



Badminton at the Summer Olympics

Debut as a
demonstration sport
München 1972

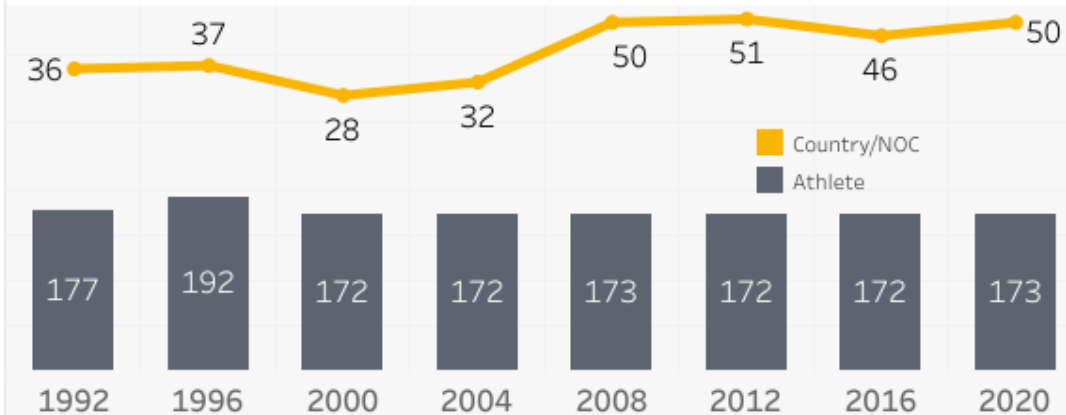
Debut as an
official sport
Barcelona 1992

Oldest Gold
Medalist
Greysia Polii

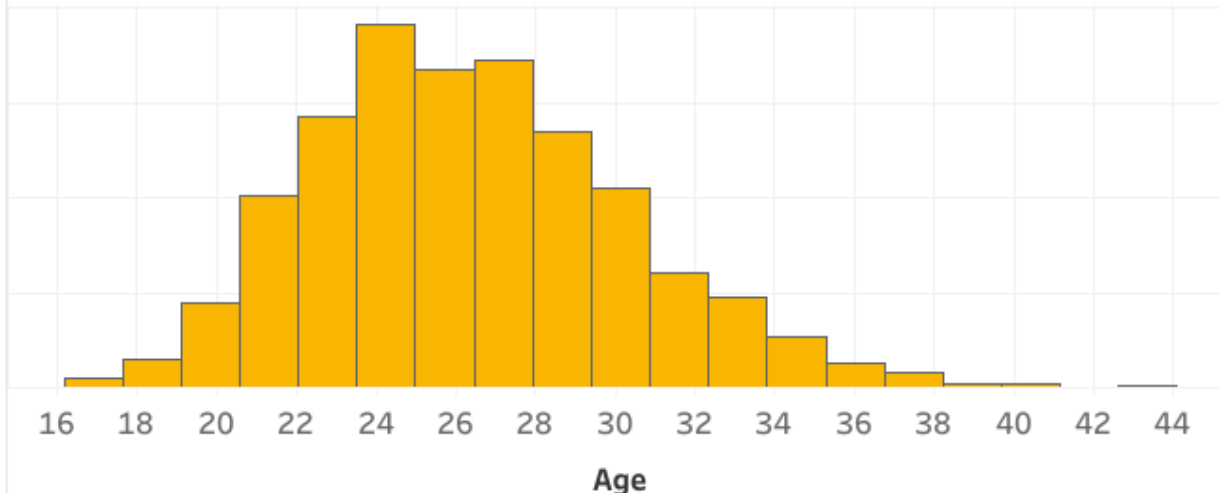
Youngest Gold
Medalist
Lee Yong-Dae

Leader for
the Most Medalist
Gao Ling

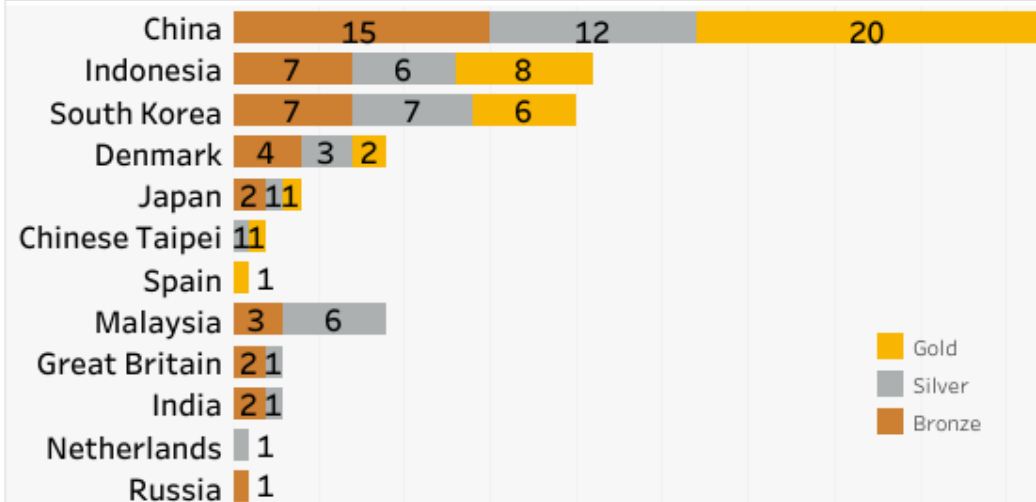
Number of Participation per year



Age Distribution



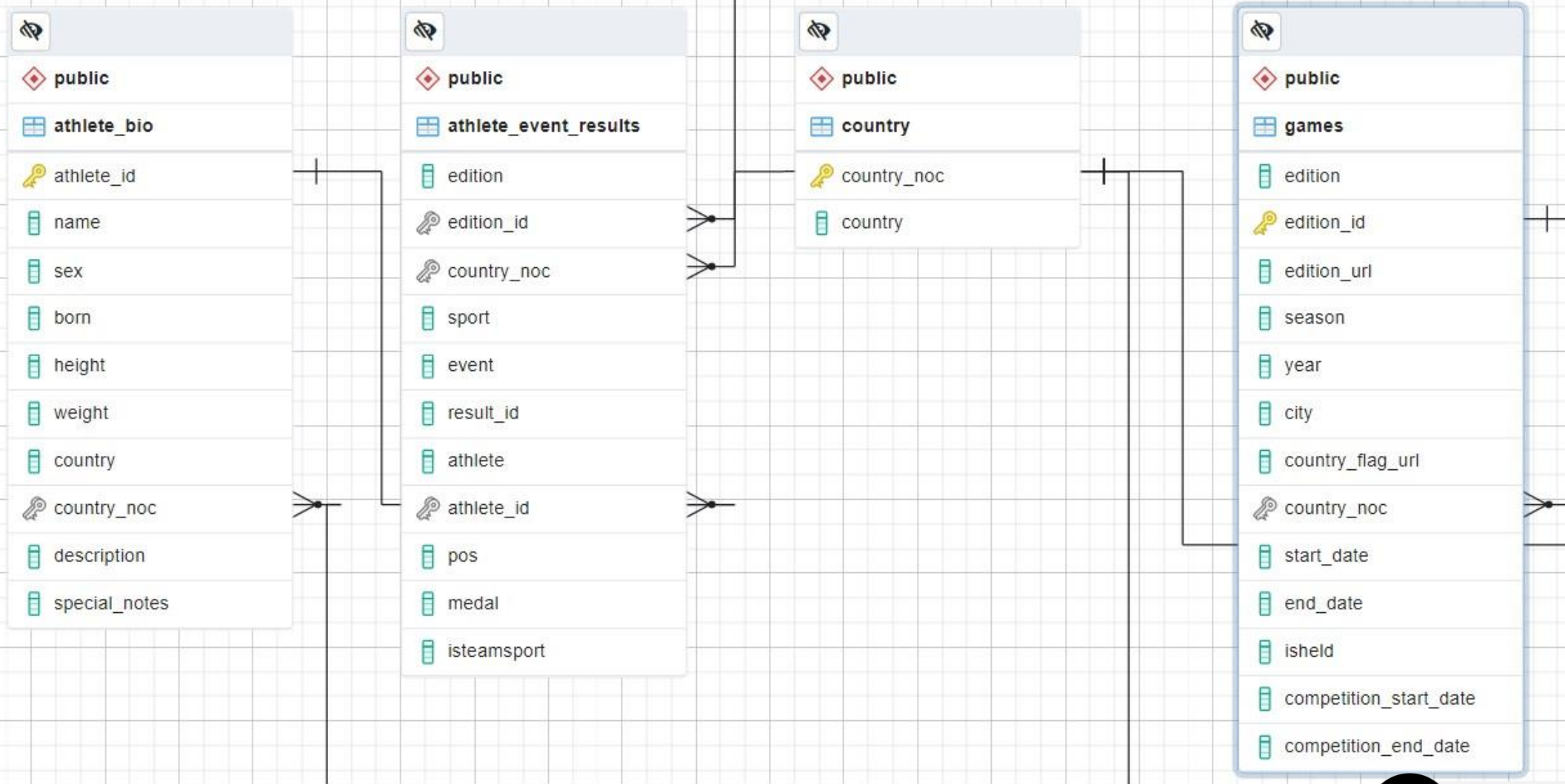
Distribution of Medal by Country



Medals per Year by Country

	1992	1996	2000	2004	2008	2012	2016	2020	Total
China	5	4	8	5	8	8	3	6	47
Indonesia	5	4	3	3	3		1	2	21
South Korea	4	4	2	4	3	1	1	1	20
Malaysia	1	2			1	1	3	1	9
Denmark	1	1	1	1		2	2	1	9
Japan						1	2	1	4
India						1	1	1	3
Great Britain			1	1			1		3
Chinese Taipei								2	2
Spain							1		1
Russia						1			1
Netherlands				1					1
Grand Total	16	15	15	15	15	15	15	15	121

Table Relationship



Link GitHub Repo

Debut as a Demonstration Sport

Query

```
select
    distinct g.city, g.year
from athlete_event_results ae
join games g
    on g.edition_id = ae.edition_id
where sport='Badminton'
order by 2
limit 1
```



Output

city	year
character varying	integer
München	1972



Debut as an Official Sport

Query

```
select
  distinct g.city, g.year
from athlete_event_results ae
join games g
  on g.edition_id = ae.edition_id
where sport='Badminton' and medal != 'na'
order by 2
limit 1
```



Output

city	year
character varying 🔒	integer 🔒
Barcelona	1992



Number of Participation per Year

Query

```
with cte as(  
    select gm.year year_event, gm.city city,  
           ae.country_noc Number_of_Country, ae.athlete_id Number_of_Athlete  
    from athlete_event_results ae  
    left join games gm on ae.edition_id = gm.edition_id  
    where sport = 'Badminton'),  
olympic_group as (  
    select year_event, city, count(distinct Number_of_Country) Number_of_Country,  
           count(distinct Number_of_Athlete) Number_of_Athlete  
    from cte  
    where year_event not in (1972, 1988)  
    group by 1,2  
    order by 1)  
select concat(city, ' ', year_event) olympic, Number_of_Country, Number_of_Athlete  
from olympic_group
```



Output

olympic text	number_of_country bigint	number_of_athlete bigint
Barcelona 1992	36	177
Atlanta 1996	37	192
Sydney 2000	28	172
Athina 2004	32	172
Beijing 2008	50	173
London 2012	51	172
Rio de Janeiro 2016	46	172
Tokyo 2020	50	173



Medals per Year by Country

Query

```
with cte as(
    select c.country country, ae.event event_title, ae.medal medal_type
    from athlete_event_results ae
    join country c on c.country_noc=ae.country_noc
    where sport = 'Badminton'),
double as (
    select country,
        sum(case when medal_type='Gold' then 1 else 0 end)/2 Medal_Gold,
        sum(case when medal_type='Silver' then 1 else 0 end)/2 Medal_Silver,
        sum(case when medal_type='Bronze' then 1 else 0 end)/2 Medal_Bronze
    from cte
    where event_title like 'Doubl%'
    group by 1),
single as (
    select country,
        sum(case when medal_type='Gold' then 1 else 0 end) Medal_Gold,
        sum(case when medal_type='Silver' then 1 else 0 end) Medal_Silver,
        sum(case when medal_type='Bronze' then 1 else 0 end) Medal_Bronze
    from cte
    where event_title like 'Single%'
    group by 1),
group_medal as (
    select * from double
    union
    select * from single)
select country, sum(Medal_Gold) Gold, sum(Medal_Silver) Silver, sum(Medal_Bronze) Bronze,
    sum(Medal_Gold+Medal_Silver+Medal_Bronze) Total_Medals
from group_medal
group by 1
having sum(Medal_Gold+Medal_Silver+Medal_Bronze)>0
order by 2 desc, 3 desc, 4 desc
```

Output

country character varying	92 numeric	96 numeric	00 numeric	04 numeric	08 numeric	12 numeric	16 numeric	20 numeric	total_medals numeric
China	5	4	8	5	8	8	3	6	47
Indonesia	5	4	3	3	3	0	1	2	21
South Korea	4	4	2	4	3	1	1	1	20
Denmark	1	1	1	1	0	2	2	1	9
Malaysia	1	2	0	0	1	1	3	1	9
Japan	0	0	0	0	0	1	2	1	4
Great Britain	0	0	1	1	0	0	1	0	3
India	0	0	0	0	0	1	1	1	3
Chinese Taipei	0	0	0	0	0	0	0	2	2
Netherlands	0	0	0	1	0	0	0	0	1
Russia	0	0	0	0	0	1	0	0	1
Spain	0	0	0	0	0	0	1	0	1



Distribution of Medal by Country

Query

```
with cte as(
  select c.country country, ae.event event_title, ae.medal medal_type
  from athlete_event_results ae
  join country c on c.country_noc=ae.country_noc
  where sport = 'Badminton'),
double as (
  select country,
    sum(case when medal_type='Gold' then 1 else 0 end)/2 Medal_Gold,
    sum(case when medal_type='Silver' then 1 else 0 end)/2 Medal_Silver,
    sum(case when medal_type='Bronze' then 1 else 0 end)/2 Medal_Bronze
  from cte
  where event_title like 'Doub%'
  group by 1),
single as (
  select country,
    sum(case when medal_type='Gold' then 1 else 0 end) Medal_Gold,
    sum(case when medal_type='Silver' then 1 else 0 end) Medal_Silver,
    sum(case when medal_type='Bronze' then 1 else 0 end) Medal_Bronze
  from cte
  where event_title like 'Single%'
  group by 1),
group_medal as (
  select * from double
  union
  select * from single)
select country, sum(Medal_Gold) Gold, sum(Medal_Silver) Silver, sum(Medal_Bronze) Bronze,
  sum(Medal_Gold+Medal_Silver+Medal_Bronze) Total_Medals
from group_medal
group by 1
having sum(Medal_Gold+Medal_Silver+Medal_Bronze)>0
order by 2 desc, 3 desc, 4 desc
```

Output

country character varying	gold numeric	silver numeric	bronze numeric	total_medals numeric
China	20	12	15	47
Indonesia	8	6	7	21
South Korea	6	7	7	20
Denmark	2	3	4	9
Japan	1	1	2	4
Chinese Taipei	1	1	0	2
Spain	1	0	0	1
Malaysia	0	6	3	9
Great Britain	0	1	2	3
India	0	1	2	3
Netherlands	0	1	0	1
Russia	0	0	1	1



Oldest Gold Medalist

Query

```
with cte as (  
  select athlete_id,  
    (case  
      when born like 'in%' then null  
      when born = 'na' then null  
      when born like '(%)' then left(right(born, 5), 4)  
      when born is null then null  
      else born  
    end) born  
  from athlete_bio),  
table1 as (  
  select ae.edition, ae.athlete, ae.medal,  
    make_date(  
      nullif(left(c.born, 4), '')::int,  
      nullif(split_part(c.born, '-', 2), '')::int,  
      nullif(split_part(c.born, '-', 3), '')::int) date_birth  
  from athlete_event_results ae  
  left join cte c on ae.athlete_id = c.athlete_id  
  where sport='Badminton'),  
cte2 as (  
  select edition,  
    (case  
      when start_date is null then null  
      when start_date = 'na' then left(edition, 4)  
      else start_date  
    end) start_date  
  from games),  
cte_event as (  
  select edition,  
    make_date(  
      nullif(left(start_date, 4), '')::int,  
      nullif(split_part(start_date, '-', 2), '')::int,  
      nullif(split_part(start_date, '-', 3), '')::int) date_event  
  from games)
```



Output

oldest_athlete_gold_medal	age
character varying	text
Greysia Polii	33 Years 11 Month



Youngest Gold Medalist

Query

```
with cte as (  
  select athlete_id,  
    (case when born like 'in%' then null  
     when born = 'na' then null  
     when born like '%' then left(right(born, 5), 4)  
     when born is null then null  
     else born end) born  
  from athlete_bio),  
table1 as (  
  select ae.edition, ae.athlete, ae.medal,  
    make_date(  
      nullif(left(c.born, 4), '')::int,  
      nullif(split_part(c.born, '-', 2), '')::int,  
      nullif(split_part(c.born, '-', 3), '')::int) date_birth  
  from athlete_event_results ae  
  left join cte c on ae.athlete_id = c.athlete_id  
  where sport='Badminton'),  
cte2 as (  
  select edition,  
    (case when start_date is null then null  
     when start_date = 'na' then left(edition, 4) else start_date  
     end) start_date  
  from games),  
cte_event as (  
  select edition,  
    make_date(  
      nullif(left(start_date, 4), '')::int,  
      nullif(split_part(start_date, '-', 2), '')::int,  
      nullif(split_part(start_date, '-', 3), '')::int) date_event  
  from cte2),  
group_bod_event as (  
  select t1.edition, t1.athlete, t1.medal, t1.date_birth,  
    t2.date_event, AGE(t2.date_event, t1.date_birth) age  
  from table1 t1  
  left join cte_event t2 on t1.edition = t2.edition  
  where t1.medal = 'Gold'
```



Output

youngest_athlete_gold_medal	concat
character varying	text
Lee Yong-Dae	19 Years 10 Month



Link GitHub Repo

Leader for the Most Medalist

Query

```
with cte as (  
    select athlete,  
           sum(case when medal='Gold' then 1 else 0 end) Gold,  
           sum(case when medal='Silver' then 1 else 0 end) Silver,  
           sum(case when medal='Bronze' then 1 else 0 end) Bronze  
    from athlete_event_results  
    where medal!='na' and sport='Badminton'  
    group by 1)  
select  
    athlete, sum(Gold) Gold, sum(Silver) Silver,  
    sum(Bronze) Bronze, sum(Gold+Silver+Bronze) Total  
from cte  
group by 1  
order by 5 desc, 2 desc, 3 desc  
limit 1
```

Output

athlete character varying	gold numeric	silver numeric	bronze numeric	total numeric
Gao Ling	2	1	1	4

