984 | Kenya | 1.0 | 0.0 | 2.0 | 3.0 |
| 108 | 1984 | Portugal | 1.0 | 0.0 | 2.0 | 3.0 |
| 117 | 1984 | Turkey | 0.0 | 0.0 | 3.0 | 3.0 |
| 120 | 1984 | Venezuela | 0.0 | 0.0 | 3.0 | 3.0 |
| 77 | 1984 | Algeria | 0.0 | 0.0 | 2.0 | 2.0 |
| 92 | 1984 | Greece | 0.0 | 1.0 | 1.0 | 2.0 |
| 101 | 1984 | Morocco | 2.0 | 0.0 | 0.0 | 2.0 |
| 109 | 1984 | Puerto Rico* | 0.0 | 1.0 | 1.0 | 2.0 |
| 82 | 1984 | Cameroon | 0.0 | 0.0 | 1.0 | 1.0 |
| 85 | 1984 | Colombia | 0.0 | 1.0 | 0.0 | 1.0 |
| 86 | 1984 | Cote d'Ivoire | 0.0 | 1.0 | 0.0 | 1.0 |
| 88 | 1984 | Dominican Republic | 0.0 | 0.0 | 1.0 | 1.0 |
| 89 | 1984 | Egypt | 0.0 | 1.0 | 0.0 | 1.0 |
| 93 | 1984 | Iceland | 0.0 | 0.0 | 1.0 | 1.0 |
| 94 | 1984 | Ireland | 0.0 | 1.0 | 0.0 | 1.0 |
| 107 | 1984 | Peru | 0.0 | 1.0 | 0.0 | 1.0 |
| 114 | 1984 | Syria | 0.0 | 1.0 | 0.0 | 1.0 |
| 115 | 1984 | Taiwan | 0.0 | 0.0 | 1.0 | 1.0 |
| 116 | 1984 | Thailand | 0.0 | 1.0 | 0.0 | 1.0 |
| 123 | 1984 | Zambia | 0.0 | 0.0 | 1.0 | 1.0 |
| 164 | 1988 | Soviet Union | 134.0 | 65.0 | 95.0 | 294.0 |
| 172 | 1988 | United States | 77.0 | 64.0 | 52.0 | 193.0 |
| 138 | 1988 | East Germany | 75.0 | 52.0 | 47.0 | 174.0 |
| 174 | 1988 | West Germany | 32.0 | 37.0 | 44.0 | 113.0 |
| 149 | 1988 | Korea, South | 28.0 | 37.0 | 12.0 | 77.0 |
| 175 | 1988 | Yugoslavia | 15.0 | 27.0 | 21.0 | 63.0 |
| 132 | 1988 | China | 6.0 | 16.0 | 31.0 | 53.0 |
| 171 | 1988 | United Kingdom | 22.0 | 16.0 | 15.0 | 53.0 |
| 162 | 1988 | Romania | 8.0 | 30.0 | 13.0 | 51.0 |
| 142 | 1988 | Hungary | 20.0 | 9.0 | 15.0 | 44.0 |
| 153 | 1988 | Netherlands | 3.0 | 5.0 | 36.0 | 44.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|-----------------------|------|--------|--------|------|
| 129 | 1988 | Bulgaria | 10.0 | 14.0 | 17.0 | 41.0 |
| 125 | 1988 | Australia | 18.0 | 6.0 | 10.0 | 34.0 |
| 140 | 1988 | France | 12.0 | 4.0 | 13.0 | 29.0 |
| 145 | 1988 | Italy | 11.0 | 10.0 | 8.0 | 29.0 |
| 128 | 1988 | Brazil | 1.0 | 22.0 | 5.0 | 28.0 |
| 155 | 1988 | New Zealand | 4.0 | 4.0 | 16.0 | 24.0 |
| 156 | 1988 | Norway | 2.0 | 21.0 | 0.0 | 23.0 |
| 130 | 1988 | Canada | 4.0 | 5.0 | 12.0 | 21.0 |
| 160 | 1988 | Poland | 2.0 | 9.0 | 10.0 | 21.0 |
| 147 | 1988 | Japan | 4.0 | 3.0 | 13.0 | 20.0 |
| 167 | 1988 | Sweden | 0.0 | 5.0 | 11.0 | 16.0 |
| 124 | 1988 | Argentina | 0.0 | 1.0 | 12.0 | 13.0 |
| 158 | 1988 | Peru | 0.0 | 12.0 | 0.0 | 12.0 |
| 135 | 1988 | Czechoslovakia | 3.0 | 4.0 | 3.0 | 10.0 |
| 148 | 1988 | Kenya | 5.0 | 2.0 | 2.0 | 9.0 |
| 168 | 1988 | Switzerland | 0.0 | 6.0 | 2.0 | 8.0 |
| 136 | 1988 | Denmark | 3.0 | 1.0 | 3.0 | 7.0 |
| 146 | 1988 | Jamaica | 0.0 | 5.0 | 0.0 | 5.0 |
| 165 | 1988 | Spain | 1.0 | 2.0 | 2.0 | 5.0 |
| 139 | 1988 | Finland | 1.0 | 1.0 | 2.0 | 4.0 |
| 143 | 1988 | Indonesia | 0.0 | 3.0 | 0.0 | 3.0 |
| 152 | 1988 | Morocco | 1.0 | 0.0 | 2.0 | 3.0 |
| 127 | 1988 | Belgium | 0.0 | 0.0 | 2.0 | 2.0 |
| 150 | 1988 | Mexico | 0.0 | 0.0 | 2.0 | 2.0 |
| 170 | 1988 | Turkey | 1.0 | 1.0 | 0.0 | 2.0 |
| 126 | 1988 | Austria | 1.0 | 0.0 | 0.0 | 1.0 |
| 131 | 1988 | Chile | 0.0 | 1.0 | 0.0 | 1.0 |
| 133 | 1988 | Colombia | 0.0 | 0.0 | 1.0 | 1.0 |
| 134 | 1988 | Costa Rica | 0.0 | 1.0 | 0.0 | 1.0 |
| 137 | 1988 | Djibouti | 0.0 | 0.0 | 1.0 | 1.0 |
| 141 | 1988 | Greece | 0.0 | 0.0 | 1.0 | 1.0 |
| 144 | 1988 | Iran | 0.0 | 1.0 | 0.0 | 1.0 |
| 151 | 1988 | Mongolia | 0.0 | 0.0 | 1.0 | 1.0 |
| 154 | 1988 | Netherlands Antilles* | 0.0 | 1.0 | 0.0 | 1.0 |
| 157 | 1988 | Pakistan | 0.0 | 0.0 | 1.0 | 1.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|-----------------|------|--------|--------|-------|
| 159 | 1988 | Philippines | 0.0 | 0.0 | 1.0 | 1.0 |
| 161 | 1988 | Portugal | 1.0 | 0.0 | 0.0 | 1.0 |
| 163 | 1988 | Senegal | 0.0 | 1.0 | 0.0 | 1.0 |
| 166 | 1988 | Suriname | 1.0 | 0.0 | 0.0 | 1.0 |
| 169 | 1988 | Thailand | 0.0 | 0.0 | 1.0 | 1.0 |
| 173 | 1988 | Virgin Islands* | 0.0 | 1.0 | 0.0 | 1.0 |
| 239 | 1992 | United States | 89.0 | 50.0 | 85.0 | 224.0 |
| 237 | 1992 | Unified team | 92.0 | 65.0 | 66.0 | 223.0 |
| 195 | 1992 | Germany | 81.0 | 57.0 | 60.0 | 198.0 |
| 185 | 1992 | China | 18.0 | 46.0 | 19.0 | 83.0 |
| 188 | 1992 | Cuba | 44.0 | 13.0 | 14.0 | 71.0 |
| 230 | 1992 | Spain | 44.0 | 20.0 | 2.0 | 66.0 |
| 178 | 1992 | Australia | 14.0 | 27.0 | 16.0 | 57.0 |
| 194 | 1992 | France | 9.0 | 5.0 | 43.0 | 57.0 |
| 227 | 1992 | Romania | 8.0 | 31.0 | 14.0 | 53.0 |
| 238 | 1992 | United Kingdom | 8.0 | 3.0 | 39.0 | 50.0 |
| 209 | 1992 | Korea, South | 28.0 | 5.0 | 16.0 | 49.0 |
| 206 | 1992 | Japan | 3.0 | 8.0 | 36.0 | 47.0 |
| 204 | 1992 | Italy | 22.0 | 10.0 | 14.0 | 46.0 |
| 198 | 1992 | Hungary | 14.0 | 23.0 | 8.0 | 45.0 |
| 184 | 1992 | Canada | 27.0 | 5.0 | 12.0 | 44.0 |
| 224 | 1992 | Poland | 5.0 | 18.0 | 19.0 | 42.0 |
| 232 | 1992 | Sweden | 1.0 | 27.0 | 7.0 | 35.0 |
| 217 | 1992 | Netherlands | 5.0 | 20.0 | 8.0 | 33.0 |
| 220 | 1992 | Norway | 2.0 | 20.0 | 1.0 | 23.0 |
| 234 | 1992 | Taiwan | 0.0 | 20.0 | 0.0 | 20.0 |
| 183 | 1992 | Bulgaria | 3.0 | 7.0 | 7.0 | 17.0 |
| 221 | 1992 | Pakistan | 0.0 | 0.0 | 16.0 | 16.0 |
| 187 | 1992 | Croatia | 0.0 | 12.0 | 3.0 | 15.0 |
| 218 | 1992 | New Zealand | 1.0 | 9.0 | 5.0 | 15.0 |
| 182 | 1992 | Brazil | 13.0 | 1.0 | 0.0 | 14.0 |
| 190 | 1992 | Denmark | 3.0 | 2.0 | 9.0 | 14.0 |
| 196 | 1992 | Ghana | 0.0 | 0.0 | 13.0 | 13.0 |
| 211 | 1992 | Lithuania | 1.0 | 0.0 | 12.0 | 13.0 |
| 219 | 1992 | Nigeria | 0.0 | 7.0 | 4.0 | 11.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|---|------|--------|--------|------|
| 208 | 1992 | Korea, North | 4.0 | 0.0 | 6.0 | 10.0 |
| 189 | 1992 | Czechoslovakia | 4.0 | 3.0 | 1.0 | 8.0 |
| 207 | 1992 | Kenya | 2.0 | 4.0 | 2.0 | 8.0 |
| 193 | 1992 | Finland | 1.0 | 4.0 | 2.0 | 7.0 |
| 179 | 1992 | Austria | 0.0 | 6.0 | 0.0 | 6.0 |
| 200 | 1992 | Indonesia | 2.0 | 3.0 | 1.0 | 6.0 |
| 228 | 1992 | Slovenia | 0.0 | 0.0 | 6.0 | 6.0 |
| 236 | 1992 | Turkey | 2.0 | 2.0 | 2.0 | 6.0 |
| 205 | 1992 | Jamaica | 0.0 | 3.0 | 1.0 | 4.0 |
| 181 | 1992 | Belgium | 0.0 | 1.0 | 2.0 | 3.0 |
| 191 | 1992 | Estonia | 1.0 | 0.0 | 2.0 | 3.0 |
| 192 | 1992 | Ethiopia | 1.0 | 0.0 | 2.0 | 3.0 |
| 199 | 1992 | Independent Olympic Participants (1992) | 0.0 | 1.0 | 2.0 | 3.0 |
| 201 | 1992 | Iran | 0.0 | 1.0 | 2.0 | 3.0 |
| 210 | 1992 | Latvia | 0.0 | 2.0 | 1.0 | 3.0 |
| 215 | 1992 | Morocco | 1.0 | 1.0 | 1.0 | 3.0 |
| 229 | 1992 | South Africa | 0.0 | 3.0 | 0.0 | 3.0 |
| 176 | 1992 | Algeria | 1.0 | 0.0 | 1.0 | 2.0 |
| 177 | 1992 | Argentina | 0.0 | 0.0 | 2.0 | 2.0 |
| 197 | 1992 | Greece | 2.0 | 0.0 | 0.0 | 2.0 |
| 202 | 1992 | Ireland | 1.0 | 1.0 | 0.0 | 2.0 |
| 203 | 1992 | Israel | 0.0 | 1.0 | 1.0 | 2.0 |
| 212 | 1992 | Malaysia | 0.0 | 0.0 | 2.0 | 2.0 |
| 214 | 1992 | Mongolia | 0.0 | 0.0 | 2.0 | 2.0 |
| 216 | 1992 | Namibia | 0.0 | 2.0 | 0.0 | 2.0 |
| 180 | 1992 | Bahamas | 0.0 | 0.0 | 1.0 | 1.0 |
| 186 | 1992 | Colombia | 0.0 | 0.0 | 1.0 | 1.0 |
| 213 | 1992 | Mexico | 0.0 | 1.0 | 0.0 | 1.0 |
| 222 | 1992 | Peru | 0.0 | 1.0 | 0.0 | 1.0 |
| 223 | 1992 | Philippines | 0.0 | 0.0 | 1.0 | 1.0 |
| 225 | 1992 | Puerto Rico* | 0.0 | 0.0 | 1.0 | 1.0 |
| 226 | 1992 | Qatar | 0.0 | 0.0 | 1.0 | 1.0 |
| 231 | 1992 | Suriname | 0.0 | 0.0 | 1.0 | 1.0 |
| 233 | 1992 | Switzerland | 1.0 | 0.0 | 0.0 | 1.0 |
| 235 | 1992 | Thailand | 0.0 | 0.0 | 1.0 | 1.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|-------|--------|--------|-------|
| 315 | 1996 | United States | 160.0 | 48.0 | 52.0 | 260.0 |
| 243 | 1996 | Australia | 32.0 | 16.0 | 84.0 | 132.0 |
| 264 | 1996 | Germany | 42.0 | 35.0 | 47.0 | 124.0 |
| 298 | 1996 | Russia | 36.0 | 45.0 | 34.0 | 115.0 |
| 253 | 1996 | China | 19.0 | 74.0 | 17.0 | 110.0 |
| 289 | 1996 | Netherlands | 38.0 | 9.0 | 26.0 | 73.0 |
| 273 | 1996 | Italy | 19.0 | 24.0 | 28.0 | 71.0 |
| 302 | 1996 | Spain | 24.0 | 21.0 | 22.0 | 67.0 |
| 279 | 1996 | Korea, South | 10.0 | 49.0 | 7.0 | 66.0 |
| 249 | 1996 | Brazil | 5.0 | 15.0 | 44.0 | 64.0 |
| 256 | 1996 | Cuba | 39.0 | 8.0 | 10.0 | 57.0 |
| 252 | 1996 | Canada | 8.0 | 31.0 | 12.0 | 51.0 |
| 262 | 1996 | France | 21.0 | 10.0 | 20.0 | 51.0 |
| 267 | 1996 | Hungary | 8.0 | 9.0 | 26.0 | 43.0 |
| 275 | 1996 | Japan | 3.0 | 26.0 | 14.0 | 43.0 |
| 297 | 1996 | Romania | 13.0 | 10.0 | 15.0 | 38.0 |
| 313 | 1996 | Ukraine | 10.0 | 5.0 | 19.0 | 34.0 |
| 303 | 1996 | Sweden | 3.0 | 23.0 | 5.0 | 31.0 |
| 255 | 1996 | Croatia | 16.0 | 13.0 | 0.0 | 29.0 |
| 291 | 1996 | Nigeria | 19.0 | 4.0 | 3.0 | 26.0 |
| 314 | 1996 | United Kingdom | 2.0 | 15.0 | 9.0 | 26.0 |
| 317 | 1996 | Yugoslavia | 1.0 | 12.0 | 13.0 | 26.0 |
| 292 | 1996 | Norway | 2.0 | 3.0 | 20.0 | 25.0 |
| 258 | 1996 | Denmark | 22.0 | 1.0 | 1.0 | 24.0 |
| 247 | 1996 | Belarus | 1.0 | 6.0 | 16.0 | 23.0 |
| 250 | 1996 | Bulgaria | 3.0 | 12.0 | 6.0 | 21.0 |
| 294 | 1996 | Poland | 7.0 | 7.0 | 7.0 | 21.0 |
| 241 | 1996 | Argentina | 0.0 | 19.0 | 1.0 | 20.0 |
| 274 | 1996 | Jamaica | 1.0 | 3.0 | 12.0 | 16.0 |
| 257 | 1996 | Czech Republic | 4.0 | 5.0 | 4.0 | 13.0 |
| 281 | 1996 | Lithuania | 0.0 | 0.0 | 12.0 | 12.0 |
| 276 | 1996 | Kazakhstan | 3.0 | 4.0 | 4.0 | 11.0 |
| 304 | 1996 | Switzerland | 5.0 | 6.0 | 0.0 | 11.0 |
| 290 | 1996 | New Zealand | 3.0 | 2.0 | 4.0 | 9.0 |
| 265 | 1996 | Greece | 4.0 | 4.0 | 0.0 | 8.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|---------------------|------|--------|--------|-----|
| 277 | 1996 | Kenya | 1.0 | 4.0 | 3.0 | 8.0 |
| 248 | 1996 | Belgium | 2.0 | 2.0 | 2.0 | 6.0 |
| 269 | 1996 | Indonesia | 2.0 | 1.0 | 3.0 | 6.0 |
| 311 | 1996 | Turkey | 4.0 | 1.0 | 1.0 | 6.0 |
| 246 | 1996 | Bahamas | 0.0 | 5.0 | 0.0 | 5.0 |
| 278 | 1996 | Korea, North | 2.0 | 1.0 | 2.0 | 5.0 |
| 301 | 1996 | South Africa | 3.0 | 1.0 | 1.0 | 5.0 |
| 261 | 1996 | Finland | 1.0 | 2.0 | 1.0 | 4.0 |
| 271 | 1996 | Ireland | 3.0 | 0.0 | 1.0 | 4.0 |
| 240 | 1996 | Algeria | 2.0 | 0.0 | 1.0 | 3.0 |
| 244 | 1996 | Austria | 0.0 | 1.0 | 2.0 | 3.0 |
| 260 | 1996 | Ethiopia | 2.0 | 0.0 | 1.0 | 3.0 |
| 270 | 1996 | Iran | 1.0 | 1.0 | 1.0 | 3.0 |
| 282 | 1996 | Malaysia | 0.0 | 2.0 | 1.0 | 3.0 |
| 284 | 1996 | Moldova | 0.0 | 2.0 | 1.0 | 3.0 |
| 295 | 1996 | Portugal | 1.0 | 0.0 | 2.0 | 3.0 |
| 299 | 1996 | Slovakia | 1.0 | 1.0 | 1.0 | 3.0 |
| 242 | 1996 | Armenia | 1.0 | 1.0 | 0.0 | 2.0 |
| 263 | 1996 | Georgia | 0.0 | 0.0 | 2.0 | 2.0 |
| 286 | 1996 | Morocco | 0.0 | 0.0 | 2.0 | 2.0 |
| 288 | 1996 | Namibia | 0.0 | 2.0 | 0.0 | 2.0 |
| 300 | 1996 | Slovenia | 0.0 | 2.0 | 0.0 | 2.0 |
| 307 | 1996 | Thailand | 1.0 | 0.0 | 1.0 | 2.0 |
| 309 | 1996 | Trinidad and Tobago | 0.0 | 0.0 | 2.0 | 2.0 |
| 316 | 1996 | Uzbekistan | 0.0 | 1.0 | 1.0 | 2.0 |
| 245 | 1996 | Azerbaijan | 0.0 | 1.0 | 0.0 | 1.0 |
| 251 | 1996 | Burundi | 1.0 | 0.0 | 0.0 | 1.0 |
| 254 | 1996 | Costa Rica | 1.0 | 0.0 | 0.0 | 1.0 |
| 259 | 1996 | Ecuador | 1.0 | 0.0 | 0.0 | 1.0 |
| 266 | 1996 | Hong Kong* | 1.0 | 0.0 | 0.0 | 1.0 |
| 268 | 1996 | India | 0.0 | 0.0 | 1.0 | 1.0 |
| 272 | 1996 | Israel | 0.0 | 0.0 | 1.0 | 1.0 |
| 280 | 1996 | Latvia | 0.0 | 1.0 | 0.0 | 1.0 |
| 283 | 1996 | Mexico | 0.0 | 0.0 | 1.0 | 1.0 |
| 285 | 1996 | Mongolia | 0.0 | 0.0 | 1.0 | 1.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|-------|--------|--------|-------|
| 287 | 1996 | Mozambique | 0.0 | 0.0 | 1.0 | 1.0 |
| 293 | 1996 | Philippines | 0.0 | 1.0 | 0.0 | 1.0 |
| 296 | 1996 | Puerto Rico* | 0.0 | 0.0 | 1.0 | 1.0 |
| 305 | 1996 | Syria | 1.0 | 0.0 | 0.0 | 1.0 |
| 306 | 1996 | Taiwan | 0.0 | 1.0 | 0.0 | 1.0 |
| 308 | 1996 | Tonga | 0.0 | 1.0 | 0.0 | 1.0 |
| 310 | 1996 | Tunisia | 0.0 | 0.0 | 1.0 | 1.0 |
| 312 | 1996 | Uganda | 0.0 | 0.0 | 1.0 | 1.0 |
| 318 | 1996 | Zambia | 0.0 | 1.0 | 0.0 | 1.0 |
| 394 | 2000 | United States | 130.0 | 66.0 | 52.0 | 248.0 |
| 379 | 2000 | Russia | 66.0 | 68.0 | 54.0 | 188.0 |
| 322 | 2000 | Australia | 60.0 | 69.0 | 54.0 | 183.0 |
| 346 | 2000 | Germany | 31.0 | 23.0 | 65.0 | 119.0 |
| 334 | 2000 | China | 39.0 | 23.0 | 17.0 | 79.0 |
| 371 | 2000 | Netherlands | 27.0 | 29.0 | 23.0 | 79.0 |
| 361 | 2000 | Korea, South | 12.0 | 26.0 | 35.0 | 73.0 |
| 338 | 2000 | Cuba | 22.0 | 35.0 | 12.0 | 69.0 |
| 344 | 2000 | France | 22.0 | 30.0 | 14.0 | 66.0 |
| 355 | 2000 | Italy | 22.0 | 14.0 | 29.0 | 65.0 |
| 393 | 2000 | United Kingdom | 22.0 | 20.0 | 13.0 | 55.0 |
| 348 | 2000 | Hungary | 25.0 | 24.0 | 4.0 | 53.0 |
| 329 | 2000 | Brazil | 0.0 | 12.0 | 36.0 | 48.0 |
| 378 | 2000 | Romania | 27.0 | 6.0 | 13.0 | 46.0 |
| 374 | 2000 | Norway | 21.0 | 4.0 | 19.0 | 44.0 |
| 357 | 2000 | Japan | 5.0 | 30.0 | 8.0 | 43.0 |
| 384 | 2000 | Spain | 3.0 | 20.0 | 20.0 | 43.0 |
| 392 | 2000 | Ukraine | 3.0 | 20.0 | 12.0 | 35.0 |
| 386 | 2000 | Sweden | 4.0 | 20.0 | 8.0 | 32.0 |
| 332 | 2000 | Canada | 4.0 | 4.0 | 23.0 | 31.0 |
| 398 | 2000 | Yugoslavia | 12.0 | 1.0 | 13.0 | 26.0 |
| 340 | 2000 | Denmark | 18.0 | 3.0 | 4.0 | 25.0 |
| 375 | 2000 | Poland | 7.0 | 10.0 | 7.0 | 24.0 |
| 356 | 2000 | Jamaica | 0.0 | 14.0 | 9.0 | 23.0 |
| 327 | 2000 | Belarus | 3.0 | 8.0 | 11.0 | 22.0 |
| 320 | 2000 | Argentina | 0.0 | 17.0 | 3.0 | 20.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|------|--------|--------|------|
| 331 | 2000 | Cameroon | 18.0 | 0.0 | 0.0 | 18.0 |
| 333 | 2000 | Chile | 0.0 | 0.0 | 18.0 | 18.0 |
| 347 | 2000 | Greece | 4.0 | 6.0 | 8.0 | 18.0 |
| 365 | 2000 | Lithuania | 2.0 | 0.0 | 15.0 | 17.0 |
| 387 | 2000 | Switzerland | 1.0 | 11.0 | 2.0 | 14.0 |
| 330 | 2000 | Bulgaria | 5.0 | 6.0 | 2.0 | 13.0 |
| 337 | 2000 | Croatia | 1.0 | 0.0 | 9.0 | 10.0 |
| 339 | 2000 | Czech Republic | 2.0 | 3.0 | 4.0 | 9.0 |
| 342 | 2000 | Ethiopia | 4.0 | 1.0 | 3.0 | 8.0 |
| 351 | 2000 | Indonesia | 2.0 | 4.0 | 2.0 | 8.0 |
| 373 | 2000 | Nigeria | 0.0 | 8.0 | 0.0 | 8.0 |
| 328 | 2000 | Belgium | 0.0 | 3.0 | 4.0 | 7.0 |
| 358 | 2000 | Kazakhstan | 3.0 | 4.0 | 0.0 | 7.0 |
| 359 | 2000 | Kenya | 2.0 | 3.0 | 2.0 | 7.0 |
| 325 | 2000 | Bahamas | 6.0 | 0.0 | 0.0 | 6.0 |
| 345 | 2000 | Georgia | 0.0 | 0.0 | 6.0 | 6.0 |
| 367 | 2000 | Mexico | 1.0 | 2.0 | 3.0 | 6.0 |
| 381 | 2000 | Slovakia | 2.0 | 3.0 | 1.0 | 6.0 |
| 319 | 2000 | Algeria | 1.0 | 1.0 | 3.0 | 5.0 |
| 343 | 2000 | Finland | 3.0 | 1.0 | 1.0 | 5.0 |
| 369 | 2000 | Morocco | 0.0 | 1.0 | 4.0 | 5.0 |
| 383 | 2000 | South Africa | 0.0 | 2.0 | 3.0 | 5.0 |
| 388 | 2000 | Taiwan | 0.0 | 1.0 | 4.0 | 5.0 |
| 391 | 2000 | Turkey | 3.0 | 0.0 | 2.0 | 5.0 |
| 323 | 2000 | Austria | 3.0 | 1.0 | 0.0 | 4.0 |
| 352 | 2000 | Iran | 3.0 | 0.0 | 1.0 | 4.0 |
| 360 | 2000 | Korea, North | 0.0 | 1.0 | 3.0 | 4.0 |
| 372 | 2000 | New Zealand | 1.0 | 0.0 | 3.0 | 4.0 |
| 396 | 2000 | Uzbekistan | 1.0 | 1.0 | 2.0 | 4.0 |
| 324 | 2000 | Azerbaijan | 2.0 | 0.0 | 1.0 | 3.0 |
| 341 | 2000 | Estonia | 1.0 | 0.0 | 2.0 | 3.0 |
| 364 | 2000 | Latvia | 1.0 | 1.0 | 1.0 | 3.0 |
| 382 | 2000 | Slovenia | 3.0 | 0.0 | 0.0 | 3.0 |
| 389 | 2000 | Thailand | 1.0 | 0.0 | 2.0 | 3.0 |
| 336 | 2000 | Costa Rica | 0.0 | 0.0 | 2.0 | 2.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|---------------------|-------|--------|--------|-------|
| 368 | 2000 | Moldova | 0.0 | 1.0 | 1.0 | 2.0 |
| 376 | 2000 | Portugal | 0.0 | 0.0 | 2.0 | 2.0 |
| 380 | 2000 | Saudi Arabia | 0.0 | 1.0 | 1.0 | 2.0 |
| 390 | 2000 | Trinidad and Tobago | 0.0 | 1.0 | 1.0 | 2.0 |
| 321 | 2000 | Armenia | 0.0 | 0.0 | 1.0 | 1.0 |
| 326 | 2000 | Barbados | 0.0 | 0.0 | 1.0 | 1.0 |
| 335 | 2000 | Colombia | 1.0 | 0.0 | 0.0 | 1.0 |
| 349 | 2000 | Iceland | 0.0 | 0.0 | 1.0 | 1.0 |
| 350 | 2000 | India | 0.0 | 0.0 | 1.0 | 1.0 |
| 353 | 2000 | Ireland | 0.0 | 1.0 | 0.0 | 1.0 |
| 354 | 2000 | Israel | 0.0 | 0.0 | 1.0 | 1.0 |
| 362 | 2000 | Kuwait | 0.0 | 0.0 | 1.0 | 1.0 |
| 363 | 2000 | Kyrgyzstan | 0.0 | 0.0 | 1.0 | 1.0 |
| 366 | 2000 | Macedonia | 0.0 | 0.0 | 1.0 | 1.0 |
| 370 | 2000 | Mozambique | 1.0 | 0.0 | 0.0 | 1.0 |
| 377 | 2000 | Qatar | 0.0 | 0.0 | 1.0 | 1.0 |
| 385 | 2000 | Sri Lanka | 0.0 | 1.0 | 0.0 | 1.0 |
| 395 | 2000 | Uruguay | 0.0 | 1.0 | 0.0 | 1.0 |
| 397 | 2000 | Vietnam | 0.0 | 1.0 | 0.0 | 1.0 |
| 469 | 2004 | United States | 116.0 | 75.0 | 73.0 | 264.0 |
| 453 | 2004 | Russia | 47.0 | 49.0 | 96.0 | 192.0 |
| 400 | 2004 | Australia | 49.0 | 78.0 | 30.0 | 157.0 |
| 425 | 2004 | Germany | 41.0 | 45.0 | 63.0 | 149.0 |
| 433 | 2004 | Italy | 24.0 | 39.0 | 39.0 | 102.0 |
| 411 | 2004 | China | 52.0 | 27.0 | 15.0 | 94.0 |
| 435 | 2004 | Japan | 21.0 | 20.0 | 53.0 | 94.0 |
| 445 | 2004 | Netherlands | 4.0 | 50.0 | 22.0 | 76.0 |
| 414 | 2004 | Cuba | 31.0 | 8.0 | 22.0 | 61.0 |
| 468 | 2004 | United Kingdom | 17.0 | 25.0 | 15.0 | 57.0 |
| 423 | 2004 | France | 21.0 | 10.0 | 22.0 | 53.0 |
| 439 | 2004 | Korea, South | 14.0 | 28.0 | 10.0 | 52.0 |
| 466 | 2004 | Ukraine | 9.0 | 8.0 | 31.0 | 48.0 |
| 399 | 2004 | Argentina | 26.0 | 0.0 | 21.0 | 47.0 |
| 406 | 2004 | Brazil | 18.0 | 19.0 | 3.0 | 40.0 |
| 428 | 2004 | Hungary | 24.0 | 12.0 | 4.0 | 40.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|------|--------|--------|------|
| 452 | 2004 | Romania | 23.0 | 5.0 | 11.0 | 39.0 |
| 426 | 2004 | Greece | 8.0 | 18.0 | 5.0 | 31.0 |
| 416 | 2004 | Denmark | 19.0 | 0.0 | 10.0 | 29.0 |
| 458 | 2004 | Spain | 4.0 | 15.0 | 8.0 | 27.0 |
| 413 | 2004 | Croatia | 14.0 | 3.0 | 3.0 | 20.0 |
| 404 | 2004 | Belarus | 2.0 | 6.0 | 9.0 | 17.0 |
| 407 | 2004 | Bulgaria | 2.0 | 1.0 | 14.0 | 17.0 |
| 409 | 2004 | Canada | 3.0 | 10.0 | 4.0 | 17.0 |
| 449 | 2004 | Paraguay | 0.0 | 17.0 | 0.0 | 17.0 |
| 454 | 2004 | Serbia | 0.0 | 14.0 | 0.0 | 14.0 |
| 434 | 2004 | Jamaica | 6.0 | 1.0 | 6.0 | 13.0 |
| 415 | 2004 | Czech Republic | 1.0 | 6.0 | 5.0 | 12.0 |
| 450 | 2004 | Poland | 4.0 | 2.0 | 6.0 | 12.0 |
| 459 | 2004 | Sweden | 5.0 | 5.0 | 2.0 | 12.0 |
| 455 | 2004 | Slovakia | 3.0 | 2.0 | 5.0 | 10.0 |
| 457 | 2004 | South Africa | 4.0 | 3.0 | 3.0 | 10.0 |
| 465 | 2004 | Turkey | 3.0 | 3.0 | 4.0 | 10.0 |
| 462 | 2004 | Taiwan | 2.0 | 4.0 | 3.0 | 9.0 |
| 401 | 2004 | Austria | 3.0 | 4.0 | 1.0 | 8.0 |
| 436 | 2004 | Kazakhstan | 1.0 | 4.0 | 3.0 | 8.0 |
| 447 | 2004 | Nigeria | 0.0 | 0.0 | 8.0 | 8.0 |
| 463 | 2004 | Thailand | 3.0 | 1.0 | 4.0 | 8.0 |
| 421 | 2004 | Ethiopia | 2.0 | 3.0 | 2.0 | 7.0 |
| 437 | 2004 | Kenya | 1.0 | 4.0 | 2.0 | 7.0 |
| 448 | 2004 | Norway | 5.0 | 0.0 | 2.0 | 7.0 |
| 460 | 2004 | Switzerland | 1.0 | 2.0 | 4.0 | 7.0 |
| 431 | 2004 | Iran | 2.0 | 2.0 | 2.0 | 6.0 |
| 446 | 2004 | New Zealand | 4.0 | 2.0 | 0.0 | 6.0 |
| 402 | 2004 | Azerbaijan | 1.0 | 0.0 | 4.0 | 5.0 |
| 418 | 2004 | Egypt | 1.0 | 1.0 | 3.0 | 5.0 |
| 430 | 2004 | Indonesia | 1.0 | 1.0 | 3.0 | 5.0 |
| 438 | 2004 | Korea, North | 0.0 | 4.0 | 1.0 | 5.0 |
| 456 | 2004 | Slovenia | 0.0 | 2.0 | 3.0 | 5.0 |
| 470 | 2004 | Uzbekistan | 2.0 | 1.0 | 2.0 | 5.0 |
| 410 | 2004 | Chile | 3.0 | 0.0 | 1.0 | 4.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------------|-------|--------|--------|-------|
| 424 | 2004 | Georgia | 2.0 | 2.0 | 0.0 | 4.0 |
| 440 | 2004 | Latvia | 0.0 | 4.0 | 0.0 | 4.0 |
| 442 | 2004 | Mexico | 0.0 | 3.0 | 1.0 | 4.0 |
| 405 | 2004 | Belgium | 1.0 | 0.0 | 2.0 | 3.0 |
| 420 | 2004 | Estonia | 0.0 | 1.0 | 2.0 | 3.0 |
| 441 | 2004 | Lithuania | 1.0 | 2.0 | 0.0 | 3.0 |
| 444 | 2004 | Morocco | 2.0 | 1.0 | 0.0 | 3.0 |
| 451 | 2004 | Portugal | 0.0 | 2.0 | 1.0 | 3.0 |
| 472 | 2004 | Zimbabwe | 1.0 | 1.0 | 1.0 | 3.0 |
| 403 | 2004 | Bahamas | 1.0 | 0.0 | 1.0 | 2.0 |
| 412 | 2004 | Colombia | 0.0 | 0.0 | 2.0 | 2.0 |
| 422 | 2004 | Finland | 0.0 | 2.0 | 0.0 | 2.0 |
| 427 | 2004 | Hong Kong* | 0.0 | 2.0 | 0.0 | 2.0 |
| 432 | 2004 | Israel | 1.0 | 0.0 | 1.0 | 2.0 |
| 471 | 2004 | Venezuela | 0.0 | 0.0 | 2.0 | 2.0 |
| 408 | 2004 | Cameroon | 1.0 | 0.0 | 0.0 | 1.0 |
| 417 | 2004 | Dominican Republic | 1.0 | 0.0 | 0.0 | 1.0 |
| 419 | 2004 | Eritrea | 0.0 | 0.0 | 1.0 | 1.0 |
| 429 | 2004 | India | 0.0 | 1.0 | 0.0 | 1.0 |
| 443 | 2004 | Mongolia | 0.0 | 0.0 | 1.0 | 1.0 |
| 461 | 2004 | Syria | 0.0 | 0.0 | 1.0 | 1.0 |
| 464 | 2004 | Trinidad and Tobago | 0.0 | 0.0 | 1.0 | 1.0 |
| 467 | 2004 | United Arab Emirates | 1.0 | 0.0 | 0.0 | 1.0 |
| 554 | 2008 | United States | 125.0 | 109.0 | 81.0 | 315.0 |
| 488 | 2008 | China | 74.0 | 53.0 | 57.0 | 184.0 |
| 477 | 2008 | Australia | 31.0 | 42.0 | 76.0 | 149.0 |
| 535 | 2008 | Russia | 43.0 | 44.0 | 56.0 | 143.0 |
| 502 | 2008 | Germany | 42.0 | 16.0 | 43.0 | 101.0 |
| 517 | 2008 | Korea, South | 41.0 | 11.0 | 26.0 | 78.0 |
| 553 | 2008 | United Kingdom | 31.0 | 25.0 | 21.0 | 77.0 |
| 500 | 2008 | France | 25.0 | 23.0 | 28.0 | 76.0 |
| 483 | 2008 | Brazil | 14.0 | 34.0 | 27.0 | 75.0 |
| 541 | 2008 | Spain | 7.0 | 48.0 | 16.0 | 71.0 |
| 527 | 2008 | Netherlands | 40.0 | 18.0 | 4.0 | 62.0 |
| 475 | 2008 | Argentina | 20.0 | 0.0 | 31.0 | 51.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|----------------|------|--------|--------|------|
| 513 | 2008 | Japan | 23.0 | 11.0 | 17.0 | 51.0 |
| 491 | 2008 | Cuba | 2.0 | 34.0 | 11.0 | 47.0 |
| 511 | 2008 | Italy | 8.0 | 14.0 | 20.0 | 42.0 |
| 486 | 2008 | Canada | 11.0 | 13.0 | 10.0 | 34.0 |
| 552 | 2008 | Ukraine | 10.0 | 5.0 | 16.0 | 31.0 |
| 481 | 2008 | Belarus | 8.0 | 5.0 | 17.0 | 30.0 |
| 504 | 2008 | Hungary | 16.0 | 8.0 | 3.0 | 27.0 |
| 529 | 2008 | Nigeria | 0.0 | 18.0 | 6.0 | 24.0 |
| 530 | 2008 | Norway | 16.0 | 5.0 | 1.0 | 22.0 |
| 534 | 2008 | Romania | 5.0 | 1.0 | 16.0 | 22.0 |
| 532 | 2008 | Poland | 6.0 | 13.0 | 1.0 | 20.0 |
| 493 | 2008 | Denmark | 6.0 | 6.0 | 6.0 | 18.0 |
| 512 | 2008 | Jamaica | 9.0 | 3.0 | 5.0 | 17.0 |
| 536 | 2008 | Serbia | 0.0 | 1.0 | 14.0 | 15.0 |
| 505 | 2008 | Iceland | 0.0 | 14.0 | 0.0 | 14.0 |
| 515 | 2008 | Kenya | 6.0 | 4.0 | 4.0 | 14.0 |
| 528 | 2008 | New Zealand | 4.0 | 2.0 | 8.0 | 14.0 |
| 514 | 2008 | Kazakhstan | 2.0 | 4.0 | 7.0 | 13.0 |
| 544 | 2008 | Switzerland | 3.0 | 0.0 | 8.0 | 11.0 |
| 538 | 2008 | Slovakia | 4.0 | 5.0 | 1.0 | 10.0 |
| 551 | 2008 | Turkey | 1.0 | 4.0 | 3.0 | 8.0 |
| 479 | 2008 | Azerbaijan | 1.0 | 2.0 | 4.0 | 7.0 |
| 492 | 2008 | Czech Republic | 3.0 | 4.0 | 0.0 | 7.0 |
| 498 | 2008 | Ethiopia | 4.0 | 1.0 | 2.0 | 7.0 |
| 503 | 2008 | Greece | 0.0 | 3.0 | 4.0 | 7.0 |
| 507 | 2008 | Indonesia | 2.0 | 2.0 | 3.0 | 7.0 |
| 543 | 2008 | Sweden | 0.0 | 5.0 | 2.0 | 7.0 |
| 476 | 2008 | Armenia | 0.0 | 0.0 | 6.0 | 6.0 |
| 501 | 2008 | Georgia | 3.0 | 0.0 | 3.0 | 6.0 |
| 516 | 2008 | Korea, North | 2.0 | 1.0 | 3.0 | 6.0 |
| 555 | 2008 | Uzbekistan | 1.0 | 2.0 | 3.0 | 6.0 |
| 480 | 2008 | Bahamas | 0.0 | 4.0 | 1.0 | 5.0 |
| 482 | 2008 | Belgium | 1.0 | 4.0 | 0.0 | 5.0 |
| 484 | 2008 | Bulgaria | 1.0 | 1.0 | 3.0 | 5.0 |
| 490 | 2008 | Croatia | 0.0 | 2.0 | 3.0 | 5.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|---------------------|------|--------|--------|-----|
| 499 | 2008 | Finland | 1.0 | 2.0 | 2.0 | 5.0 |
| 520 | 2008 | Lithuania | 0.0 | 2.0 | 3.0 | 5.0 |
| 539 | 2008 | Slovenia | 1.0 | 2.0 | 2.0 | 5.0 |
| 549 | 2008 | Trinidad and Tobago | 0.0 | 5.0 | 0.0 | 5.0 |
| 523 | 2008 | Mexico | 2.0 | 0.0 | 2.0 | 4.0 |
| 525 | 2008 | Mongolia | 2.0 | 2.0 | 0.0 | 4.0 |
| 545 | 2008 | Taiwan | 0.0 | 0.0 | 4.0 | 4.0 |
| 547 | 2008 | Thailand | 2.0 | 2.0 | 0.0 | 4.0 |
| 558 | 2008 | Zimbabwe | 1.0 | 3.0 | 0.0 | 4.0 |
| 478 | 2008 | Austria | 0.0 | 1.0 | 2.0 | 3.0 |
| 497 | 2008 | Estonia | 1.0 | 2.0 | 0.0 | 3.0 |
| 506 | 2008 | India | 1.0 | 0.0 | 2.0 | 3.0 |
| 509 | 2008 | Ireland | 0.0 | 1.0 | 2.0 | 3.0 |
| 519 | 2008 | Latvia | 1.0 | 1.0 | 1.0 | 3.0 |
| 537 | 2008 | Singapore | 0.0 | 3.0 | 0.0 | 3.0 |
| 474 | 2008 | Algeria | 0.0 | 1.0 | 1.0 | 2.0 |
| 489 | 2008 | Colombia | 0.0 | 1.0 | 1.0 | 2.0 |
| 494 | 2008 | Dominican Republic | 1.0 | 1.0 | 0.0 | 2.0 |
| 508 | 2008 | Iran | 1.0 | 0.0 | 1.0 | 2.0 |
| 518 | 2008 | Kyrgyzstan | 0.0 | 1.0 | 1.0 | 2.0 |
| 526 | 2008 | Morocco | 0.0 | 1.0 | 1.0 | 2.0 |
| 533 | 2008 | Portugal | 1.0 | 1.0 | 0.0 | 2.0 |
| 546 | 2008 | Tajikistan | 0.0 | 1.0 | 1.0 | 2.0 |
| 473 | 2008 | Afghanistan | 0.0 | 0.0 | 1.0 | 1.0 |
| 485 | 2008 | Cameroon | 1.0 | 0.0 | 0.0 | 1.0 |
| 487 | 2008 | Chile | 0.0 | 1.0 | 0.0 | 1.0 |
| 495 | 2008 | Ecuador | 0.0 | 1.0 | 0.0 | 1.0 |
| 496 | 2008 | Egypt | 0.0 | 0.0 | 1.0 | 1.0 |
| 510 | 2008 | Israel | 0.0 | 0.0 | 1.0 | 1.0 |
| 521 | 2008 | Malaysia | 0.0 | 1.0 | 0.0 | 1.0 |
| 522 | 2008 | Mauritius | 0.0 | 0.0 | 1.0 | 1.0 |
| 524 | 2008 | Moldova | 0.0 | 0.0 | 1.0 | 1.0 |
| 531 | 2008 | Panama | 1.0 | 0.0 | 0.0 | 1.0 |
| 540 | 2008 | South Africa | 0.0 | 1.0 | 0.0 | 1.0 |
| 542 | 2008 | Sudan | 0.0 | 1.0 | 0.0 | 1.0 |

| | Year | Country | Gold | Silver | Bronze | Sum |
|-----|------|-----------|------|--------|--------|-----|
| 548 | 2008 | Togo | 0.0 | 0.0 | 1.0 | 1.0 |
| 550 | 2008 | Tunisia | 1.0 | 0.0 | 0.0 | 1.0 |
| 556 | 2008 | Venezuela | 0.0 | 0.0 | 1.0 | 1.0 |
| 557 | 2008 | Vietnam | 0.0 | 1.0 | 0.0 | 1.0 |

Ans. So I created an interactive solution here. Input the country name from above list. And check its performance over year.¶ Note: This may not resemble actual table tally because for eg., a gold in hockey is just one gold in table but here it is 16 gold because sixteen people got it. So it is more like how many people got a medal instead of how many gold medal a country got.

Q7. Can you tell me which country has dominated any particular sport?

```
In [ ]:
q7 data = data.groupby(['Sport','Country'])['Country'].count().reset index(name ='Count'
q7 data.Sport.unique()
Out[]:
'Modern Pentathlon', 'Rowing', 'Sailing', 'Shooting', 'Softball',
      'Table Tennis', 'Taekwondo', 'Tennis', 'Triathlon', 'Volleyball',
      'Weightlifting', 'Wrestling'], dtype=object)
In [ ]:
inp = 'Archery'
try:
  inp = input("Select a Sport from above list")
except:
  print("Input is interrupted")
temp = q7 data[q7 data['Sport'] == inp].head(3)
print(temp)
Select a Sport from above listArcehery
Empty DataFrame
Columns: [Sport, Country, Count]
Index: []
```

Ans. So Here we have an interactive way to see which country has dominated which sport. For e.g., Netherland and Australia dominated Hockey in the given period. Note: This may not resemble actual table tally because for eg., a gold in hockey is just one gold in table but here it is 16 gold because sixteen people got it. So it is more like how many people got a medal instead of how many gold medal a country got

Q8. Has any athlete changed his or her Event or Discipline or sport and still win the medal?

```
In []:
temp = data[['Athlete','Sport']].drop_duplicates()
temp = temp.groupby(['Athlete'])
for k,v in temp:
    if len(v['Sport'].tolist()) >1:
        print(k,v['Sport'].tolist())
```

```
('BELOVA, Irina',) ['Athletics', 'Gymnastics']
('CHEN, Jing',) ['Table Tennis', 'Volleyball']
('DIMITROV, Stefan',) ['Volleyball', 'Weightlifting']
('GAVRILOV, Yuri',) ['Football', 'Handball']
('GONZALEZ, Raul',) ['Athletics', 'Handball']
('KOLESNIKOV, Nikolai',) ['Athletics', 'Weightlifting']
('KOVACS, Istvan',) ['Wrestling', 'Boxing']
('KOVALENKO, Alexandre',) ['Athletics', 'Aquatics']
('KUZNETSOV, Mikhail',) ['Rowing', 'Canoe / Kayak']
('KUZNETSOV, Nikolai',) ['Rowing', 'Cycling']
('LEE, Eun Kyung',) ['Archery', 'Hockey']
('LI, Na',) ['Aquatics', 'Fencing']
('LI, Ting',) ['Aquatics', 'Tennis']
('OVCHINNIKOVA, Elena',) ['Volleyball', 'Aquatics']
('ROMERO, Rebecca',) ['Rowing', 'Cycling']
('THOMPSON, Richard',) ['Baseball', 'Athletics']
('TOMA, Sanda',) ['Rowing', 'Canoe / Kayak']
('WANG, Liping',) ['Football', 'Athletics']
('WELLS, Matthew',) ['Hockey', 'Rowing']
('YANG, Wei',) ['Badminton', 'Gymnastics']
('YOUNG, Tim',) ['Rowing', 'Baseball']
```

Ans. So there has been quite a few player who has changed the sport and still won a medal. Kudos to them !! Note: Here two different person had same name. for eg., Yang Wei from Gymanstic and from Badminton are different player. From thr given data we cannot distinguish between them. So take it with a pinch of salt

Q9. (Follow up of Q6) Elaborate the result and dive into detials. (Pick any 5 country for this

```
In []:
    q9_data = q6_data[['Year', 'Country','Sum']].groupby(['Year']).apply(lambda x : x.nlarge
    q9_data = q9_data.pivot( index = ['Year'], columns = ['Country'], values = ['Sum']).reset
    q9_data.columns = q9_data.columns.droplevel(0)
# q9_data.columns = ['Year', 'Country', 'Gold', 'Silver','Bronze', 'Sum']
    q9_data = q9_data.rename(columns={ q9_data.columns[0]: "Year"})
    q9_data
# temp =
    q6_data.where(q6_data.Country.isin(q9_data.columns)).dropna()[["Year", "Country", "Sum"]

/tmp/ipython-input-2847804065.py:1: DeprecationWarning: DataFrameGroupBy.apply operated
on the grouping columns. This behavior is deprecated, and in a future version of pandas
the grouping columns will be excluded from the operation. Either pass `include_groups=Fa
lse` to exclude the groupings or explicitly select the grouping columns after groupby to
```

silence this warning.
 q9_data = q6_data[['Year', 'Country','Sum']].groupby(['Year']).apply(lambda x : x.nlar
gest(5,'Sum'))

Out[]:

| | Year | Country | Sum |
|----|--------|---------------|-------|
| 30 | 1976.0 | Soviet Union | 285.0 |
| 10 | 1976.0 | East Germany | 192.0 |
| 37 | 1976.0 | United States | 155.0 |
| 39 | 1976.0 | West Germany | 75.0 |
| 26 | 1976.0 | Poland | 73.0 |
| 13 | 1976.0 | Hungary | 55.0 |

| | Year | Country | Sum |
|-----|--------|---------------|-------|
| 29 | 1976.0 | Romania | 55.0 |
| 5 | 1976.0 | Bulgaria | 39.0 |
| 15 | 1976.0 | Italy | 31.0 |
| 0 | 1976.0 | Australia | 24.0 |
| 7 | 1976.0 | Cuba | 24.0 |
| 6 | 1976.0 | Canada | 20.0 |
| 40 | 1976.0 | Yugoslavia | 19.0 |
| 19 | 1976.0 | Korea, South | 17.0 |
| 67 | 1980.0 | Soviet Union | 442.0 |
| 49 | 1980.0 | East Germany | 260.0 |
| 45 | 1980.0 | Bulgaria | 94.0 |
| 66 | 1980.0 | Romania | 72.0 |
| 55 | 1980.0 | Hungary | 61.0 |
| 75 | 1980.0 | Yugoslavia | 57.0 |
| 65 | 1980.0 | Poland | 50.0 |
| 58 | 1980.0 | Italy | 37.0 |
| 46 | 1980.0 | Cuba | 20.0 |
| 41 | 1980.0 | Australia | 12.0 |
| 119 | 1984.0 | United States | 333.0 |
| 121 | 1984.0 | West Germany | 157.0 |
| 110 | 1984.0 | Romania | 106.0 |
| 122 | 1984.0 | Yugoslavia | 87.0 |
| 83 | 1984.0 | Canada | 86.0 |
| 84 | 1984.0 | China | 76.0 |
| 95 | 1984.0 | Italy | 63.0 |
| 78 | 1984.0 | Australia | 50.0 |
| 99 | 1984.0 | Korea, South | 42.0 |
| 164 | 1988.0 | Soviet Union | 294.0 |
| 172 | 1988.0 | United States | 193.0 |
| 138 | 1988.0 | East Germany | 174.0 |
| 174 | 1988.0 | West Germany | 113.0 |
| 149 | 1988.0 | Korea, South | 77.0 |
| 175 | 1988.0 | Yugoslavia | 63.0 |
| 132 | 1988.0 | China | 53.0 |
| 162 | 1988.0 | Romania | 51.0 |

| | Year | Country | Sum |
|-----|--------|---------------|-------|
| 142 | 1988.0 | Hungary | 44.0 |
| 129 | 1988.0 | Bulgaria | 41.0 |
| 125 | 1988.0 | Australia | 34.0 |
| 145 | 1988.0 | Italy | 29.0 |
| 130 | 1988.0 | Canada | 21.0 |
| 160 | 1988.0 | Poland | 21.0 |
| 239 | 1992.0 | United States | 224.0 |
| 237 | 1992.0 | Unified team | 223.0 |
| 195 | 1992.0 | Germany | 198.0 |
| 185 | 1992.0 | China | 83.0 |
| 188 | 1992.0 | Cuba | 71.0 |
| 178 | 1992.0 | Australia | 57.0 |
| 227 | 1992.0 | Romania | 53.0 |
| 209 | 1992.0 | Korea, South | 49.0 |
| 204 | 1992.0 | Italy | 46.0 |
| 198 | 1992.0 | Hungary | 45.0 |
| 184 | 1992.0 | Canada | 44.0 |
| 224 | 1992.0 | Poland | 42.0 |
| 183 | 1992.0 | Bulgaria | 17.0 |
| 315 | 1996.0 | United States | 260.0 |
| 243 | 1996.0 | Australia | 132.0 |
| 264 | 1996.0 | Germany | 124.0 |
| 298 | 1996.0 | Russia | 115.0 |
| 253 | 1996.0 | China | 110.0 |
| 273 | 1996.0 | Italy | 71.0 |
| 279 | 1996.0 | Korea, South | 66.0 |
| 256 | 1996.0 | Cuba | 57.0 |
| 252 | 1996.0 | Canada | 51.0 |
| 267 | 1996.0 | Hungary | 43.0 |
| 297 | 1996.0 | Romania | 38.0 |
| 317 | 1996.0 | Yugoslavia | 26.0 |
| 250 | 1996.0 | Bulgaria | 21.0 |
| 294 | 1996.0 | Poland | 21.0 |
| 394 | 2000.0 | United States | 248.0 |
| 379 | 2000.0 | Russia | 188.0 |

| | Year | Country | Sum |
|-----|--------|---------------|-------|
| 322 | 2000.0 | Australia | 183.0 |
| 346 | 2000.0 | Germany | 119.0 |
| 334 | 2000.0 | China | 79.0 |
| 361 | 2000.0 | Korea, South | 73.0 |
| 338 | 2000.0 | Cuba | 69.0 |
| 355 | 2000.0 | Italy | 65.0 |
| 348 | 2000.0 | Hungary | 53.0 |
| 378 | 2000.0 | Romania | 46.0 |
| 332 | 2000.0 | Canada | 31.0 |
| 398 | 2000.0 | Yugoslavia | 26.0 |
| 375 | 2000.0 | Poland | 24.0 |
| 330 | 2000.0 | Bulgaria | 13.0 |
| 469 | 2004.0 | United States | 264.0 |
| 453 | 2004.0 | Russia | 192.0 |
| 400 | 2004.0 | Australia | 157.0 |
| 425 | 2004.0 | Germany | 149.0 |
| 433 | 2004.0 | Italy | 102.0 |
| 411 | 2004.0 | China | 94.0 |
| 414 | 2004.0 | Cuba | 61.0 |
| 439 | 2004.0 | Korea, South | 52.0 |
| 428 | 2004.0 | Hungary | 40.0 |
| 452 | 2004.0 | Romania | 39.0 |
| 407 | 2004.0 | Bulgaria | 17.0 |
| 409 | 2004.0 | Canada | 17.0 |
| 450 | 2004.0 | Poland | 12.0 |
| 554 | 2008.0 | United States | 315.0 |
| 488 | 2008.0 | China | 184.0 |
| 477 | 2008.0 | Australia | 149.0 |
| 535 | 2008.0 | Russia | 143.0 |
| 502 | 2008.0 | Germany | 101.0 |
| 517 | 2008.0 | Korea, South | 78.0 |
| 491 | 2008.0 | Cuba | 47.0 |
| 511 | 2008.0 | Italy | 42.0 |
| 486 | 2008.0 | Canada | 34.0 |
| 504 | 2008.0 | Hungary | 27.0 |

```
        Year
        Country
        Sum

        534
        2008.0
        Romania
        22.0

        532
        2008.0
        Poland
        20.0

        484
        2008.0
        Bulgaria
        5.0
```

```
In [ ]:
# Get top 5 countries for each year based on Sum
top5 countries = (
    q6 data[['Year', 'Country', 'Sum']]
    .groupby('Year')
    .apply(lambda x: x.nlargest(5, 'Sum'))
    .reset index(drop=True)
)
# Filter q6 data for only these top countries
temp = q6 data[q6 data['Country'].isin(top5 countries['Country'])][["Year", "Country", "
# Pivot table so years are rows and countries are columns
temp = temp.pivot(index='Year', columns='Country', values='Sum').reset index()
# Clean column names
temp.columns.name = None # remove pivot name
temp = temp.rename(columns={temp.columns[0]: "Year"})
# Replace NaN with 0
q9 data = temp.fillna(0)
print(q9 data)
   Year Australia Bulgaria Canada China
                                               Cuba East Germany
                                                                    Germany
              24.0
                                 20.0
                                         0.0
   1976
                         39.0
                                               24.0
                                                            192.0
                                                                        0.0
0
1
   1980
              12.0
                         94.0
                                  0.0
                                         0.0
                                               20.0
                                                            260.0
                                                                        0.0
2
  1984
              50.0
                          0.0
                                 86.0
                                        76.0
                                                0.0
                                                              0.0
                                                                        0.0
3
  1988
              34.0
                         41.0
                                 21.0
                                        53.0
                                                0.0
                                                            174.0
                                                                        0.0
4
              57.0
                         17.0
                                 44.0
   1992
                                        83.0
                                               71.0
                                                              0.0
                                                                      198.0
5
   1996
             132.0
                         21.0
                                 51.0 110.0
                                               57.0
                                                              0.0
                                                                      124.0
6
   2000
             183.0
                         13.0
                                 31.0
                                        79.0
                                               69.0
                                                              0.0
                                                                      119.0
   2004
7
                         17.0
                                 17.0
                                        94.0
                                               61.0
                                                              0.0
                                                                      149.0
             157.0
8
   2008
             149.0
                          5.0
                                 34.0
                                      184.0
                                              47.0
                                                              0.0
                                                                      101.0
   Hungary
            Italy Korea, South Poland
                                          Romania
                                                    Russia Soviet Union \
      55.0
             31.0
                            17.0
                                    73.0
                                              55.0
                                                       0.0
                                                                    285.0
0
1
      61.0
             37.0
                             0.0
                                    50.0
                                              72.0
                                                       0.0
                                                                    442.0
2
       0.0
             63.0
                            42.0
                                     0.0
                                             106.0
                                                       0.0
                                                                      0.0
3
                            77.0
                                                                    294.0
      44.0
             29.0
                                    21.0
                                              51.0
                                                       0.0
4
      45.0
             46.0
                            49.0
                                    42.0
                                              53.0
                                                                      0.0
                                                       0.0
5
      43.0
             71.0
                            66.0
                                    21.0
                                              38.0
                                                     115.0
                                                                      0.0
6
      53.0
             65.0
                            73.0
                                    24.0
                                              46.0
                                                     188.0
                                                                      0.0
                                                     192.0
7
      40.0 102.0
                            52.0
                                    12.0
                                              39.0
                                                                      0.0
8
      27.0
             42.0
                            78.0
                                    20.0
                                              22.0
                                                     143.0
                                                                      0.0
   Unified team United States West Germany Yugoslavia
0
            0.0
                          155.0
                                         75.0
                                                      19.0
1
            0.0
                            0.0
                                          0.0
                                                      57.0
2
            0.0
                          333.0
                                        157.0
                                                      87.0
3
            0.0
                          193.0
                                        113.0
                                                      63.0
```

```
4
           223.0
                            224.0
                                              0.0
                                                           0.0
5
             0.0
                            260.0
                                              0.0
                                                           26.0
6
             0.0
                            248.0
                                              0.0
                                                           26.0
7
             0.0
                            264.0
                                              0.0
                                                           0.0
                                                            0.0
8
             0.0
                            315.0
                                              0.0
```

/tmp/ipython-input-3295503498.py:5: DeprecationWarning: DataFrameGroupBy.apply operated on the grouping columns. This behavior is deprecated, and in a future version of pandas the grouping columns will be excluded from the operation. Either pass `include_groups=False` to exclude the groupings or explicitly select the grouping columns after groupby to silence this warning.

```
.apply(lambda x: x.nlargest(5, 'Sum'))
```

So these are the top 5 countries in each olympic game. Lets Combine Soviet Union + Unified Team +Russia and East Germany + West Germany + Germany. Also lets drop Yugoslavia, Poland, South Korea, Italy, Hungary, Cuba, Canada, Bulgaria as they are only shown up once in top 5

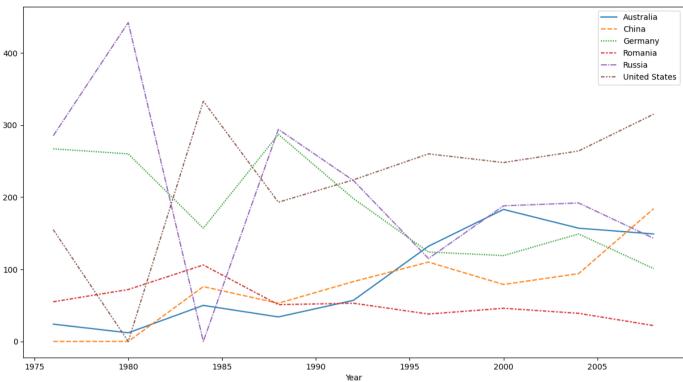
```
In [ ]:
# Merge Germany related columns
q9 data['Germany'] = (
    q9 data.get('Germany', 0).fillna(0) +
    q9 data.get('East Germany', 0).fillna(0) +
    q9 data.get('West Germany', 0).fillna(0)
)
# Merge Russia related columns
q9 data['Russia'] = (
    q9 data.get('Soviet Union', 0).fillna(0) +
    q9 data.get('Russia', 0).fillna(0) +
    q9 data.get('Unified team', 0).fillna(0)
)
# Drop unnecessary countries
drop countries = [
     'Yugoslavia', 'Poland', 'Korea, South', 'Italy', 'Hungary',
    'Cuba', 'Canada', 'Bulgaria',
    'East Germany', 'West Germany', 'Soviet Union', 'Unified team'
1
q9 data = q9 data.drop(columns=[c for c in drop countries if c in q9 data.columns])
# Set 'Year' as index
q9_data = q9_data.set_index('Year')
print(q9 data)
      Australia China
                        Germany
                                 Romania Russia United States
Year
           24.0
                   0.0
                          267.0
                                     55.0
                                            285.0
                                                           155.0
1976
1980
           12.0
                   0.0
                          260.0
                                    72.0
                                            442.0
                                                             0.0
1984
           50.0
                  76.0
                          157.0
                                    106.0
                                              0.0
                                                           333.0
                                            294.0
1988
           34.0
                  53.0
                          287.0
                                    51.0
                                                           193.0
1992
           57.0
                  83.0
                          198.0
                                    53.0
                                            223.0
                                                           224.0
          132.0 110.0
                          124.0
                                    38.0
                                            115.0
1996
                                                           260.0
          183.0
                  79.0
                          119.0
                                    46.0
                                            188.0
2000
                                                           248.0
          157.0
                  94.0
                          149.0
                                    39.0
2004
                                            192.0
                                                           264.0
2008
          149.0 184.0
                          101.0
                                    22.0
                                            143.0
                                                           315.0
```

In []:

```
# q9_data.plot(x = 'Year', y= q9_data.columns[1:])
import seaborn as sns
plt.figure(figsize=(15,8))
sns.lineplot(data = q9_data)
```

Out[]:

<Axes: xlabel='Year'>



Ans. We can clearly see some pattern here.

- Soviet Union(Russia here) dominated Olypics with decline over time except 1982 where it boycotted entire olypics.
- US after boycotting 1980 olypics, rose up to be the dominating player here.
- Germany as a whole country inlcuding (west and east), saw continous decline over period of time.
- China and Australia has witnessed steady rise in their medal tally
- Romania has been same overpeiod with little decline.

Note: The number do not represent number of medal but the total people who won it. E.g., Winner in hockey gets one gold, but 16 people are given the medal. So here we are counting 16.

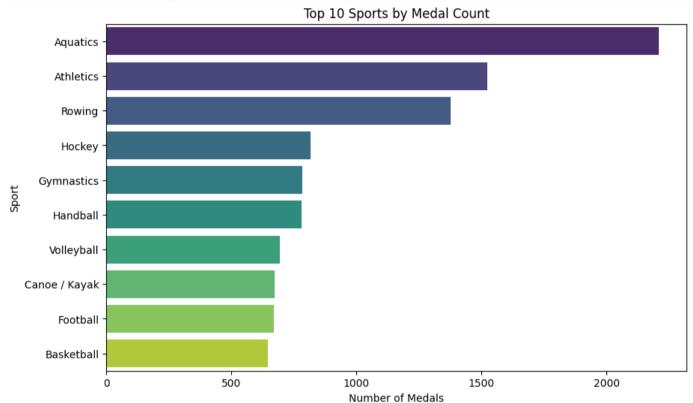
Medal Distribution by Sport (Top 10 Sports)

```
In [ ]:
# Group by Sport and count medals
sport_medals = data.groupby('Sport')['Medal'].count().sort_values(ascending=False).head(
# Plot
plt.figure(figsize=(10,6))
sns.barplot(x=sport_medals.values, y=sport_medals.index, palette="viridis")
```

```
plt.title("Top 10 Sports by Medal Count")
plt.xlabel("Number of Medals")
plt.ylabel("Sport")
plt.show()
/tmp/ipython-input-624454369.py:6: FutureWarning:
```

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `y` variable to `hue` and set `legend=False` for the same effect.

sns.barplot(x=sport_medals.values, y=sport_medals.index, palette="viridis")



Medal Tally Heatmap by Country and Year

```
# Create pivot table for heatmap
heatmap_data = data.pivot_table(index='Country', columns='Year', values='Medal', aggfunc

# Select top 15 countries by total medals
top_countries = heatmap_data.sum(axis=1).sort_values(ascending=False).head(15)
heatmap_data = heatmap_data.loc[top_countries.index]

plt.figure(figsize=(14,8))
sns.heatmap(heatmap_data, cmap="YlGnBu", annot=True, fmt=".0f")
plt.title("Medal Tally Heatmap (Top 15 Countries)")
plt.show()
```

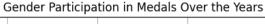
Medal Tally Heatmap (Top 15 Countries)

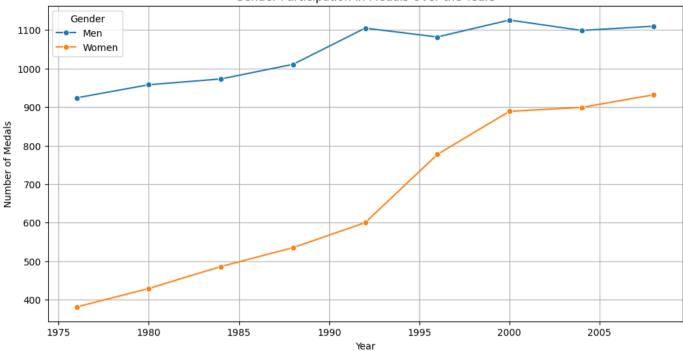
| | | | ויוכ | dai lally lic | atiliap (lop | 13 Countin | C3) | | | |
|------------------|------|------|------|---------------|--------------|------------|------|------|------|--|
| United States - | 155 | 0 | 333 | 193 | 224 | 260 | 248 | 264 | 315 | |
| Soviet Union - | 285 | 442 | 0 | 294 | 0 | 0 | 0 | 0 | 0 | |
| Australia - | 24 | 12 | 50 | 34 | 57 | 132 | 183 | 157 | 149 | |
| Germany - | 0 | 0 | 0 | 0 | 198 | 124 | 119 | 149 | 101 | |
| China - | 0 | 0 | 76 | 53 | 83 | 110 | 79 | 94 | 184 | |
| Russia - | 0 | 0 | 0 | 0 | 0 | 115 | 188 | 192 | 143 | |
| East Germany - | 192 | 260 | 0 | 174 | 0 | 0 | 0 | 0 | 0 | |
| Country Italy - | 31 | 37 | 63 | 29 | 46 | 71 | 65 | 102 | 42 | |
| Romania - | 55 | 72 | 106 | 51 | 53 | 38 | 46 | 39 | 22 | |
| United Kingdom - | 32 | 45 | 72 | 53 | 50 | 26 | 55 | 57 | 77 | |
| Korea, South - | 17 | 0 | 42 | 77 | 49 | 66 | 73 | 52 | 78 | |
| France - | 20 | 29 | 68 | 29 | 57 | 51 | 66 | 53 | 76 | |
| Netherlands - | 15 | 6 | 40 | 44 | 33 | 73 | 79 | 76 | 62 | |
| Japan - | 41 | 0 | 49 | 20 | 47 | 43 | 43 | 94 | 51 | |
| Hungary - | 55 | 61 | 0 | 44 | 45 | 43 | 53 | 40 | 27 | |
| | 1976 | 1980 | 1984 | 1988 | 1992 Year | 1996 | 2000 | 2004 | 2008 | |

Gender Ratio Trend Over the Years

```
In [ ]:
# Count medals by gender per year
gender_year = data.groupby(['Year', 'Gender'])['Medal'].count().reset_index()

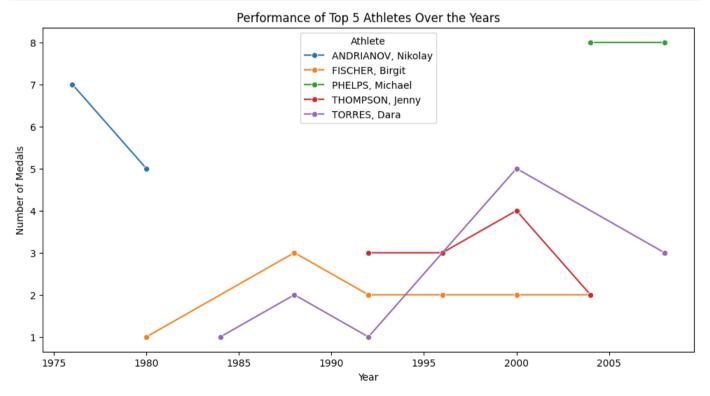
plt.figure(figsize=(12,6))
sns.lineplot(data=gender_year, x='Year', y='Medal', hue='Gender', marker='o')
plt.title("Gender Participation in Medals Over the Years")
plt.ylabel("Number of Medals")
plt.grid(True)
plt.show()
```





Athlete Performance Over Multiple Olympics

```
In [ ]:
athlete performance = data.groupby(['Athlete', 'Year'])['Medal'].count().reset index()
top athletes = athlete performance.groupby('Athlete')['Medal'].sum().sort_values(ascendi
athlete performance = athlete performance[athlete performance['Athlete'].isin(top athlet
plt.figure(figsize=(12,6))
sns.lineplot(data=athlete_performance, x='Year', y='Medal', hue='Athlete', marker='o')
plt.title("Performance of Top 5 Athletes Over the Years")
plt.ylabel("Number of Medals")
plt.show()
```

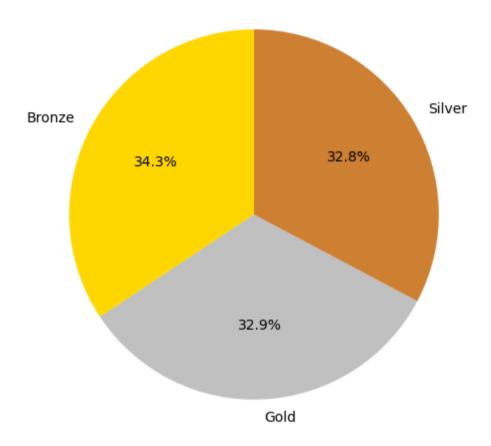


Gold vs Silver vs Bronze Distribution

```
In [ ]:
# Medal type distribution
medal_type = data['Medal'].value_counts()

plt.figure(figsize=(6,6))
medal_type.plot(kind='pie', autopct='%1.1f%%', colors=['gold', 'silver', '#cd7f32'], sta
plt.title("Overall Medal Type Distribution")
plt.ylabel('')
plt.show()
```

Overall Medal Type Distribution



Conclusion

The Olympics Data Analysis provided valuable insights into the trends, patterns, and performances of athletes and countries from 1976 to 2008. By examining medal counts, gender participation, sport-wise performances, and country dominance, several key observations emerged:

Top Performing Nations – Countries like the United States, Soviet Union/Russia, China, and Germany consistently dominated the medal tally across multiple Olympic editions, with notable rises and declines influenced by political, social, and economic factors (e.g., boycotts, sports funding, hosting advantages).

Sport Dominance – Certain countries exhibited clear dominance in specific sports, such as Korea in Archery, USA in Athletics & Swimming, and China in Table Tennis & Diving.

Gender Participation Gap – While women's participation has grown steadily over the years, the data highlights a historical imbalance, with many male-only events in earlier editions. However, recent trends show progress toward gender parity.

Athlete Excellence – Exceptional athletes like Michael Phelps have redefined performance standards by winning multiple medals across events and years.

Evolving Trends – The medal tallies show that emerging sports powerhouses like China and Australia significantly improved their performance in the 2000s, reshaping the competitive landscape.

Medal Type Distribution – Gold, silver, and bronze medal counts are proportionally balanced across countries, but nations with greater sports diversity tend to have a broader medal spread.