

CADA SEGUNDO, CADA
CENTÍMETRO, CADA PONTO

GUILHERME MENEGHETTI EINLOFT

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LUÍS GUSTAVO WERLE TOZEVICH

O PROCESSO PARA A CRIAÇÃO

DATA GRĀ-BRETANHA E EUA DATABASE

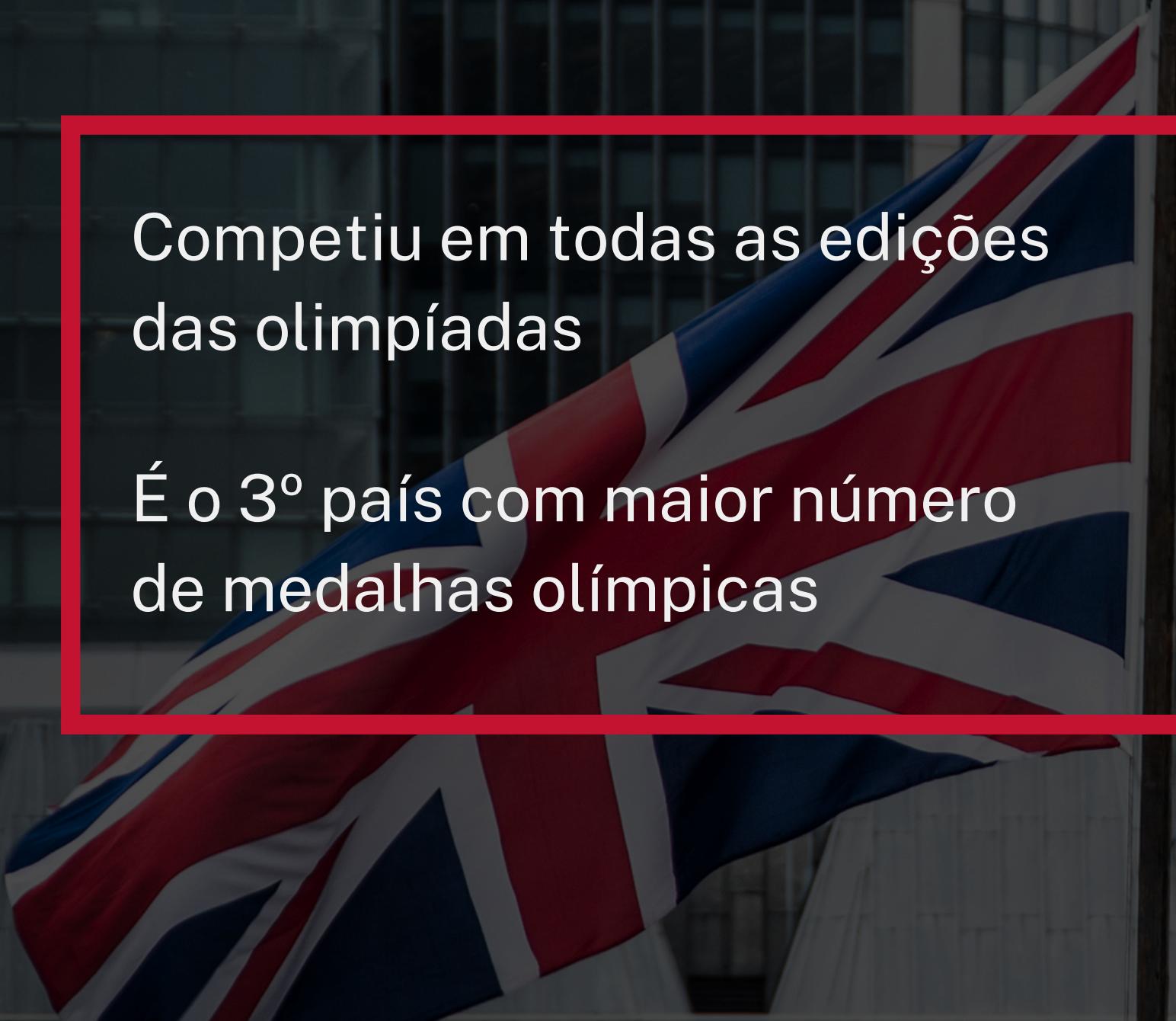


FASE 1

ETAPAS

- ESCOLHA DO PAÍS
- BUSCA PELA FONTE DOS DADOS
- NORMALIZAÇÃO
- EXTRAÇÃO E INSERÇÃO DOS DADOS
- NOVO PAÍS
- ALGUNS PROBLEMAS
- ESCOLHAS
- INTEGRAÇÃO DOS DADOS

POR QUE GRÃ-BRETANHA?

A large Union Jack flag is positioned in the lower-left foreground, partially obscured by a red rectangular frame. The flag is waving slightly against a dark, blurred background of modern skyscrapers.

Competiu em todas as edições das olimpíadas

É o 3º país com maior número de medalhas olímpicas

Ganhou pelo menos uma medalha de ouro em todos os jogos de verão

ESCOLHA DA FONTE DOS DADOS

RGRiffin · UPDATED 6 YEARS AGO 2188 New Notebook Download (6 MB) :

120 years of Olympic history: athletes and results

basic bio data on athletes and medal results from Athens 1896 to Rio 2016



Data Card Code (338) Discussion (21) Suggestions (0)

About Dataset

Context

This is a historical dataset on the modern Olympic Games, including all the Games from Athens 1896 to Rio 2016. I scraped this data from www.sports-reference.com in May 2018. The R code I used to scrape and wrangle the data is on GitHub. I recommend checking [my kernel](#) before starting your own analysis.

Note that the Winter and Summer Games were held in the same year up until 1992. After that, they staggered them such that Winter Games occur on a four year cycle starting with 1994, then Summer in 1996, then Winter in 1998, and so on. A common mistake people make when analyzing this data is to assume that the Summer and Winter Games have always been staggered.

Content

The file athlete_events.csv contains 27116 rows and 15 columns. Each row corresponds to an individual athlete competing in an individual Olympic event (athlete-events). The columns are:

1. ID - Unique number for each athlete
2. Name - Athlete's name
3. Sex - M or F
4. Age - Integer
5. Height - In centimeters

[View more](#)

Usability

8.24

License

CC0: Public Domain

Expected update frequency

Not specified

Tags

Sports History

A PRIMEIRA VERSÃO

ID | NAME | SEX | AGE | HEIGHT | WEIGHT | TEAM | NOC | GAMES | YEAR

ID → Name, Sex, Height, Weight

Year, Season → Games

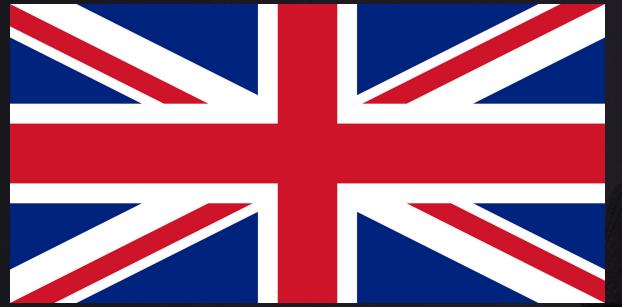
Year, Season, Sport → City

ID, Year, Season → Age

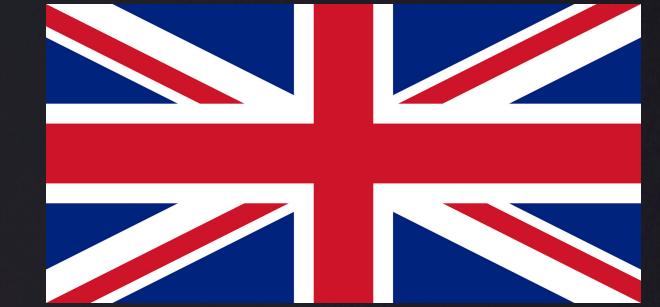
ID, Year, Season, Sport, Event → Team

DEPENDÊNCIAS ENCONTRADAS

Oops...
404 Page Not Found



ERRO NOS DADOS?



Algumas curiosidades!



DÚVIDA

É possível um mesmo atleta ganhar mais de uma medalha na mesma edição das olimpíadas, no mesmo esporte e na mesma modalidade?



SIM!



William Exshaw

Personal information

Full name William Edgar Exshaw

Nationality British

Born 15 February 1866

Arcachon, Second French Empire

Died 16 March 1927 (aged 61)

Valencia, Spain

Sailing career

Class(es) 2–3 ton

Open class

Club Société Nautique de Gironde

Medal record

[hide]

Sailing

Representing  Mixed team

Olympic Games

 1900 Paris 2 to 3 ton 1st race

 1900 Paris 2 to 3 ton 2nd race

DÚVIDA

É possível jogos de uma mesma edição das olimpíadas ocorrerem em diferentes continentes?



SIM!



1956 Summer Olympics

Article Talk

From Wikipedia, the free encyclopedia

The **1956 Summer Olympics**, officially the **Games of the XVI Olympiad** and officially branded as **Melbourne 1956**, were an international multi-sport event held in **Melbourne, Victoria, Australia**, from 22 November to 8 December 1956, with the exception of the equestrian events, which were held in **Stockholm**, Sweden, in June 1956.

These Games were the first to be staged in the **Southern Hemisphere** and **Oceania**, as well as the first to be held outside Europe and North America. Melbourne is the most southerly city ever to host the Olympics. Due to the Southern Hemisphere's seasons being different from those in the Northern Hemisphere, the 1956 Games did not take place at the usual time of year, because of the need to hold the events during the warmer weather of the host's spring/summer (which corresponds to the Northern Hemisphere's autumn/winter), resulting in the only summer games ever to be held in November and December. Australia hosted the Games for a second time in **2000** in **Sydney, New South Wales**, and will host them again in **2032** in **Brisbane, Queensland**.

The Olympic equestrian events could not be held in Melbourne due to Australia's strict **quarantine regulations**,^[2] so they were held in Stockholm five months earlier. This was the second time the Olympics were not held entirely in one country, the first being the **1920 Summer Olympics** in **Antwerp**, Belgium, with some events taking place in **Ostend, Belgium** and **Amsterdam, Netherlands**. Despite uncertainties and various complications encountered during the preparations, the 1956 Games went ahead in Melbourne as planned and turned out to be a success. Started during the 1956 Games was the "Parade of Athletes" at the closing ceremonies.

Nine teams boycotted the Games for various reasons.^[3] Four teams (Egypt, Iraq, Cambodia and Lebanon) boycotted in response to the **Suez Crisis**, in which **Egypt** was invaded by **Israel, France** and the **United Kingdom**.^{[4][5]} Four teams (the Netherlands, Spain, Liechtenstein and Switzerland) boycotted in response to the **Soviet invasion of Hungary**,^{[5][6]} and the **People's Republic of China**'s boycott was in response to a dispute with the **Republic of China** over the right to represent China.^{[7][8]} The **Soviet Union** won the most gold and overall medals at these Games.

One of the most notable events of the games was a **controversial water polo match** between the Soviet Union and the defending champions, **Hungary**. The Soviet Union had recently suppressed an **anti-authoritarian revolution** in Hungary and violence broke out between the teams during the match, resulting in numerous injuries. When Hungary's **Ervin Zádor** suffered bleeding after being punched by Soviet Union's **Valentin Prokopov**, spectators attempted to join the violence, but they were blocked by police. The match was cancelled, with Hungary being declared the winner because they were in the lead.

81 languages

Read Edit View history Tools

Games of the XVI Olympiad



Emblem of the 1956 Summer Olympics

Host city Melbourne, Australia / Stockholm, Sweden

Nations 72

Athletes 3,314 (2,938 men, 376 women)

Events 151 in 17 sports (23 disciplines)

Opening 22 November 1956

Closing 8 December 1956

Opened The Duke of Edinburgh^{[1][a]}
by

Cauldron Ron Clarke^[1]

Stadium Melbourne Cricket Ground

Summer

← Helsinki 1952 Rome 1960 →

Winter

← Cortina 1956 Squaw Valley 1960 →

Part of a series on

1956 Summer Olympics

- Bid process ([bid details](#))
- Venues
- Broadcasters
- Torch relay
- Opening ceremony ([flag bearers](#))
- Medal table ([medalists](#))
- Closing ceremony
- Event calendar
- World and Olympic records

IOC · AOC

AS OLÍMPIADAS DE
VERÃO DE 1956,
OCORRERAM EM
MELBOURNE,
AUSTRÁLIA (OCEANIA),
E ESTOCOLMO, SUÉCIA
(EUROPA)

DÚVIDA

É possível um atleta ganhar duas medalhas de ouro no mesmo esporte, na mesma edição das olimpíadas, competindo para dois países diferentes ao mesmo tempo?



NÃO

ABORDAGEM RELACIONAL

Athlete(ID, Name, Sex, Height, Weight)

Edition(Year, Season)

Competitor(ID, Year, Season)

ID referencia Athlete

(Year, Season) referenciam Edition

Game(Year, Season, Sport, City)

(Year, Season) referenciam Edition

Member(ID, Year, Season, Sport, Event, Team)

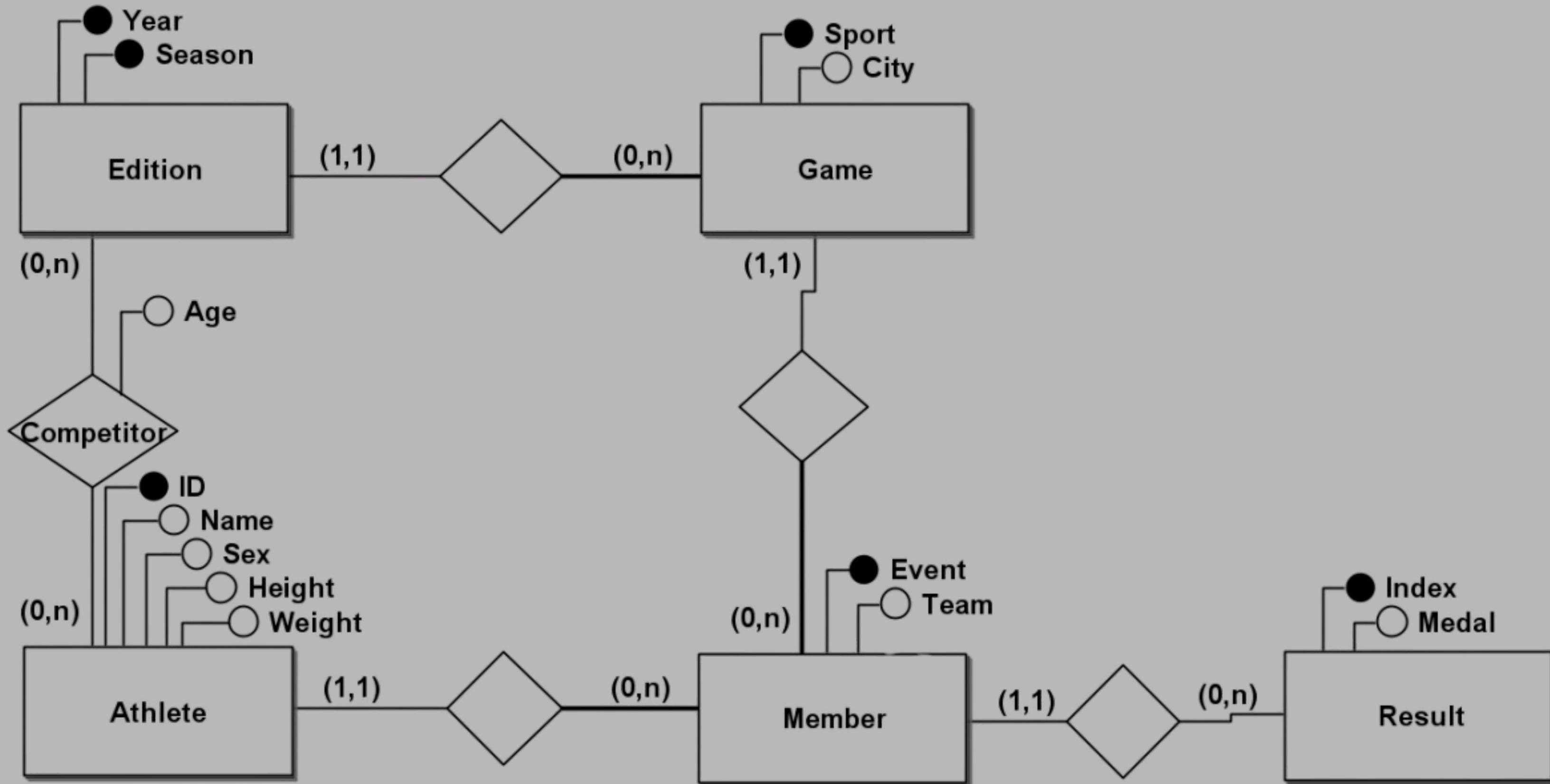
ID referencia Athlete

Year, Season, Sport referenciam Game

Result(Index, ID, Year, Season, Sport, Event, Medal)

(ID, Year, Season, Sport, Event) referenciam Member

DIAGRAMA ER



MODELO FINAL



ALIMENTAÇÃO DO BANCO DE DADOS



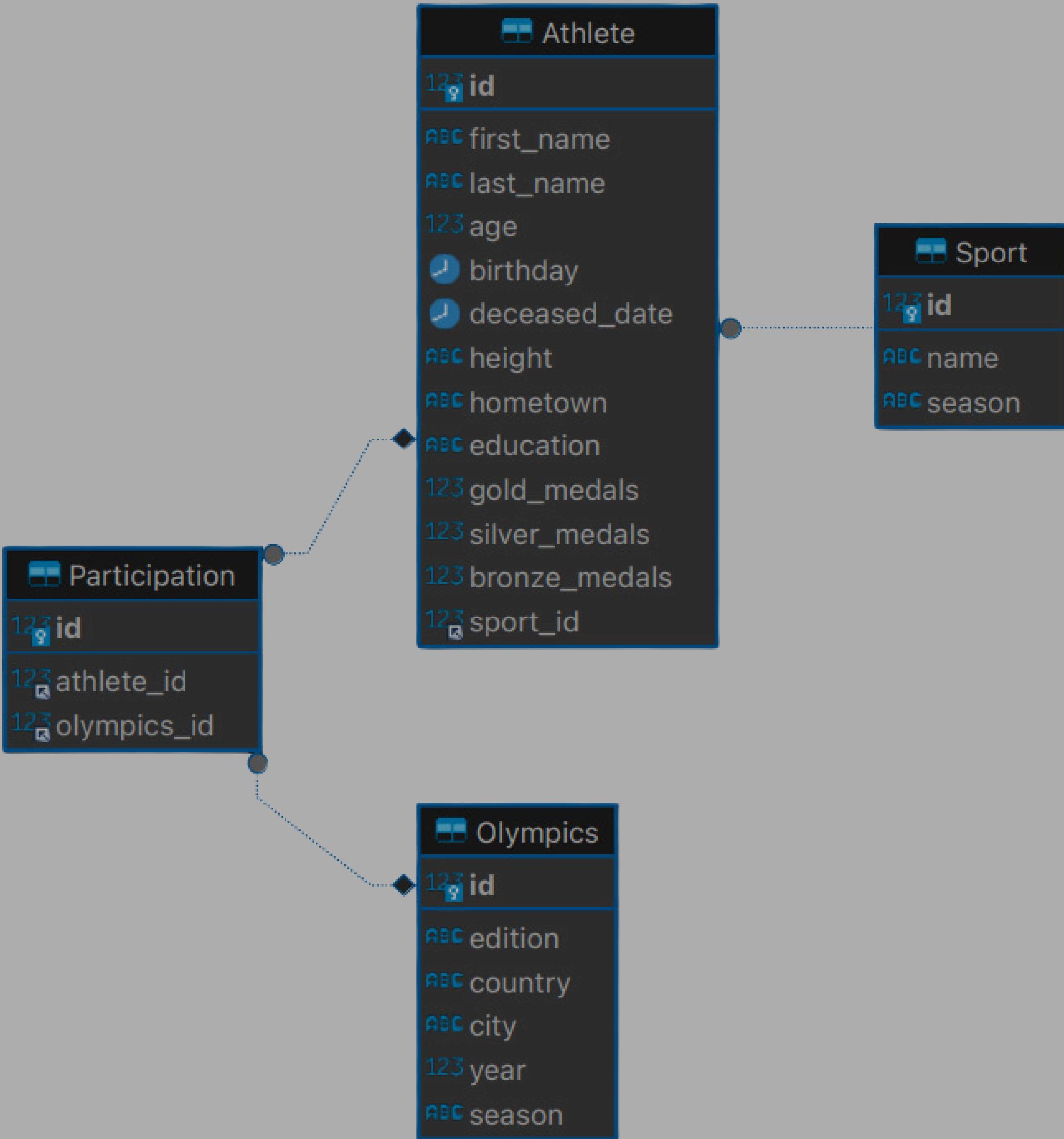


6281
ATLETAS DISTINTOS

A large American flag is flying in the wind against a dark, cloudy sky. The stars and stripes are clearly visible, with the stars in the upper left corner and the stripes running horizontally across the frame.

FASE 2

MODELO



COMPARAÇÃO ENTRE OS MÓDELOS

TABELA OLYMPICS

REALIZAR MATCH COM O CAMPO "YEAR"
E O CAMPO "SEASON".

IMPORTAMOS A COLUNA "COUNTRY",
REALIZANDO A TRADUÇÃO DOS NOMES
DOS PAÍSES.

TABELA ATHLETE

JUNTOU-SE A COLUNA "FIRST_NAME" E
"LAST_NAME" PARA A COLUNA "NAME".
CONVERSÃO DA "HEIGHT" PARA CENTÍMETROS.
AS COLUNAS "HOMETOWN", "EDUCATION",
"BIRTHDAY" E "DECEASED_DATE" SÃO ADICIONADAS.

TABELA SPORT

EQUIVALE A NOSSA TABELA "SPORTS". OS ESPORTES PODEM SER CORRESPONDIDOS PELO NOME OU ADICIONADOS QUANDO NÃO PRESENTES.

'CANOE/KAYAK' -> 'CANOEING'

'TRACK AND FIELD' -> 'ATHLETICS'

TABELA PARTICIPATION

EQUIVALE A NOSSA TABELA "COMPETITORS", PORÉM DEVERÁ SER CORRESPONDIDA COM NOVOS IDENTIFICADORES. A "AGE" PODERÁ SER NULO.

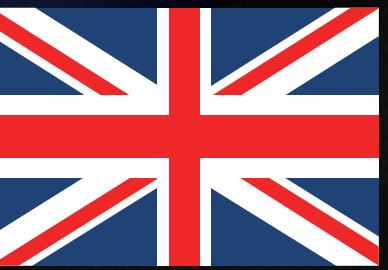
PROBLEMAS

Falta de padronização na
formatação da altura
Múltiplas unidades de
medida e caracteres
especiais

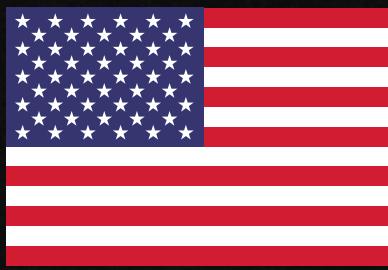
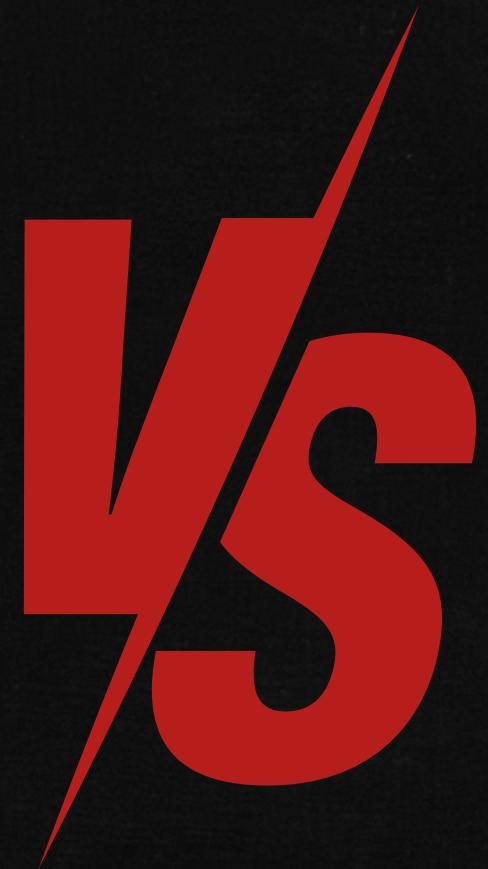
Participações de atletas
duplicadas

Inconsistências de
linguagem

ALGUMAS DIFERENÇAS



- MEDALHA POR EDIÇÃO,
MODALIDADE E ATLETA.
- EDIÇÕES DE
OLIMPÍADAS EM CIDADES
DIFERENTES.



- QUANTIDADE DE CADA
MEDALHA GANHA POR
ATLETA.
- SOMENTE UMA CIDADE
POR EDIÇÃO.

OPÇÕES



(Manter a nossa e adaptar a deles) - criar uma versão que possibilita membros sem edição, sem modalidade e sem time, mas com esporte, e criar medalhas que se referem a esse membro praticamente sem informações.

(Manter a deles e adaptar a nossa) - manter apenas uma única tabela que armazena a quantidade de medalhas que um atleta ganhou em determinado esporte, perdendo os dados de edição, de modalidade e de time.

(Meio termo) - remover o time e a modalidade, mantendo a edição e o esporte. As medalhas deles teriam a edição nula.

(Manter todos os dados) - juntar members e results em uma única tabela, utilizando nulos para a edição, a modalidade e o time.

DÚVIDA

VALE A PENA REDUZIR A QUANTIDADE DE DADOS PARA TER UMA
INTEGRAÇÃO MELHOR DIMINUINDO O NÚMERO DE VALORES
DESCONHECIDOS?

OPÇÕES



(Manter a nossa e adaptar a deles) - criar uma versão que possibilita membros sem edição, sem modalidade e sem time, mas com esporte, e criar medalhas que se referem a esse membro praticamente sem informações.

(Manter a deles e adaptar a nossa) - manter apenas uma única tabela que armazena a quantidade de medalhas que um atleta ganhou em determinado esporte, perdendo os dados de edição, de modalidade e de time.

(Meio termo) - remover o time e a modalidade, mantendo a edição e o esporte. As medalhas deles teriam a edição nula.

(Manter todos os dados) - juntar members e results em uma única tabela, utilizando nulos para a edição, a modalidade e o time.



CONSULTAS E DESCOBERTAS

ATLETAS QUE PARTICIPARAM DE OLIMPÍADAS DESDE 2010

```
SELECT
    name
FROM
    athlete
    NATURAL JOIN participant
    NATURAL JOIN edition
WHERE
    edition.year >= 2010
GROUP BY
    athleteId;
```

| ABC name |
|--|
| Kieron Robert Achara |
| Nicola Virginia Adams |
| Christopher Thomas "Chris" Adcock |
| Margaret Adetutu Adeoye |
| Rebecca "Becky" Adlington |
| Charles Benedict "Ben" Ainslie |
| Yamil Aldama Pozo (-Dodds) |
| Dominique Jayne Allen |
| Joseph Michael "Joe" Allen |
| Sophie Nicole Allen |
| Olivia Elizabeth N. Allison-Federici |
| Eniola "Eni" Aluko |
| Rose Anderson |
| Robert Michael Archibald, Jr. |
| Elizabeth Mary "Lizzie" Armitstead (-D |
| Anita Amma Ankyewah Asante |
| James William Austin |
| Daniel James Awde |
| Andrew James "Andy" Baddeley |
| Andrew John S. Baggaley |

ATLETAS QUE GANHARAM MEDALHAS EM 2016

```
SELECT
    name
FROM
    athlete
    NATURAL JOIN result
    NATURAL JOIN edition
WHERE
    edition.year = 2016
    AND result.medalId IS NOT NULL
GROUP BY
    athleteId;
```

| ABC name |
|---------------------------------------|
| Nicola Virginia Adams |
| Joshua Buatsi |
| Joseph "Joe" Joyce |
| Marcus John Ellis |
| Christopher Phillip "Chris" Langridge |
| Geraldina Rachel "Dina" Asher-Smith |
| Eilidh Child-Doyle |
| Emily Jane Diamond |
| Jessica Phyllis Ennis-Hill |
| Mohamed Muktar Jama "Mo" Farah |
| Desiree Latifah N. Henry |
| Sophie Hitchon |
| Kelly Massey |
| Daryll Saskia Neita |
| Christine Ijeoma Chika Ohuruogu |
| Nwanyika Jenete C. "Anyika" Onuora |
| Asha Solette Philip |
| Gregory James "Greg" Rutherford |
| Saskia Clark |
| Nicholas Charles "Nick" Dempsey |
| Hannah Louise Mills |
| Giles Lyndon Scott |
| Karen Bennett |

ATLETAS QUE PARTICIPARAM DE MAIS DE UMA OLIMPÍADA

```
SELECT
    athlete.name,
    edition.alternateTitle
FROM
    athlete
    NATURAL JOIN participant
    NATURAL JOIN edition
WHERE
    athlete.athleteId IN (
        SELECT
            participant.athleteId
        FROM
            participant
        GROUP BY
            participant.athleteId
        HAVING
            COUNT(DISTINCT participant.editionId) > 1
    )
GROUP BY
    athlete.athleteId,
    edition.editionId
ORDER BY
    athlete.name,
    edition.alternateTitle;
```

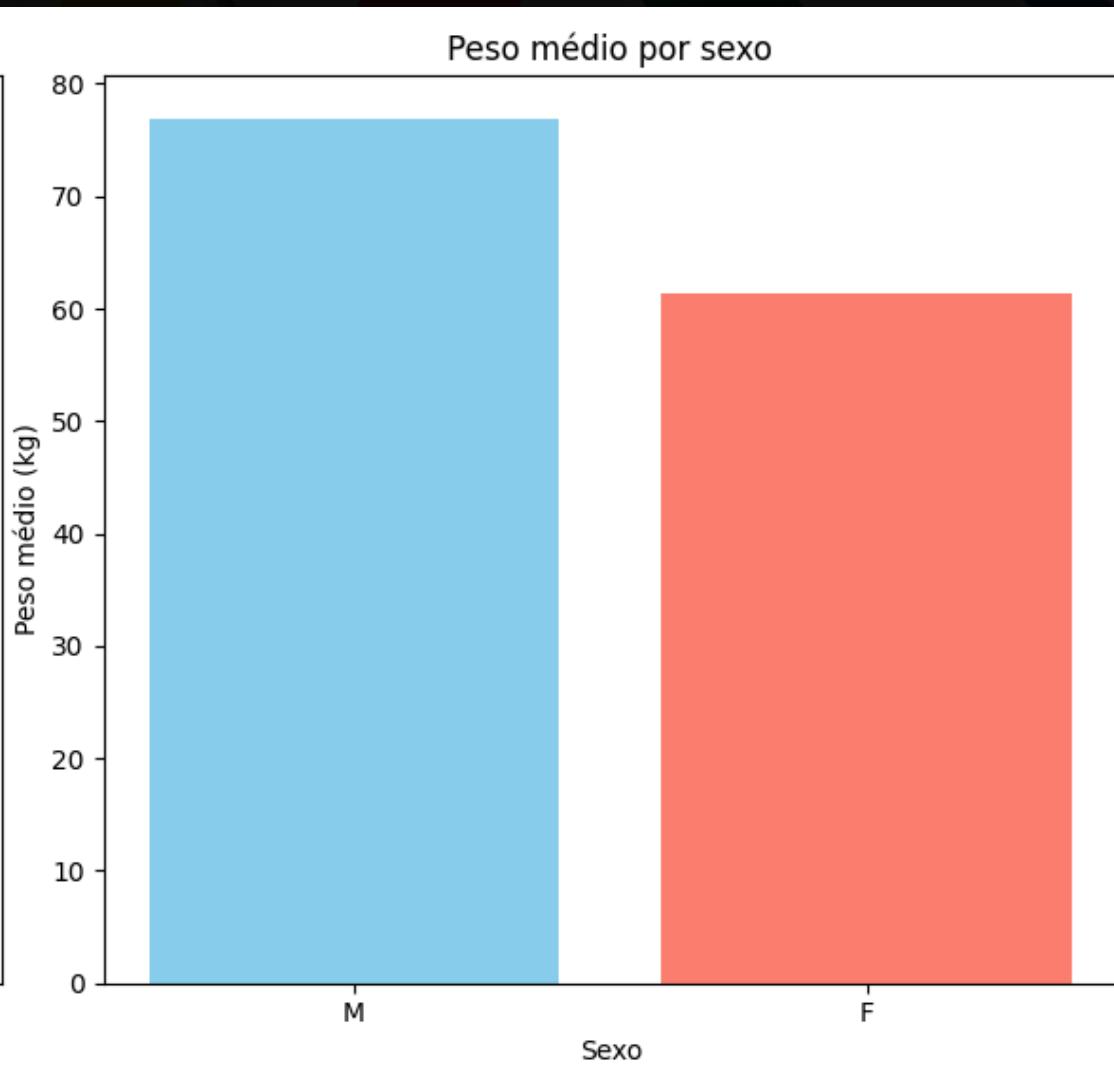
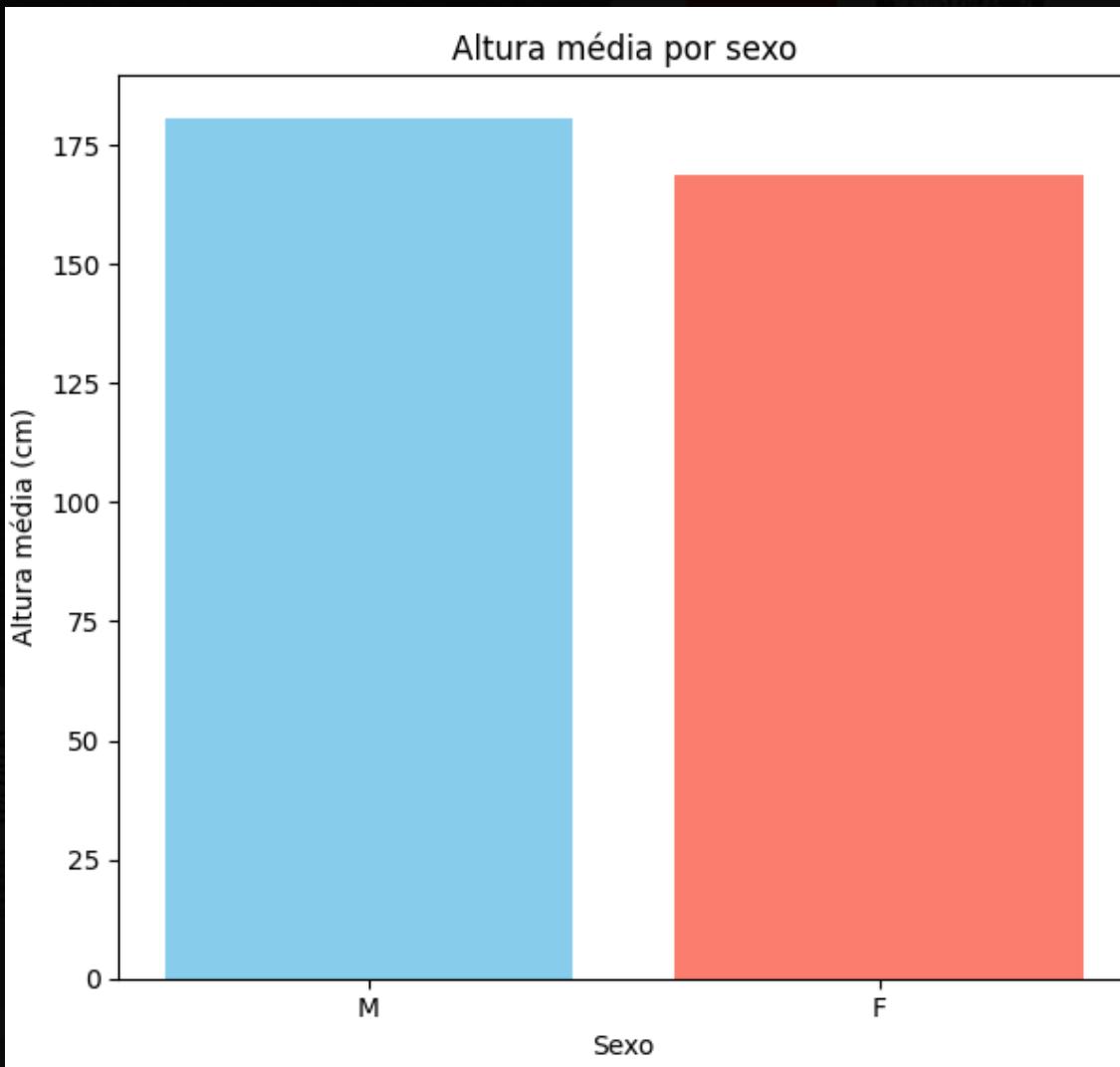
| ABC name | ABC alternateTitle |
|--------------------------------|--------------------|
| A. Joshua "Josh" West | 2004 Summer |
| A. Joshua "Josh" West | 2008 Summer |
| Abiodun Adesola "Abi" Oyepitan | 2004 Summer |
| Abiodun Adesola "Abi" Oyepitan | 2012 Summer |
| Adam Ahmed R. Gemili | 2012 Summer |
| Adam Ahmed R. Gemili | 2016 Summer |
| Adam Joseph "AJ" Rosen | 2006 Winter |
| Adam Joseph "AJ" Rosen | 2010 Winter |
| Adam Laird Pengilly | 2006 Winter |
| Adam Laird Pengilly | 2010 Winter |
| Adam Paul Faulkner | 2000 Summer |
| Adam Paul Faulkner | 2004 Summer |
| Adam Ruckwood | 1992 Summer |
| Adam Ruckwood | 1996 Summer |
| Adam Ruckwood | 2000 Summer |
| Adam Thorp Brown | 2008 Summer |
| Adam Thorp Brown | 2012 Summer |
| Adrian Charles Ellison | 1984 Summer |
| Adrian Charles Ellison | 1992 Summer |
| Adrian David Moorhouse | 1984 Summer |
| Adrian David Moorhouse | 1988 Summer |
| Adrian David Moorhouse | 1992 Summer |
| Adrian George Curry-Steed | 1992 Summer |

OLIMPÍADAS QUE OCORRERAM EM MAIS DE UMA CIDADE

```
SELECT
    edition.alternateTitle,
    city.name
FROM
    edition
    NATURAL JOIN host
    NATURAL JOIN city
WHERE
    edition.editionId IN (
        SELECT
            editionId
        FROM
            host
        GROUP BY
            editionId
        HAVING
            COUNT(DISTINCT cityId) > 1
    )
GROUP BY
    editionId,
    cityId;
```

| ABC alternateTitle | ABC name |
|--------------------|-----------|
| 1956 Summer | Stockholm |
| 1956 Summer | Melbourne |

MÉDIA DE PESO E ALTURA POR SEXO



```
SELECT
    sex,
    AVG(height) AS averageHeight,
    AVG(weight) AS averageWeight
FROM
    athlete
GROUP BY
    sex;
```

| ABC sex | averageHeight | averageWeight |
|---------|---------------|---------------|
| M | 180.77182 | 76.917555 |
| F | 168.75566 | 61.426926 |
| [NULL] | 183.623415 | [NULL] |

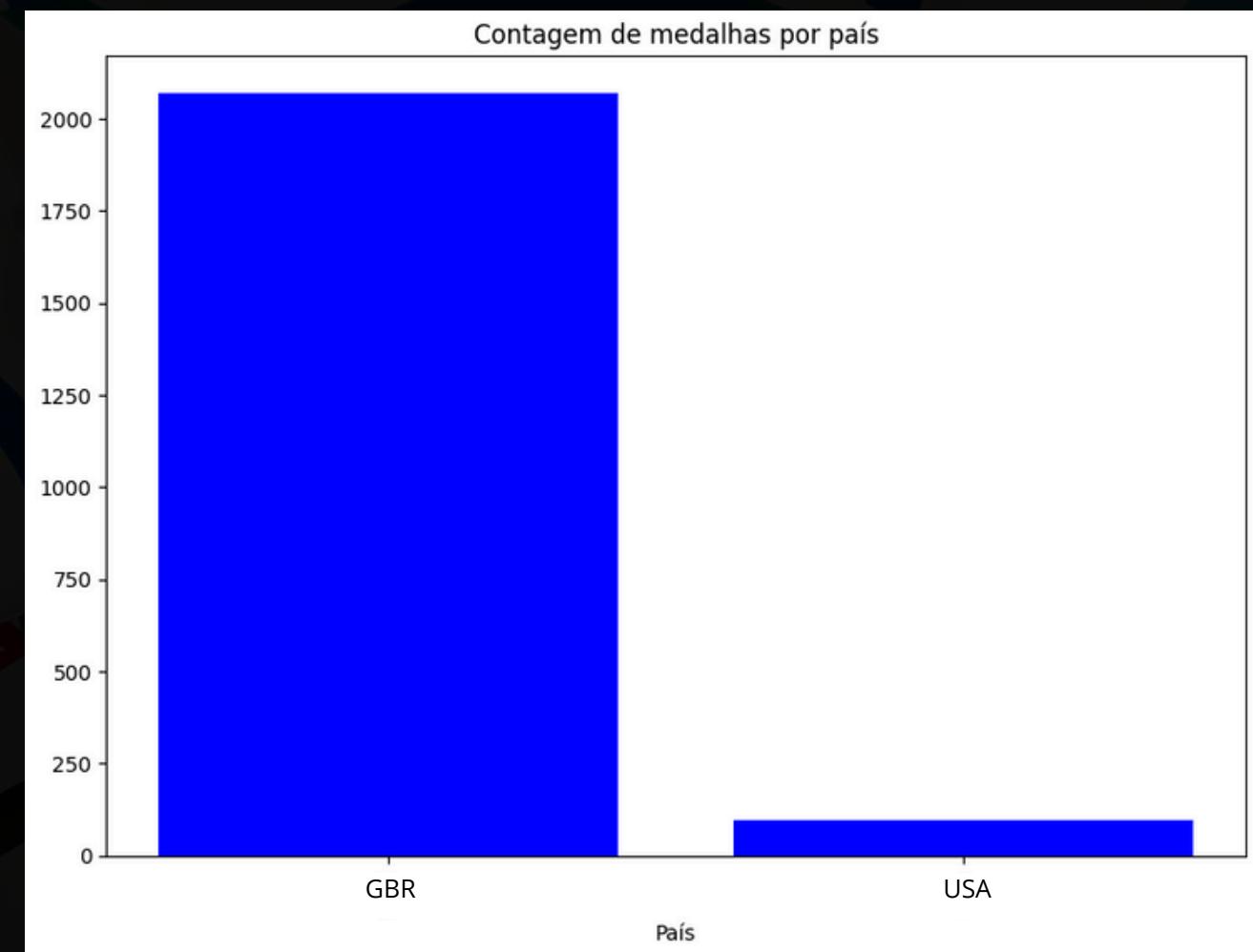
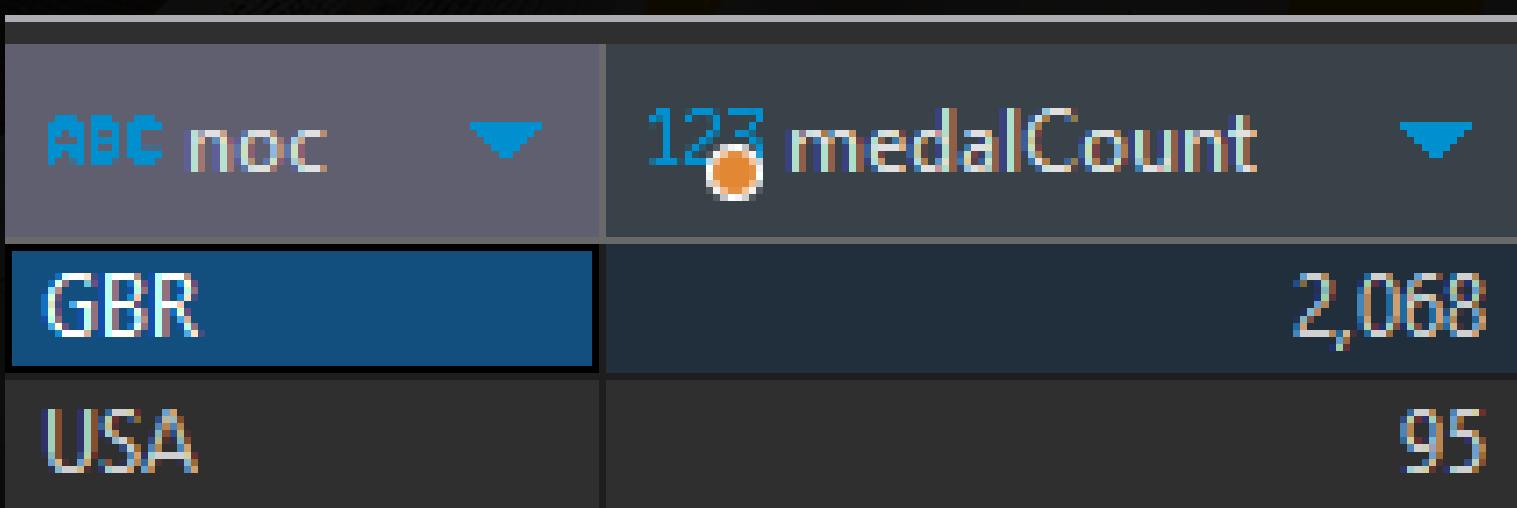
ATLETAS QUE PARTICIPARAM EM MAIS DE UM ESPORTE

```
SELECT
    athlete.name AS athleteName,
    COUNT(DISTINCT participant.sportId) AS sportCount
FROM
    athlete
        NATURAL JOIN participant
GROUP BY
    athlete.athleteId
HAVING
    sportCount > 1
ORDER BY
    sportCount DESC;
```

| ABC athleteName | 123 sportCount |
|----------------------------------|----------------|
| Launceston Elliot | 4 |
| Edward "Ned" Barrett | 3 |
| Allyn Condon | 2 |
| Arthur E. Hawkins | 2 |
| Charles Gordon MacIvor | 2 |
| Charles Percy Digby Legard | 2 |
| Clifford Keith Wain Schellenberg | 2 |
| Albert Edward Dickin | 2 |
| Colin William Ashburner Campbell | 2 |
| Craig Brown | 2 |
| David Mercer | 2 |
| Donald Whittall | 2 |
| Douglas William Godfree | 2 |
| Edgar Isaac Seligman | 2 |
| Colin Lewis | 2 |
| Edward Percival "Percy" Peter | 2 |
| Evan Baillie Noel | 2 |
| Frederick Andrew | 2 |
| Frederick Harkness Humphreys | 2 |
| Frederick Stapleton | 2 |
| George Stuart Robertson | 2 |
| Harold Edward Annison | 2 |
| Hugh Durant | 2 |
| James McKenzie | 2 |
| Jeremy James Palmer-Tomkinson | 2 |
| John Alan Adolphus Herbert | 2 |

NÚMERO DE MEDALHAS POR PAÍS

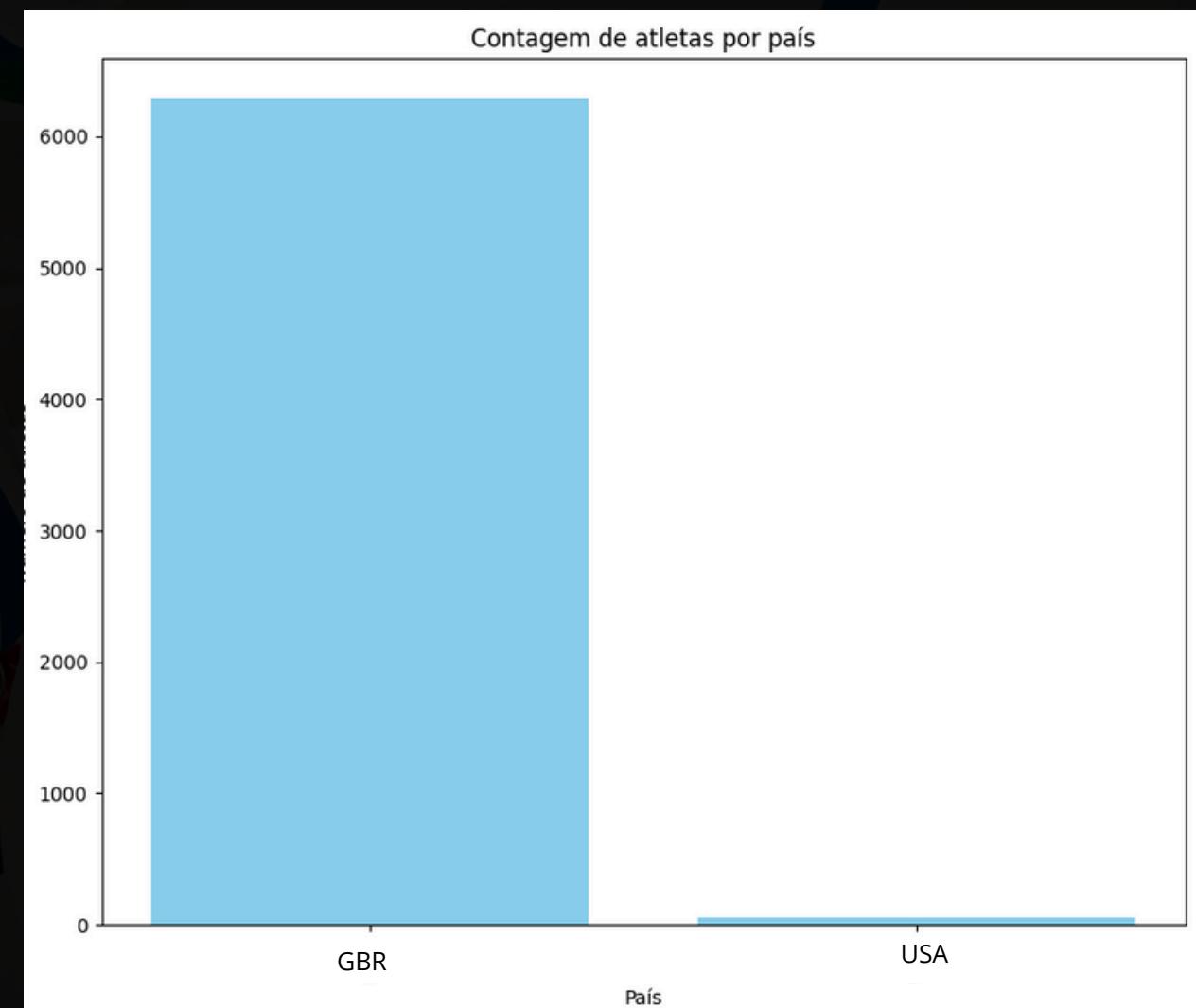
```
SELECT
    athlete.noc AS noc,
    COUNT(result.medalId) AS medalCount
FROM
    athlete
    NATURAL JOIN result
GROUP BY
    athlete.noc
ORDER BY
    medalCount DESC;
```



NÚMERO ATLETAS POR PAÍS

```
SELECT
    noc AS country,
    COUNT(*) AS athleteCount
FROM
    athlete
GROUP BY
    noc;
```

| ABC country | 123 athleteCount |
|-------------|------------------|
| GBR | 6,281 |
| USA | 52 |



ATLETAS QUE GANHARAM MAIS DE UMA MEDALHA NA MESMA EDIÇÃO DAS OLIMPÍADAS, NO MESMO ESPORTE E NA MESMA MODALIDADE

```
SELECT
    athlete.name AS athleteName,
    edition.year AS editionYear,
    edition.season AS editionSeason,
    sport.name AS sportName,
    event.name AS eventName,
    medal.name AS medalName
FROM
    athlete
    JOIN result ON athlete.athleteId = result.athleteId
    JOIN edition ON result.editionId = edition.editionId
    JOIN medal ON result.medalId = medal.medalId
    JOIN event ON result.eventId = event.eventId
    JOIN sport ON event.sportId = sport.sportId
WHERE
    (athlete.athleteId, edition.editionId, event.eventId) IN (
        SELECT
            result.athleteId,
            result.editionId,
            result.eventId
        FROM
            result
        GROUP BY
            result.athleteId,
            result.editionId,
            result.eventId
        HAVING
            COUNT(result.medalId) > 1
    )
ORDER BY
    athlete.name,
    edition.year,
    edition.season,
    sport.name,
    event.name,
    medal.name;
```

| ABC athleteName ▾ | 123 editionYear ▾ | ABC editionSeason ▾ | ABC sportName ▾ | ABC eventName ▾ | ABC medalName ▾ |
|----------------------|-------------------|---------------------|-----------------|-----------------------|-----------------|
| William Edgar Exshaw | 1,900 | Summer | Sailing | Sailing Mixed 2-3 Ton | Gold |
| William Edgar Exshaw | 1,900 | Summer | Sailing | Sailing Mixed 2-3 Ton | Gold |

ATLETAS QUE GANHARAM MAIS DE UMA MEDALHA NA MESMA EDIÇÃO DAS OLIMPIADAS

```
SELECT
    athlete.name AS athleteName,
    edition.year AS editionYear,
    edition.season AS editionSeason,
    sport.name AS sportName,
    event.name AS eventName,
    medal.name AS medalName
FROM
    athlete
    JOIN result ON athlete.athleteId = result.athleteId
    JOIN edition ON result.editionId = edition.editionId
    JOIN medal ON result.medalId = medal.medalId
    JOIN event ON result.eventId = event.eventId
    JOIN sport ON event.sportId = sport.sportId
WHERE
    (athlete.athleteId, edition.editionId) IN (
        SELECT
            result.athleteId,
            result.editionId
        FROM
            result
        GROUP BY
            result.athleteId,
            result.editionId
        HAVING
            COUNT(result.medalId) > 1
    )
ORDER BY
    athlete.name,
    edition.year,
    edition.season,
    sport.name,
    event.name,
    medal.name;
```

| ABC athleteName | 123 editionYear | ABC editionSeason | ABC sportName | ABC eventName | ABC medalName |
|------------------------------------|-----------------|-------------------|---------------|------------------------------------|---------------|
| Adam George Peaty | 2,016 | Summer | Swimming | Swimming Men's 100 m | Gold |
| Adam George Peaty | 2,016 | Summer | Swimming | Swimming Men's 4 x 100 m | Silver |
| Alan Wharmby Jackson | 1,956 | Summer | Cycling | Cycling Men's Road Race | Bronze |
| Alan Wharmby Jackson | 1,956 | Summer | Cycling | Cycling Men's Road Race | Silver |
| Albert George Hill | 1,920 | Summer | Athletics | Athletics Men's 1,500 m | Gold |
| Albert George Hill | 1,920 | Summer | Athletics | Athletics Men's 3,000 m | Silver |
| Albert George Hill | 1,920 | Summer | Athletics | Athletics Men's 800 m | Gold |
| Albert Joseph Kempster | 1,912 | Summer | Shooting | Shooting Men's Dueling | Bronze |
| Albert Joseph Kempster | 1,912 | Summer | Shooting | Shooting Men's Free Pistol | Bronze |
| Alexander Elsdon Maun | 1,908 | Summer | Shooting | Shooting Men's Trap | Bronze |
| Alexander Elsdon Maun | 1,908 | Summer | Shooting | Shooting Men's Trap, Team | Gold |
| Alfred Ernest Tysoe | 1,900 | Summer | Athletics | Athletics Men's 5,000 m | Gold |
| Alfred Ernest Tysoe | 1,900 | Summer | Athletics | Athletics Men's 800 m | Gold |
| Algernon Maudslay | 1,900 | Summer | Sailing | Sailing Mixed 0.5-1 Ton | Gold |
| Algernon Maudslay | 1,900 | Summer | Sailing | Sailing Mixed Open | Gold |
| Allan Louis Neville Jay | 1,960 | Summer | Fencing | Fencing Men's epee, Individual | Silver |
| Allan Louis Neville Jay | 1,960 | Summer | Fencing | Fencing Men's epee, Team | Silver |
| Allan Wipper Wells | 1,980 | Summer | Athletics | Athletics Men's 100 m | Gold |
| Allan Wipper Wells | 1,980 | Summer | Athletics | Athletics Men's 200 m | Silver |
| Althea Kristina "Tina" Codd | 2,008 | Summer | Equestrianism | Equestrianism Mixed Team | Bronze |
| Althea Kristina "Tina" Codd | 2,008 | Summer | Equestrianism | Equestrianism Mixed Team | Bronze |
| Andrew Barron "Andy" Ibbotson | 2,012 | Summer | Tennis | Tennis Men's Singles | Gold |
| Andrew Barron "Andy" Ibbotson | 2,012 | Summer | Tennis | Tennis Mixed Doubles | Silver |
| Andrew John "Andy" Holness | 1,988 | Summer | Rowing | Rowing Men's Coxed Four | Bronze |
| Andrew John "Andy" Holness | 1,988 | Summer | Rowing | Rowing Men's Coxless Four | Gold |
| Ann Elizabeth Packer (-Elliott) | 1,964 | Summer | Athletics | Athletics Women's 400 m | Silver |
| Ann Elizabeth Packer (-Elliott) | 1,964 | Summer | Athletics | Athletics Women's 800 m | Gold |
| Arthur B. J. Norris | 1,900 | Summer | Tennis | Tennis Men's Doubles | Bronze |
| Arthur B. J. Norris | 1,900 | Summer | Tennis | Tennis Men's Singles | Bronze |
| Arthur Godfrey Kilner Bradford | 1,936 | Summer | Athletics | Athletics Men's 4 x 400 m | Gold |
| Arthur Godfrey Kilner Bradford | 1,936 | Summer | Athletics | Athletics Men's 400 m | Silver |
| Arthur James Robertson | 1,908 | Summer | Athletics | Athletics Men's 3 mile, Individual | Gold |
| Arthur James Robertson | 1,908 | Summer | Athletics | Athletics Men's 3,200 m | Silver |
| Arthur William Charles "Bill" Tait | 1,908 | Summer | Tennis | Tennis Men's Doubles, Team | Gold |
| Arthur William Charles "Bill" Tait | 1,908 | Summer | Tennis | Tennis Men's Singles, Team | Gold |
| Benjamin "Ben" Jones | 1,908 | Summer | Cycling | Cycling Men's 20 kilometer | Silver |
| Benjamin "Ben" Jones | 1,908 | Summer | Cycling | Cycling Men's 5,000 m | Gold |
| Benjamin "Ben" Jones | 1,908 | Summer | Cycling | Cycling Men's Team Pursuit | Gold |
| Bernard Boverton Redwood | 1,908 | Summer | Motorboating | Motorboating Mixed Boat | Gold |
| Bernard Boverton Redwood | 1,908 | Summer | Motorboating | Motorboating Mixed Crew | Gold |
| Bradley Marc Wiggins | 2,004 | Summer | Cycling | Cycling Men's Individual Pursuit | Gold |
| Bradley Marc Wiggins | 2,004 | Summer | Cycling | Cycling Men's Madison | Bronze |

PORCENTAGEM DE PARTICIPANTES POR GÊNERO

```
WITH
    allParticipants AS (
        SELECT
            COUNT(DISTINCT athlete.athleteId) totalParticipantCount
        FROM
            participant
            JOIN athlete ON athlete.athleteId = participant.athleteId
        WHERE
            athlete.sex IS NOT NULL
    )
SELECT
    athlete.sex sex,
    COUNT(*) participantCount,
    ROUND(
        (COUNT(*) * 100.0) / allParticipants.totalParticipantCount,
        2
    ) participantPercentage
FROM
    athlete,
    allParticipants
WHERE
    sex IS NOT NULL
    AND athlete.athleteId IN (
        SELECT
            athleteId
        FROM
            participant
    )
GROUP BY
    athlete.sex,
    allParticipants.totalParticipantCount;
```

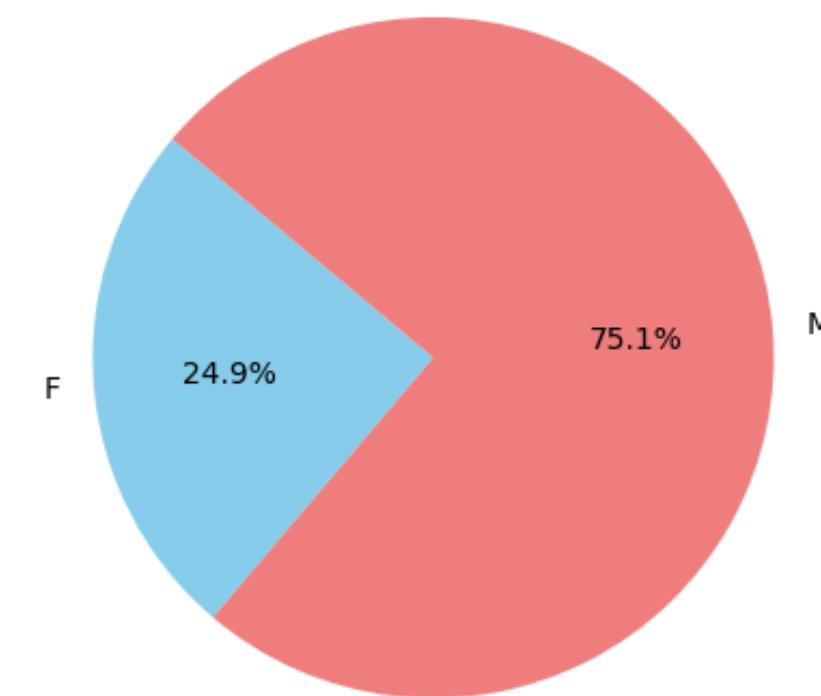
| ABC sex | 123 participantCount | 123 participantPercentage |
|---------|----------------------|---------------------------|
| M | 4,716 | 75.08 |
| F | 1,565 | 24.92 |

PORCENTAGEM DE MEDALHAS POR GÊNERO

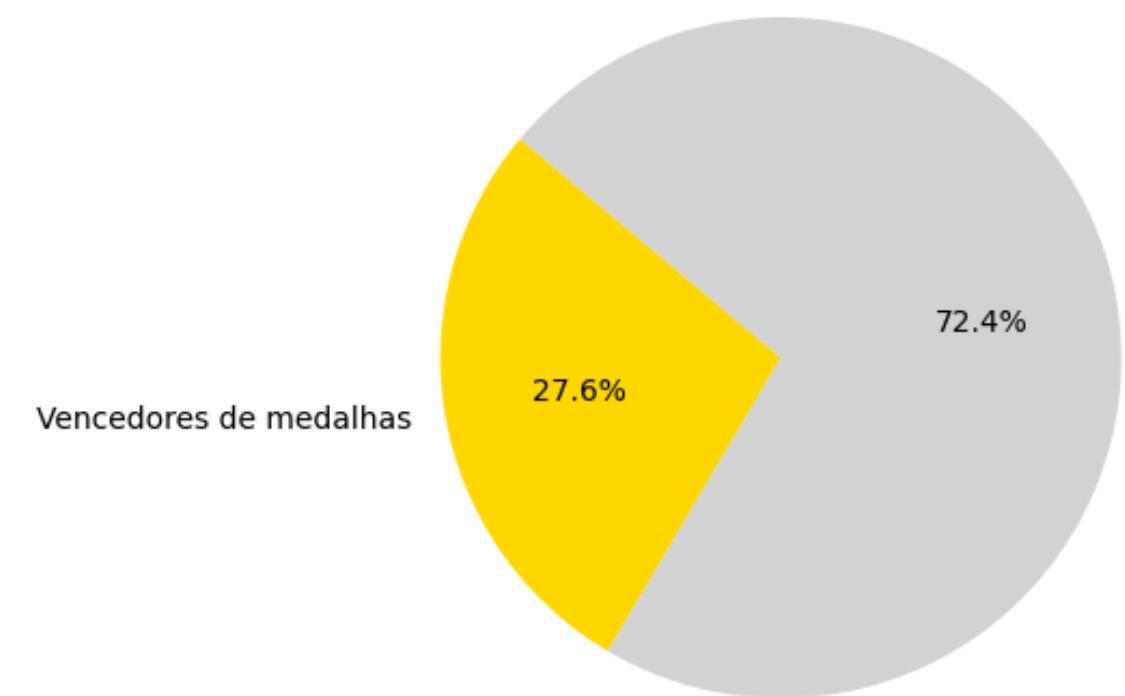
```
WITH
    minimumResult AS (
        SELECT
            result.athleteId,
            MIN(result.medalId) medalId
        FROM
            result
        GROUP BY
            athleteId
    )
SELECT
    athlete.sex sex,
    COUNT(minimumResult.medalId) medalWinnerCount,
    ROUND(
        (COUNT(minimumResult.medalId) * 100.0) / COUNT(*),
        2
    ) medalWinnerPercentage
FROM
    athlete
    NATURAL LEFT JOIN minimumResult
WHERE
    athlete.athleteId IN (
        SELECT
            athleteId
        FROM
            participant
    )
GROUP BY
    athlete.sex;
```

| ABC sex | 123 medalWinnerCount | 123 medalWinnerPercentage |
|---------|----------------------|---------------------------|
| M | 1,303 | 27.63 |
| F | 298 | 19.04 |
| [NULL] | 52 | 100 |

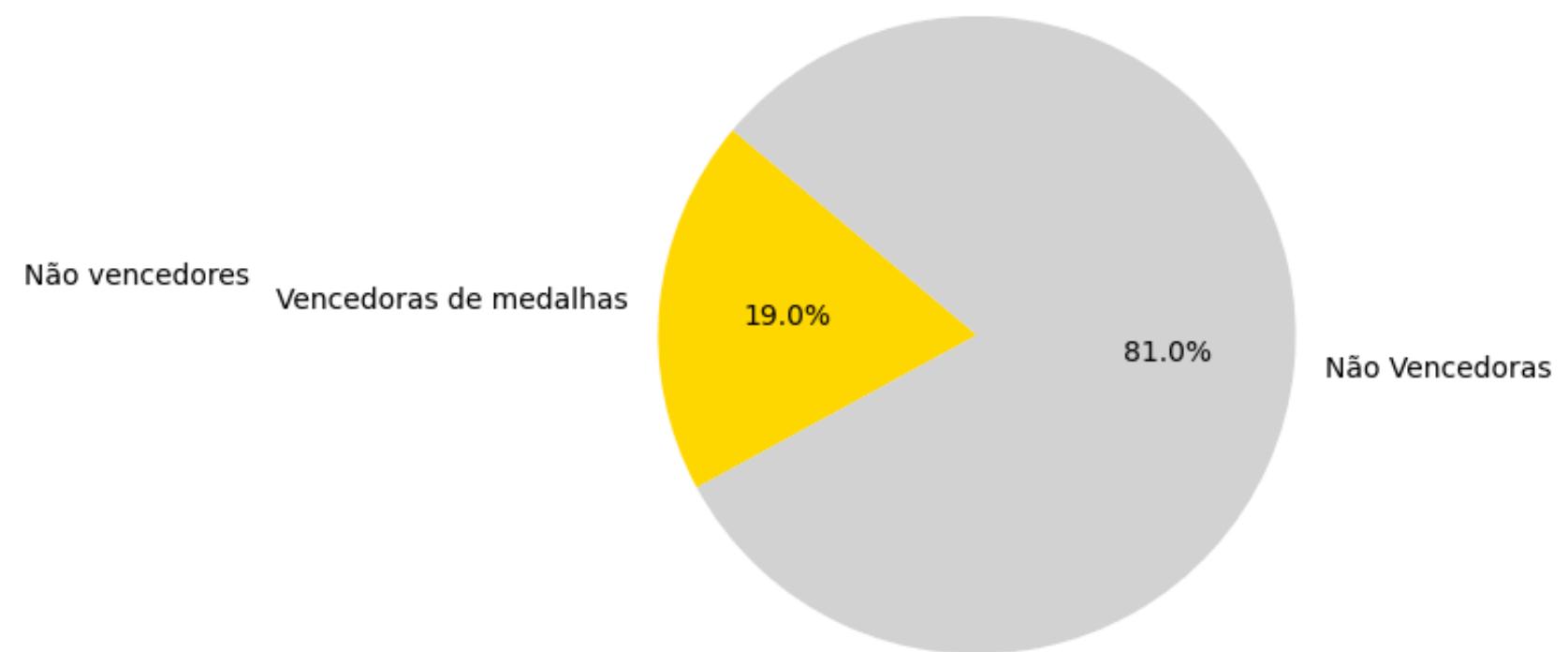
Participação por gênero



Relação de vitória entre participantes masculinos



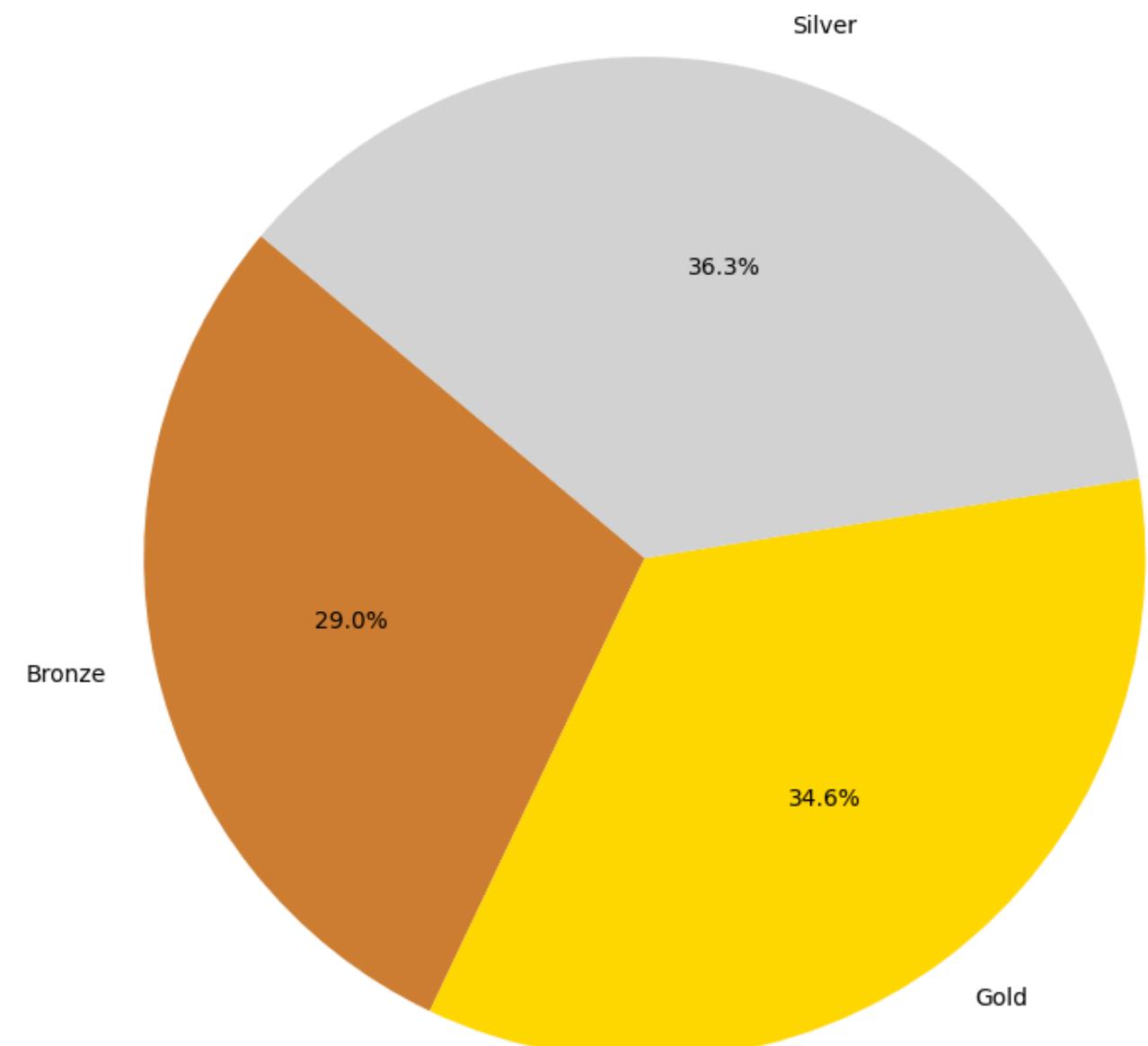
Relação de vitória entre participantes femininos



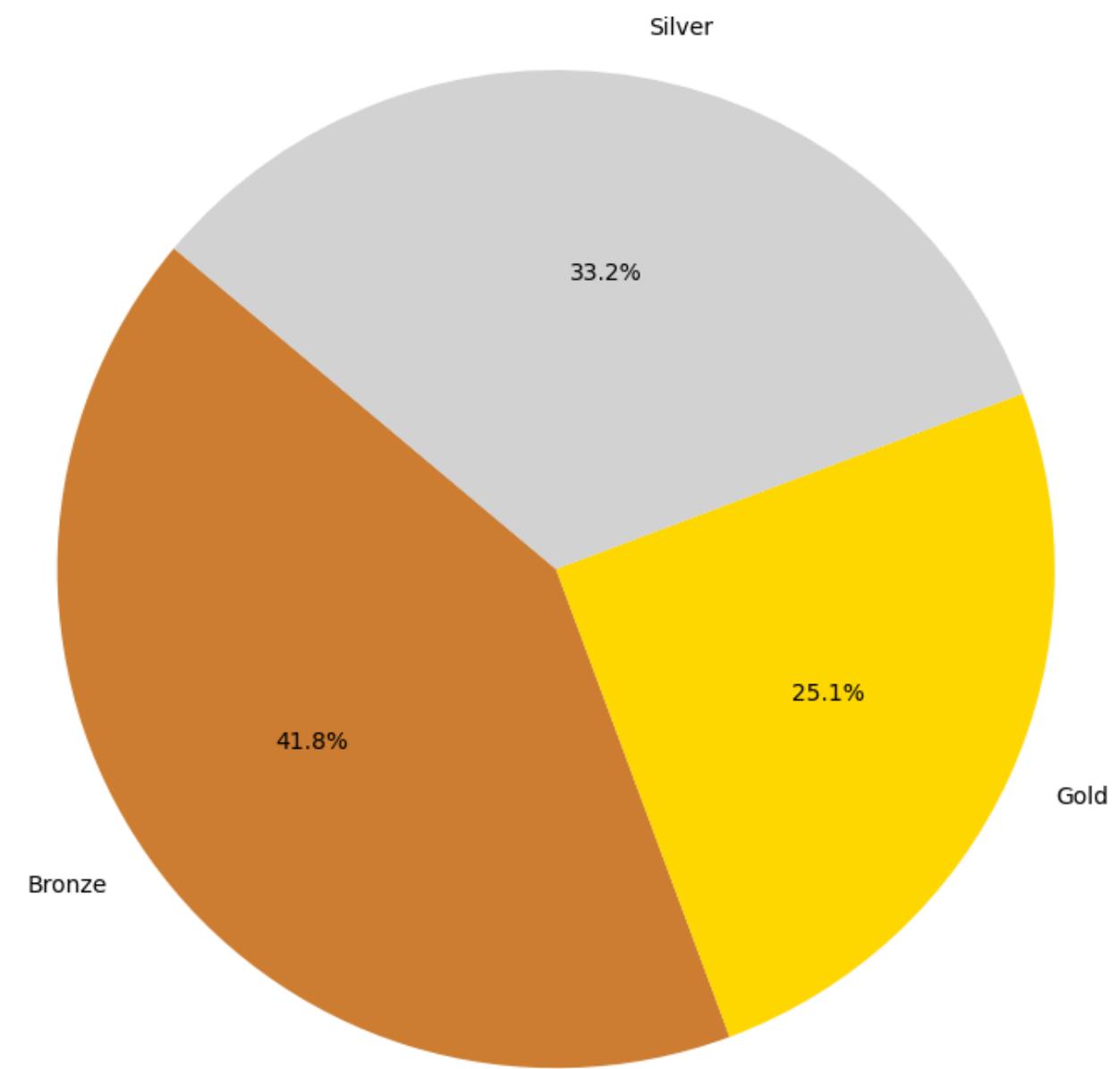
PORCENTAGEM DE MEDALHA DE CADA TIPO POR GÊNERO

```
SELECT
    athlete.sex,
    medal.name,
    COUNT(result.medalId) AS medalCount,
    ROUND(
        (COUNT(result.medalId) * 100.0) / total.medalCount,
        2
    ) AS medalPercentage
FROM
    athlete
    JOIN result ON athlete.athleteId = result.athleteId
    JOIN medal ON result.medalId = medal.medalId
    JOIN (
        SELECT
            athlete.sex,
            COUNT(result.medalId) AS medalCount
        FROM
            athlete
            JOIN result ON athlete.athleteId = result.athleteId
        GROUP BY
            athlete.sex
    ) AS total ON athlete.sex = total.sex
GROUP BY
    athlete.sex,
    medal.medalId;
```

Distribuição de medalhas - masculino



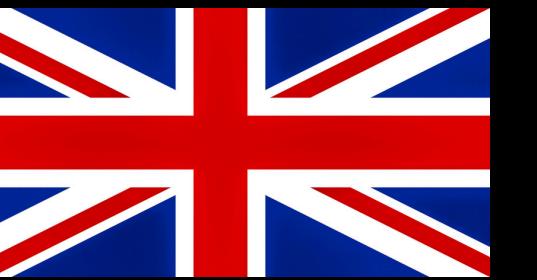
Distribuição de medalhas - feminino



| ABC sex ↑ ↓ | ABC name ↓ | 123 medalCount ↓ | 123 medalPercentage ↓ |
|-------------|------------|------------------|-----------------------|
| F | Bronze | 165 | 41.77 |
| F | Gold | 99 | 25.06 |
| F | Silver | 131 | 33.16 |
| M | Bronze | 486 | 29.05 |
| M | Gold | 579 | 34.61 |
| M | Silver | 608 | 36.34 |



PERGUNTAS?



Fique à vontade para compartilhar sua opinião.



1960