

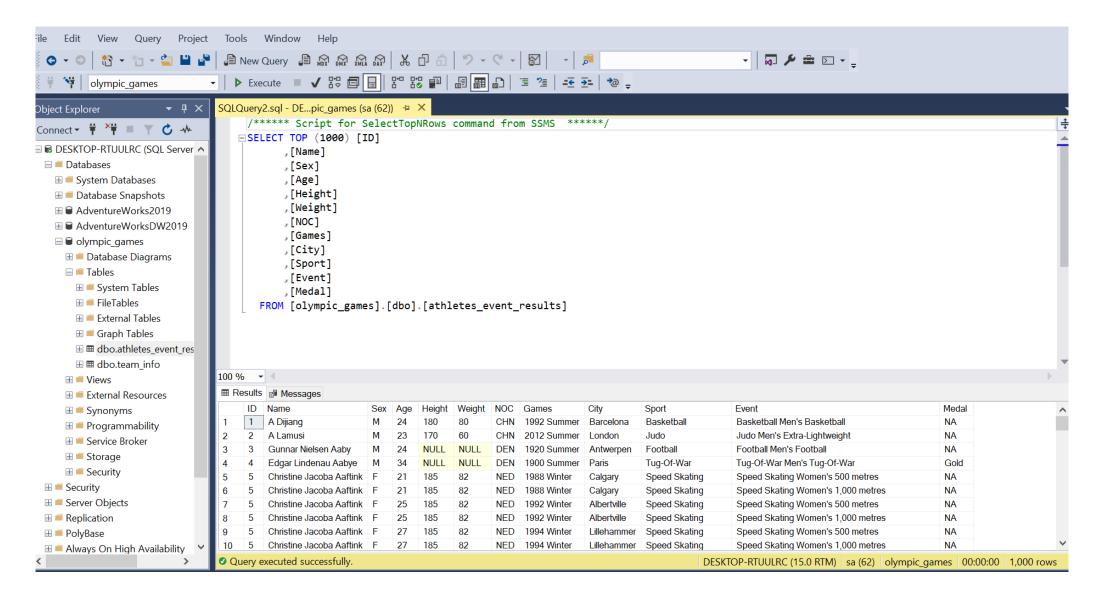
### **Business Problem**

As a data analyst working at a news company you are asked to visualize data that will help readers understand how counties have performed historically in the summer Olympic Games.

You also know that there is an interest in details about the competitors, so if you find anything interesting then don't hesitate to bring that in also

The main task is still to show historical performance for different countries with the possibility to select your own country.

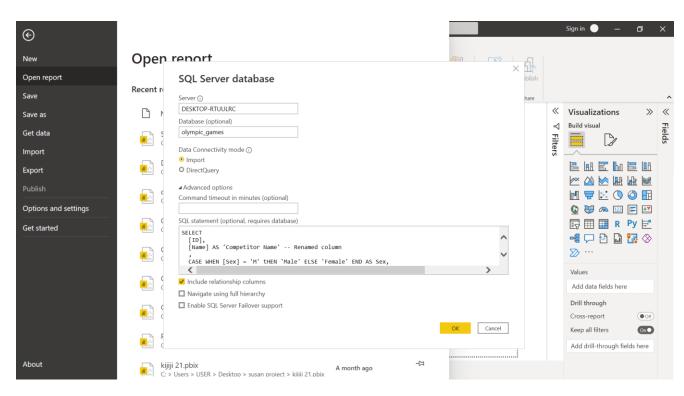
## Project Raw Data



### Project Transformed Data (after beautifying code)

```
SQLQuery2.sql - DE...pic games (sa (62))* + X
       AND 25 THEN '18-25' WHEN [Age] BETWEEN 25
       AND 30 THEN '25-30' WHEN [Age] > 30 THEN 'OVER 30' END AS [Age Grouping],
       [Height],
       [Weight],
       [NOC] AS 'Nation Code' -- ,CHARINDEX(' ', Games)-1 AS 'Example 1'
               ,CHARINDEX(' ', REVERSE(Games))-1 AS 'Example 2'
       LEFT(
         Games.
        CHARINDEX(' ', Games) -1
       ) AS 'Year' -- split column to isolate Year, based on space
               ,RIGHT(Games,CHARINDEX(' ',REVERSE(Games))-1) 'AS Season' --Split column to isolate Season, based on space
               ,[Games]
               ,[City] -- Comment out as it is not necessary in the analysis
       [Sport],
       [Event],
       CASE WHEN Medal = 'Na' THEN 'Not Registed' ELSE Medal END AS Medal -- Replaced Na with Not Registered
       [olympic games].[dbo].[athletes event results]
     WHERE
       RIGHT(
         Games,
         CHARINDEX(
           REVERSE(Games)
       ) = 'Summer' -- where clause to isolate Summer Season
100 %
ID Competitor Name Sex Age Age Grouping Height Weight Nation Code Year Sport
                                                                                                  Medal
                                                                             Event
Query executed successfully.
                                                                                DESKTOP-RTUULRC (15.0 RTM) sa (62) olympic games 00:00:14 222,552 rows
```

# Importing Data to Power Bi (Directly from SQL Server Database)



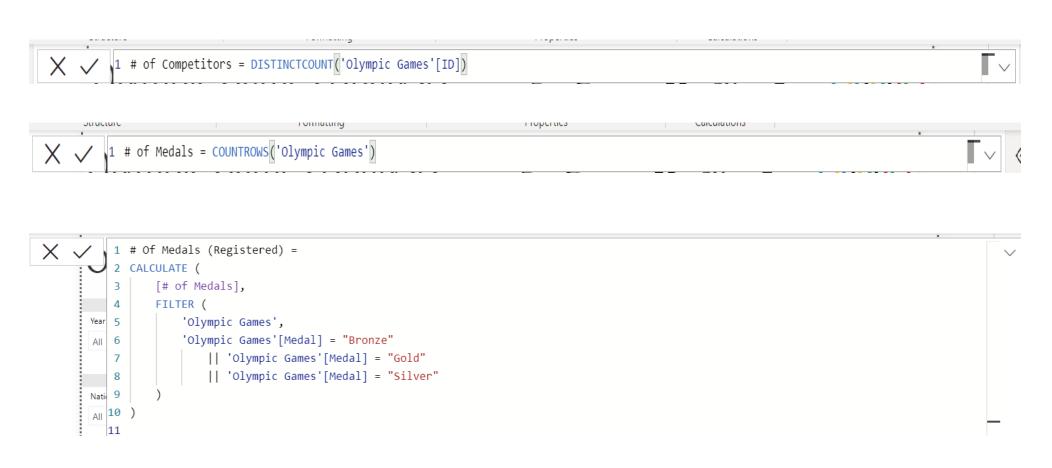
#### DESKTOP-RTUULRC: olympic\_games

ID	Competitor Name	Sex	Age	Age Grouping	Height	Weight	Nation Code	Year	Sport	Ev
1	A Dijiang	Male	24	18-25	180	80	CHN	1992	Basketball	Basketball Men's B
2	A Lamusi	Male	23	18-25	170	60	CHN	2012	Judo	Judo Men's Extra-l
3	Gunnar Nielsen Aaby	Male	24	18-25	null	null	DEN	1920	Football	Football Men's Foo
4	Edgar Lindenau Aabye	Male	34	OVER 30	null	null	DEN	1900	Tug-Of-War	Tug-Of-War Men's
8	Cornelia "Cor" Aalten (-Strannood)	Female	18	18-25	168	null	NED	1932	Athletics	Athletics Women's
8	Cornelia "Cor" Aalten (-Strannood)	Female	18	18-25	168	null	NED	1932	Athletics	Athletics Women's
10	Einar Ferdinand "Einari" Aalto	Male	26	25-30	null	null	FIN	1952	Swimming	Swimming Men's 4
12	Jyri Tapani Aalto	Male	31	OVER 30	172	70	FIN	2000	Badminton	Badminton Men's
13	Minna Maarit Aalto	Female	30	25-30	159	55.5	FIN	1996	Sailing	Sailing Women's V
13	Minna Maarit Aalto	Female	34	OVER 30	159	55.5	FIN	2000	Sailing	Sailing Women's V
15	Arvo Ossian Aaltonen	Male	22	18-25	null	null	FIN	1912	Swimming	Swimming Men's 2
15	Arvo Ossian Aaltonen	Male	22	18-25	null	null	FIN	1912	Swimming	Swimming Men's 4
15	Arvo Ossian Aaltonen	Male	30	25-30	null	null	FIN	1920	Swimming	Swimming Men's 2
15	Arvo Ossian Aaltonen	Male	30	25-30	null	null	FIN	1920	Swimming	Swimming Men's 4
15	Arvo Ossian Aaltonen	Male	34	OVER 30	null	null	FIN	1924	Swimming	Swimming Men's 2
17	Paavo Johannes Aaltonen	Male	28	25-30	175	64	FIN	1948	Gymnastics	Gymnastics Men's
17	Paavo Johannes Aaltonen	Male	28	25-30	175	64	FIN	1948	Gymnastics	Gymnastics Men's
17	Paavo Johannes Aaltonen	Male	28	25-30	175	64	FIN	1948	Gymnastics	Gymnastics Men's
17	Paavo Johannes Aaltonen	Male	28	25-30	175	64	FIN	1948	Gymnastics	Gymnastics Men's
17	Paavo Johannes Aaltonen	Male	28	25-30	175	64	FIN	1948	Gymnastics	Gymnastics Men's

Transform Data

Cancel

## Calculating Measure



Fields	>>								
Search     Se									
✓ 🖫 Calculation									
	# of Competitors								
	# of Medals								
	# Of Medals (Re								
✓圃 Olympic Games									
	Age								
	Age Grouping								
	Competitor Name								
	Event								
	Height								
	ID								
	Medal								
	Nation Code								
	Sex								
	Sport								
_ Σ	Weight								
	Year								

### Olympic Games Analysis

3











#### Analysis from Year 1896 - 2016

