

## Collect the Dataset:

Data contains all the meta information regarding the columns described in the CSV files. we have provided two CSV file:

- athlete\_events.csv
- noc\_regions.csv

use the link to download the dataset: [Link](#)

### athlete\_events.csv :

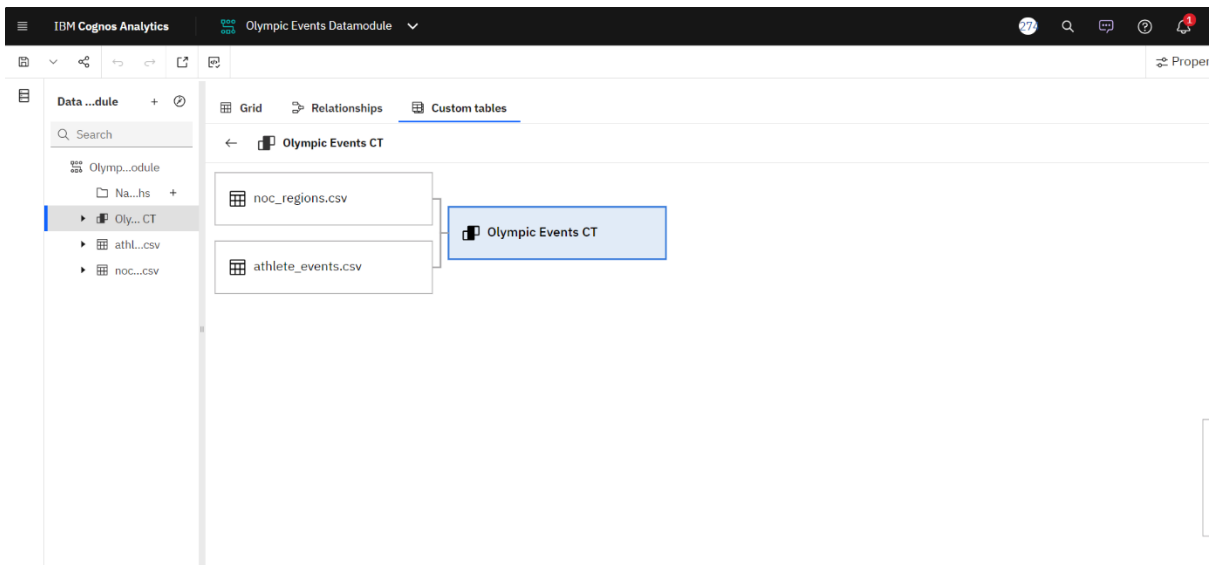
1	ID	Name	Sex	Age	Height	Weight	Team	NOC	Games	Year	Season	City	Sport	Event	Medal	
2		1 A Dijiang	M		24	180	80 China	CHN	1992 Sumr	1992	Summer	Barcelona	Basketball	Basketball Men's Basketball	NA	
3		2 A Lamusi	M		23	170	60 China	CHN	2012 Sumr	2012	Summer	London	Judo	Judo Men's Extra-Lightweight	NA	
4		3 Gunnar Nil	M		24	NA	NA	Denmark	DEN	1920 Sumr	1920	Summer	Antwerpen	Football	Football Men's Football	NA
5		4 Edgar Lind	M		34	NA	NA	Denmark	DEN	1900 Sumr	1900	Summer	Paris	Tug-Of-War	Tug-Of-War Men's Tug-Of-War	Gold
6		5 Christine J.F			21	185	82 Netherlands	NED	1988 Wint	1988	Winter	Calgary	Speed Skating	Speed Skating Women's 500 metres	NA	
7		5 Christine J.F			21	185	82 Netherlands	NED	1988 Wint	1988	Winter	Calgary	Speed Skating	Speed Skating Women's 1,000 metres	NA	
8		5 Christine J.F			25	185	82 Netherlands	NED	1992 Wint	1992	Winter	Albertville	Speed Skating	Speed Skating Women's 500 metres	NA	
9		5 Christine J.F			25	185	82 Netherlands	NED	1992 Wint	1992	Winter	Albertville	Speed Skating	Speed Skating Women's 1,000 metres	NA	
10		5 Christine J.F			27	185	82 Netherlands	NED	1994 Wint	1994	Winter	Lillehamm	Speed Skating	Speed Skating Women's 500 metres	NA	
11		5 Christine J.F			27	185	82 Netherlands	NED	1994 Wint	1994	Winter	Lillehamm	Speed Skating	Speed Skating Women's 1,000 metres	NA	
12		6 Per Knut A M			31	188	75 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA	
13		6 Per Knut A M			31	188	75 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 50 kilometres	NA	
14		6 Per Knut A M			31	188	75 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10/15 kilometres Pursuit	NA	
15		6 Per Knut A M			31	188	75 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 4 x 10 kilometres Relay	NA	
16		6 Per Knut A M			33	188	75 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA	
17		6 Per Knut A M			33	188	75 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA	
18		6 Per Knut A M			33	188	75 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 10/15 kilometres Pursuit	NA	
19		6 Per Knut A M			33	188	75 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 4 x 10 kilometres Relay	NA	
20		7 John Aalbe M			31	183	72 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA	
21		7 John Aalbe M			31	183	72 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 50 kilometres	NA	
22		7 John Aalbe M			31	183	72 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10/15 kilometres Pursuit	NA	
23		7 John Aalbe M			31	183	72 United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 4 x 10 kilometres Relay	NA	
24		7 John Aalbe M			33	183	72 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA	
25		7 John Aalbe M			33	183	72 United Sta	USA	1994 Wint	1994	Winter	Lillehamm	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA	

### noc\_regions.csv :

NOC	region	notes
AFG	Afghanistan	
AHO	Curacao	Netherlands Antilles
ALB	Albania	
ALG	Algeria	
AND	Andorra	
ANG	Angola	
ANT	Antigua	Antigua and Barbuda
ANZ	Australia	Australasia
ARG	Argentina	
ARM	Armenia	
ARU	Aruba	
ASA	American Samoa	
AUS	Australia	
AUT	Austria	
AZE	Azerbaijan	
BAH	Bahamas	
BAN	Bangladesh	
BAR	Barbados	
BDI	Burundi	
BEL	Belgium	
BEN	Benin	
BER	Bermuda	
BHU	Bhutan	
BIH	Bosnia and Herzegovina	

# Data Preparation :

## Custom tables:

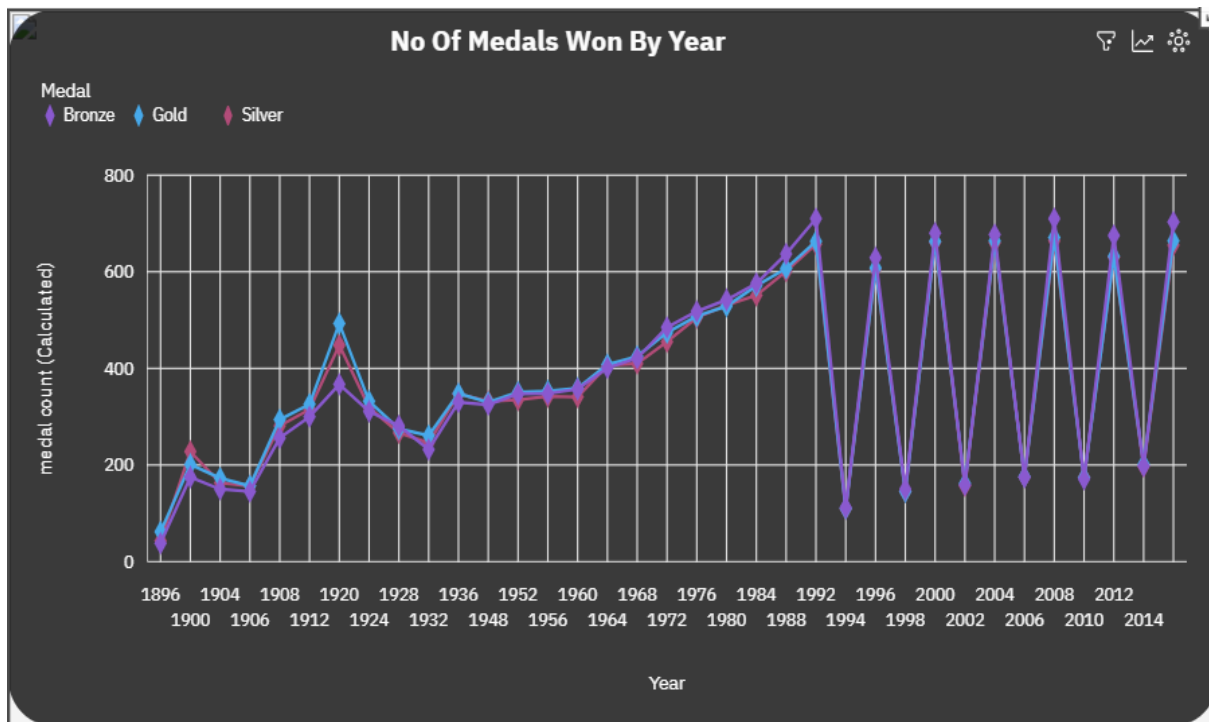


## Grid:

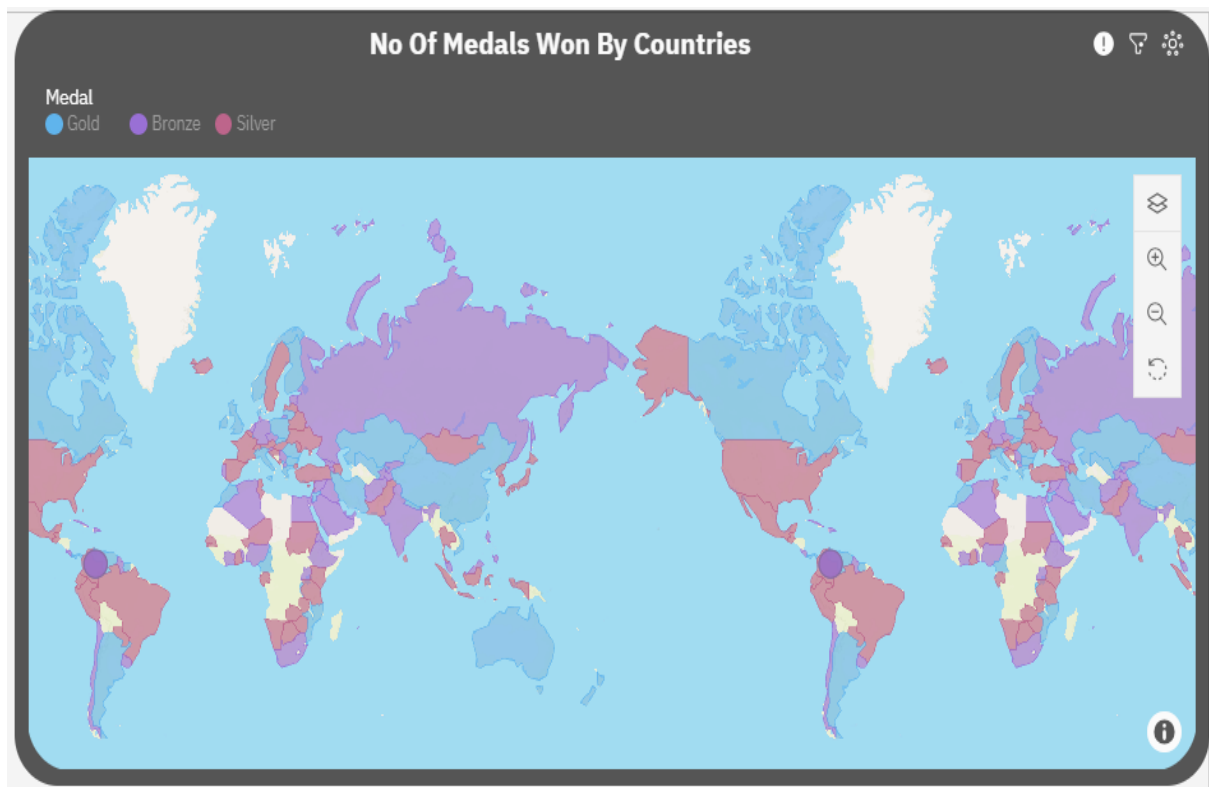
	region	sex	row id	id	name	sex	age	height	weight	team	NOC	Games	Year	Season	City	Sport	Event	Medal
42	China	N	1	1	A Chang	M	24	180	80	China	CHN	1992 Summer	1992	Summer	Barcelona	Basketball	Basketball Men's Basketball	NA
42	China	N	2	2	A Lianou	M	23	170	60	China	CHN	2002 Summer	2002	Summer	London	Judo	Judo Men's Extra (Openweight)	NA
56	Denmark	N	3	3	Gunnar Nielsen-Rybo	M	24	175.5289687366276	75.70222709032352	Denmark	DSN	1920 Summer	1920	Summer	Antwerpen	Football	Football Men's Football	NA
56	Denmark	N	4	4	Edgar Lindqvist-Rybo	M	34	175.5289687366276	75.70222709032352	Denmark/Sweden	DSN	1900 Summer	1900	Summer	Paris	Tug Of War	Tug Of War Men's Tug Of War	Gold
566	Netherlands	N	5	5	Christine Jacobs-Audink	F	21	185	82	Netherlands	NED	1988 Winter	1988	Winter	Calgary	Speed Skating	Speed Skating Women's 500 metres	NA
566	Netherlands	N	6	5	Christine Jacobs-Audink	F	21	185	82	Netherlands	NED	1988 Winter	1988	Winter	Calgary	Speed Skating	Speed Skating Women's 1,000 metres	NA
566	Netherlands	N	7	5	Christine Jacobs-Audink	F	25	185	82	Netherlands	NED	1992 Winter	1992	Winter	Albertville	Speed Skating	Speed Skating Women's 1,000 metres	NA
566	Netherlands	N	8	5	Christine Jacobs-Audink	F	25	185	82	Netherlands	NED	1992 Winter	1992	Winter	Albertville	Speed Skating	Speed Skating Women's 1,500 metres	NA
566	Netherlands	N	9	5	Christine Jacobs-Audink	F	27	185	82	Netherlands	NED	1994 Winter	1994	Winter	Lillehammer	Speed Skating	Speed Skating Women's 1,500 metres	NA
566	Netherlands	N	10	5	Christine Jacobs-Audink	F	27	185	82	Netherlands	NED	1994 Winter	1994	Winter	Lillehammer	Speed Skating	Speed Skating Women's 2,000 metres	NA
217	USA	N	11	6	Pat Knut-Roland	M	21	188	75	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA
217	USA	N	12	6	Pat Knut-Roland	M	21	188	75	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 15 kilometres	NA
217	USA	N	13	6	Pat Knut-Roland	M	21	188	75	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA
217	USA	N	14	6	Pat Knut-Roland	M	21	188	75	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 45 kilometres	NA
217	USA	N	15	6	Pat Knut-Roland	M	23	188	75	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA
217	USA	N	16	6	Pat Knut-Roland	M	23	188	75	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 15 kilometres	NA
217	USA	N	17	6	Pat Knut-Roland	M	23	188	75	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA
217	USA	N	18	6	Pat Knut-Roland	M	23	188	75	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 45 kilometres	NA
217	USA	N	19	7	John Aulberg	M	21	183	72	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA
217	USA	N	20	7	John Aulberg	M	21	183	72	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 15 kilometres	NA
217	USA	N	21	7	John Aulberg	M	21	183	72	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA
217	USA	N	22	7	John Aulberg	M	21	183	72	United States	USA	1992 Winter	1992	Winter	Albertville	Cross Country Skiing	Cross Country Skiing Men's 45 kilometres	NA
217	USA	N	23	7	John Aulberg	M	23	183	72	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA
217	USA	N	24	7	John Aulberg	M	23	183	72	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 15 kilometres	NA
217	USA	N	25	7	John Aulberg	M	23	183	72	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 30 kilometres	NA
217	USA	N	26	7	John Aulberg	M	23	183	72	United States	USA	1994 Winter	1994	Winter	Lillehammer	Cross Country Skiing	Cross Country Skiing Men's 45 kilometres	NA
566	Netherlands	N	27	8	Corineke "Toni" Aalderik (Jansma)	F	18	168	55.70222709032352	Netherlands	NED	2002 Summer	2002	Summer	Los Angeles	Athletics	Athletics Women's 100 metres	NA
566	Netherlands	N	28	8	Corineke "Toni" Aalderik (Jansma)	F	18	168	55.70222709032352	Netherlands	NED	2002 Summer	2002	Summer	Los Angeles	Athletics	Athletics Women's 4 x 100 metres Relay	NA
69	Finland	N	29	9	Antti Sainio-Aalto	M	26	186	96	Finland	FIN	2002 Winter	2002	Winter	Salt Lake City	Ice Hockey	Ice Hockey Men's Ice Hockey	NA
69	Finland	N	30	10	Ernst Oskar-Aalto "Einar" Aalto	M	26	175.5289687366276	75.70222709032352	Finland	FIN	1992 Summer	1992	Summer	Helsinki	Swimming	Swimming Men's 400 metres Freestyle	NA
69	Finland	N	31	11	Jorma Einar-Aalto	M	22	182	76.5	Finland	FIN	1980 Winter	1980	Winter	Lake Placid	Cross Country Skiing	Cross Country Skiing Men's 10 kilometres	NA
69	Finland	N	32	12	Jari Tapio-Aalto	M	31	172	70	Finland	FIN	2000 Summer	2000	Summer	Sydney	Badminton	Badminton Men's Singles	NA
69	Finland	N	33	13	Hanna Pääkkö-Aalto	F	30	159	55.5	Finland	FIN	1996 Summer	1996	Summer	Atlanta	Sailing	Sailing Women's Star	NA
69	Finland	N	34	13	Hanna Pääkkö-Aalto	F	34	159	55.5	Finland	FIN	2000 Summer	2000	Summer	Sydney	Sailing	Sailing Women's Firebird	NA
69	Finland	N	35	14	Olav Henrik-Aalto (Mäkelä)	F	32	171	65	Finland	FIN	1994 Winter	1994	Winter	Lillehammer	Biathlon	Biathlon Women's 1.5 kilometres Sprint	NA
69	Finland	N	36	15	Anni Oskari-Aalto	M	22	175.5289687366276	75.70222709032352	Finland	FIN	1992 Summer	1992	Summer	Stockholm	Swimming	Swimming Men's 200 metres Breaststroke	NA
69	Finland	N	37	15	Anni Oskari-Aalto	M	22	175.5289687366276	75.70222709032352	Finland	FIN	1992 Summer	1992	Summer	Stockholm	Swimming	Swimming Men's 400 metres Breaststroke	NA
69	Finland	N	38	15	Anni Oskari-Aalto	M	30	175.5289687366276	75.70222709032352	Finland	FIN	2000 Summer	2000	Summer	Antwerpen	Swimming	Swimming Men's 400 metres Breaststroke	Bronze
69	Finland	N	39	15	Anni Oskari-Aalto	M	30	175.5289687366276	75.70222709032352	Finland	FIN	2000 Summer	2000	Summer	Antwerpen	Swimming	Swimming Men's 800 metres Breaststroke	Bronze
69	Finland	N	40	15	Anni Oskari-Aalto	M	34	175.5289687366276	75.70222709032352	Finland	FIN	2004 Summer	2004	Summer	Paris	Swimming	Swimming Men's 200 metres Breaststroke	NA
69	Finland	N	41	16	Leif Erik-Aalto	M	26	181	85	Finland	FIN	2004 Winter	2004	Winter	Sochi	Ice Hockey	Ice Hockey Men's Ice Hockey	Bronze
69	Finland	N	42	17	Petri Johannes-Aalto	M	26	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Individual All-around	Bronze
69	Finland	N	43	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Team All-around	NA
69	Finland	N	44	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Floor All-around	NA
69	Finland	N	45	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Horse Vault	Gold
69	Finland	N	46	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Parallel Bars	NA
69	Finland	N	47	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Horizontal Bar	NA
69	Finland	N	48	17	Petri Johannes-Aalto	M	28	175	64	Finland	FIN	1980 Summer	1980	Summer	London	Gymnastics	Gymnastics Men's Rings	NA

## Data Visualizations :

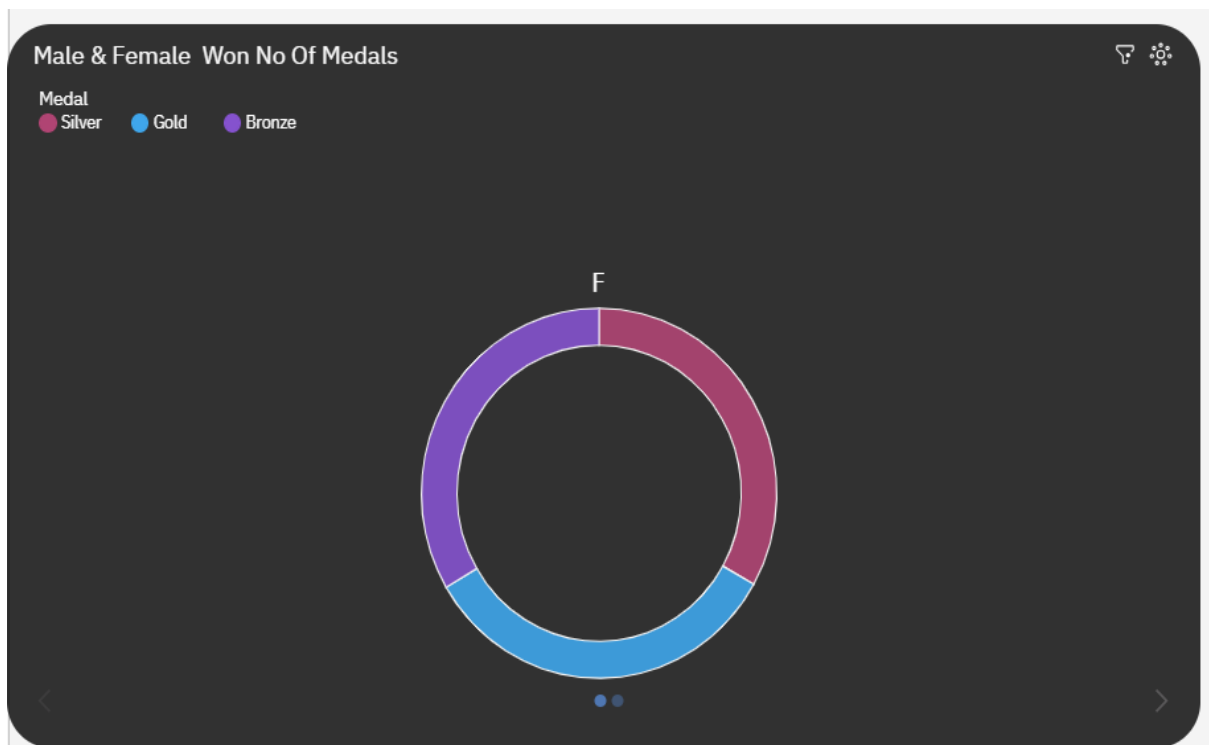
No Of Medals Won By Year :



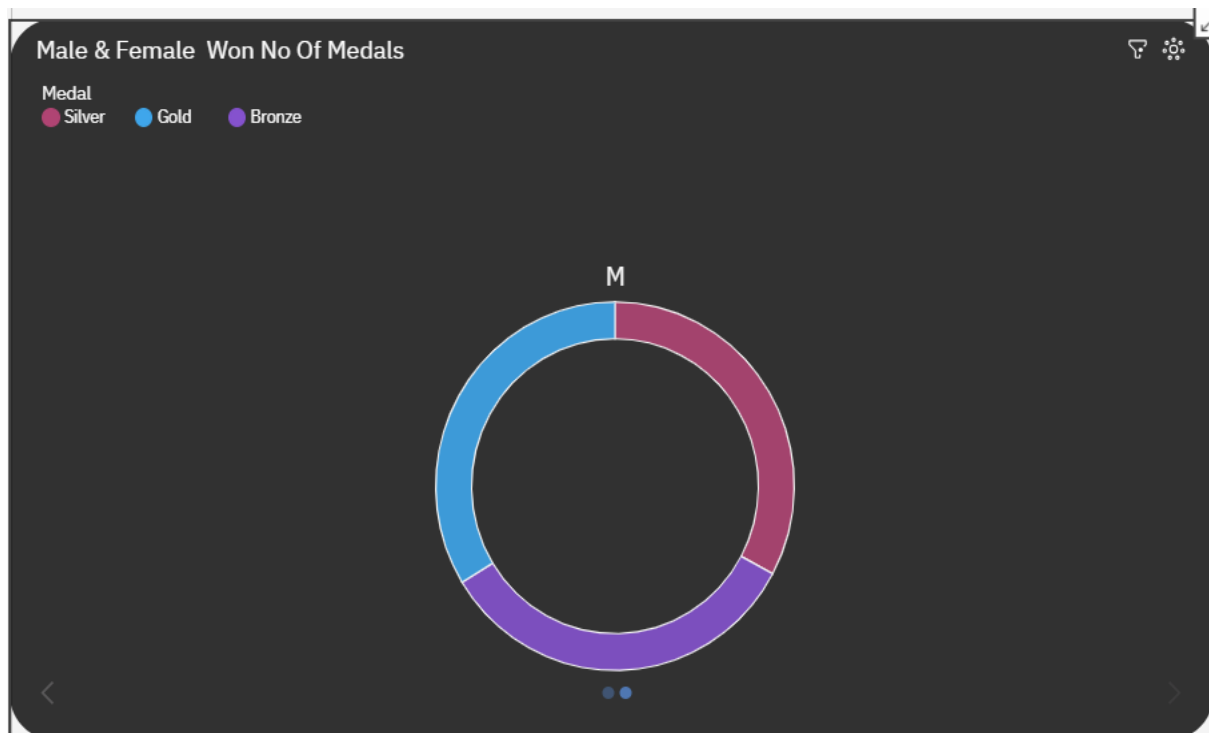
No Of Medals Won By Countries :



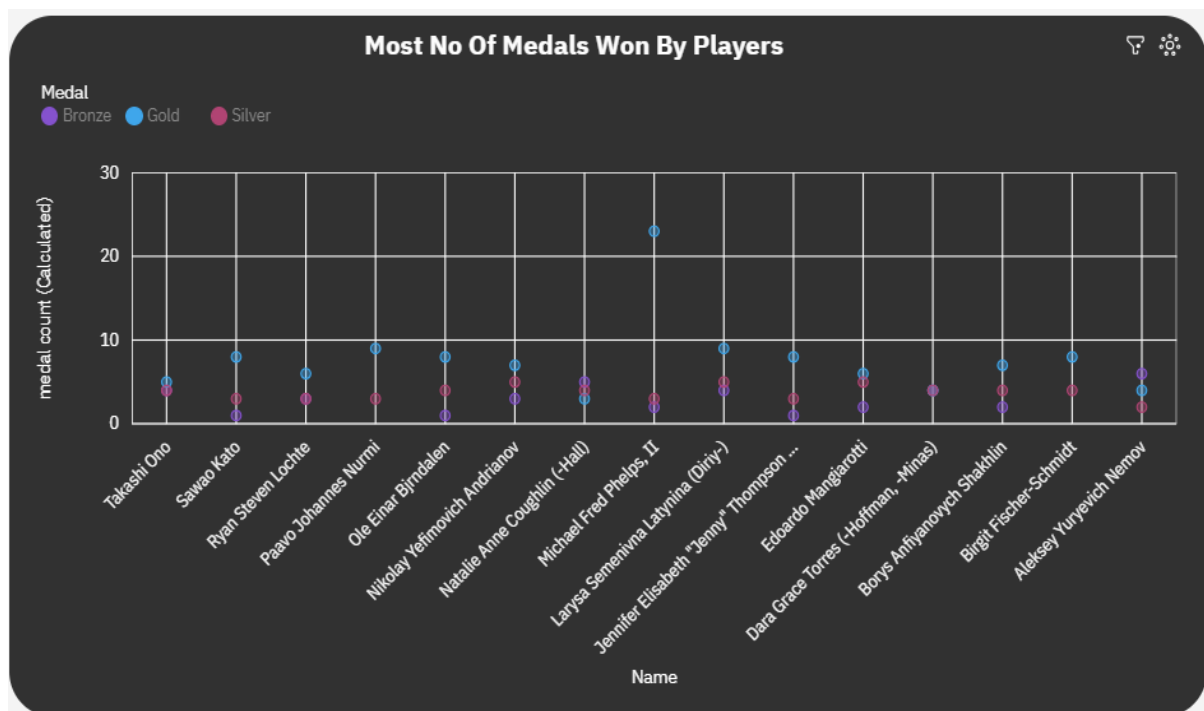
## Female Won No Of Medals :



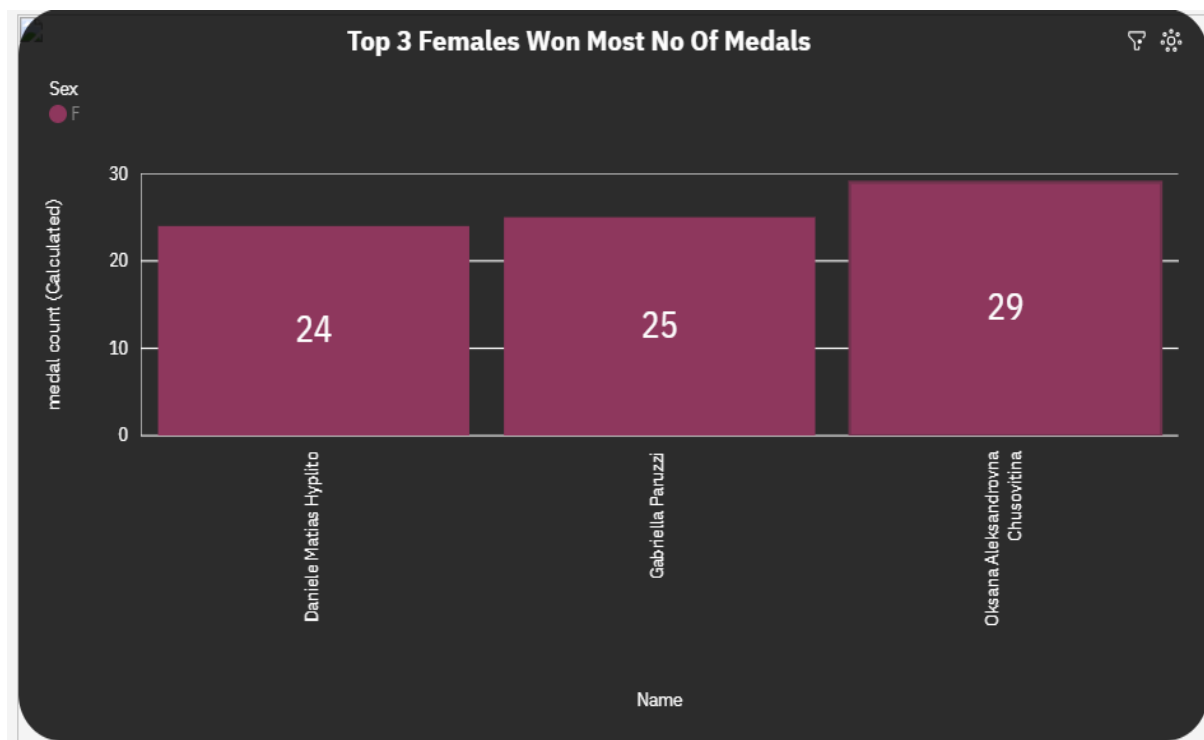
## Male Won No O f Medals :



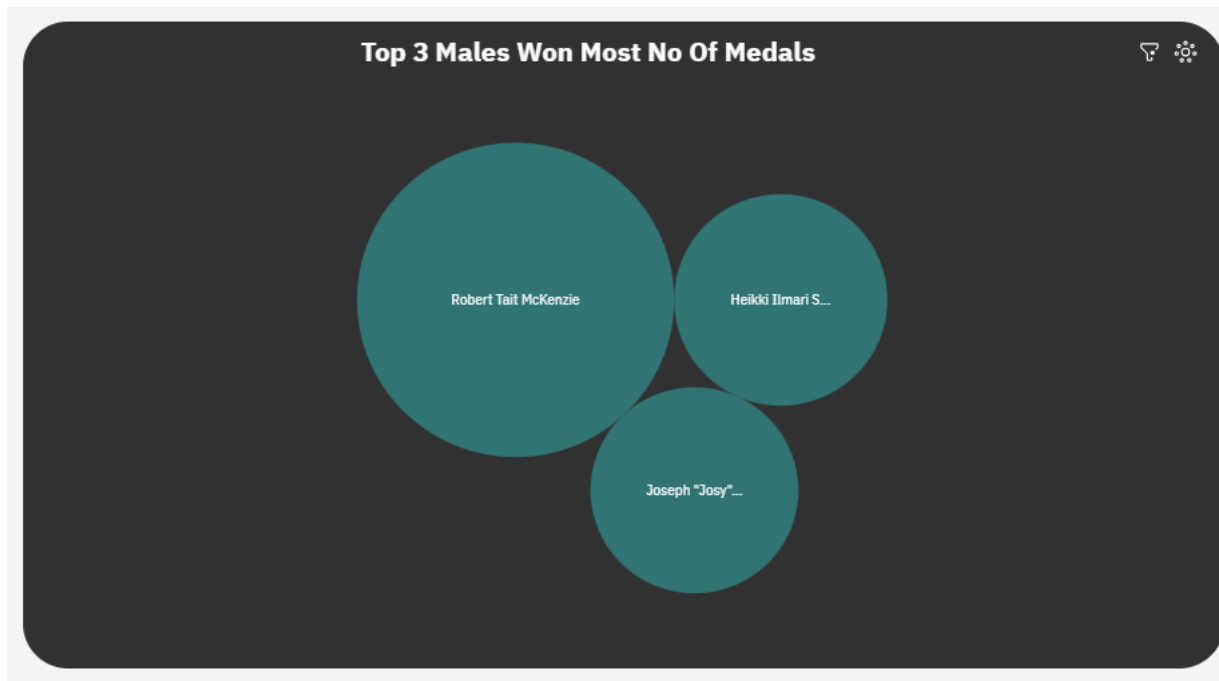
## No Of Medals Won By Players :



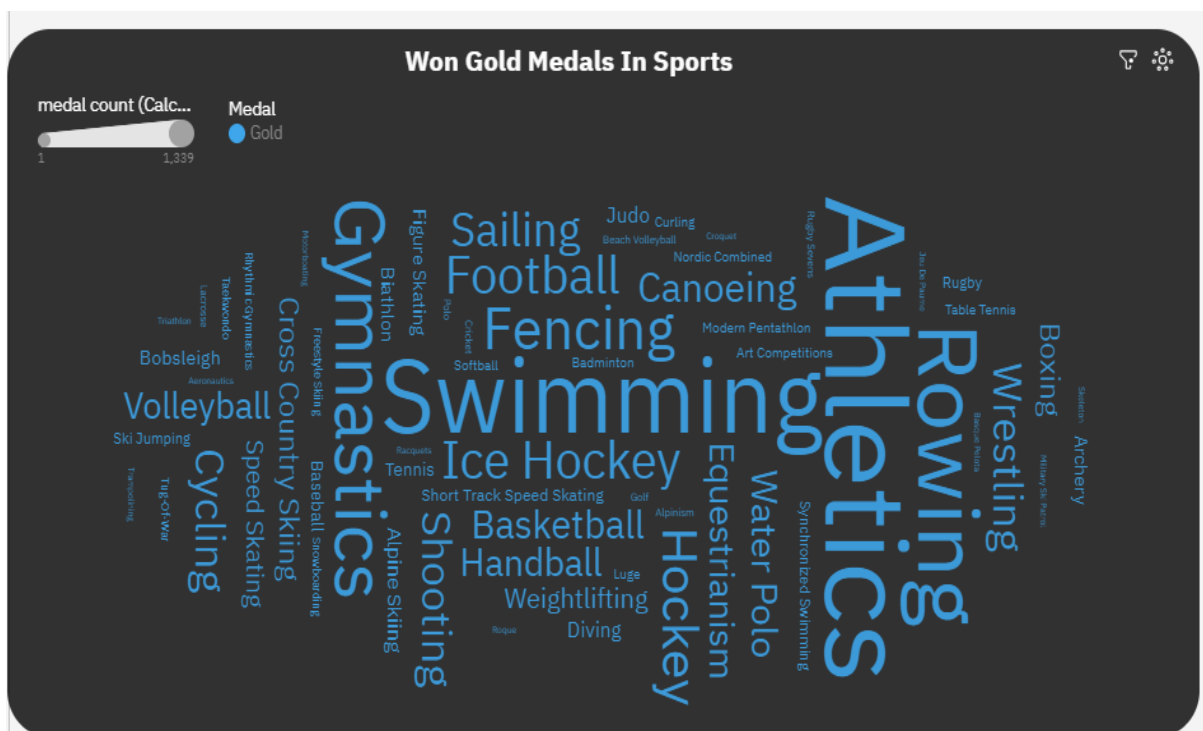
## Top 3 Female Won Most No Of Medals :



### Top 3 Male Won Most No Of Medals :



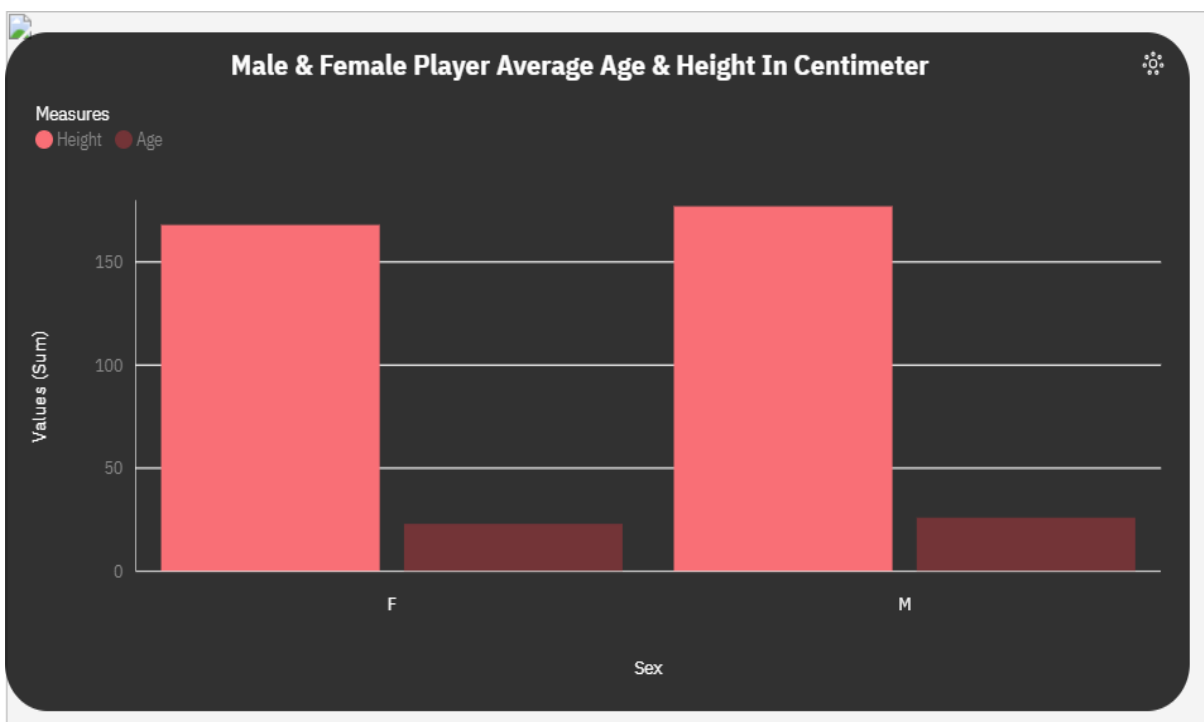
Won Gold Medals In Sports :



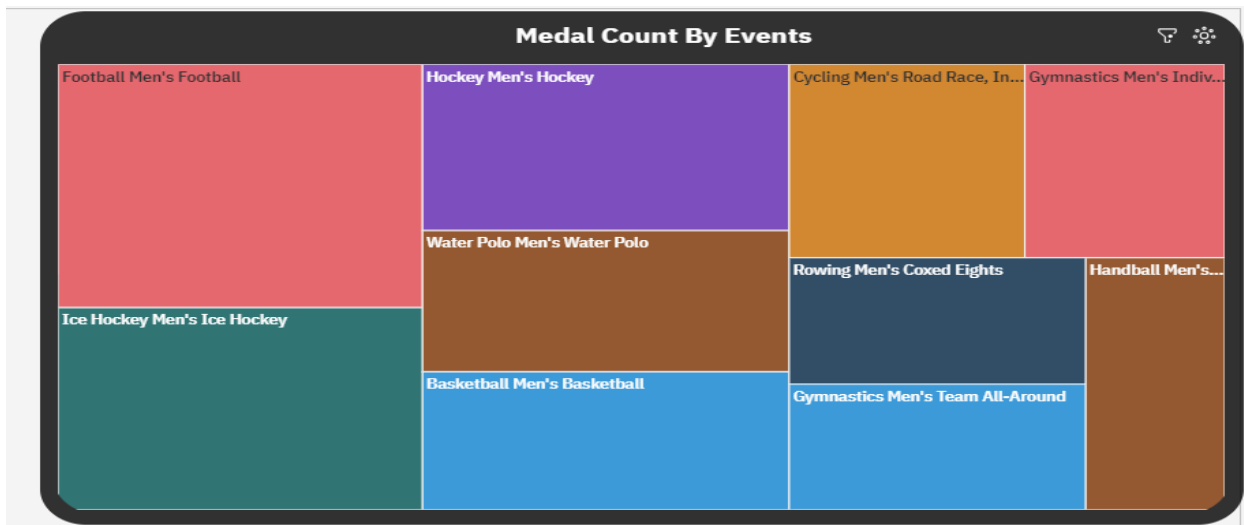
### Won Silver Medals In Sports :



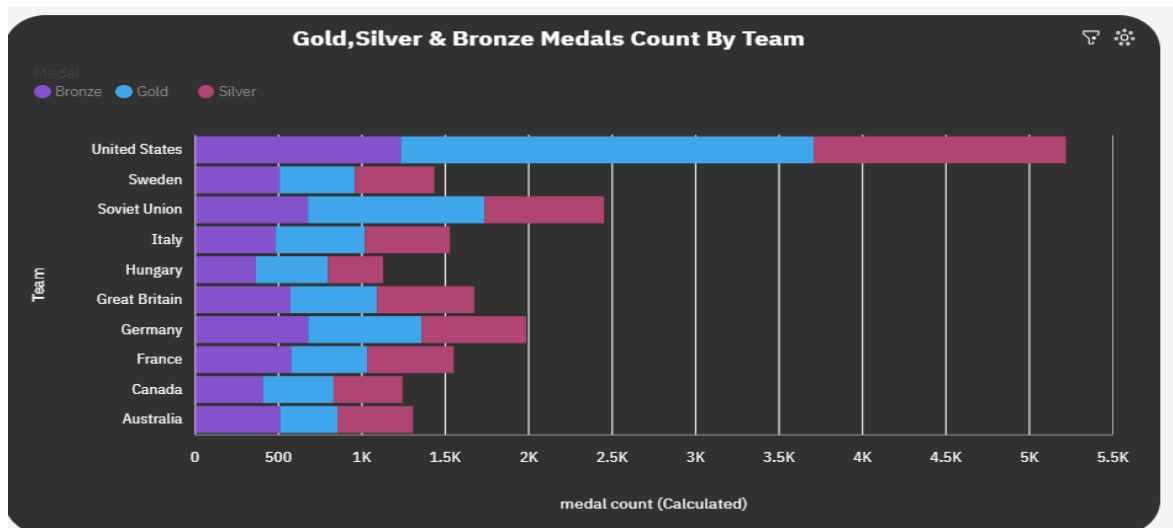
Male & Female Players Average Age & Height In Centimeter :



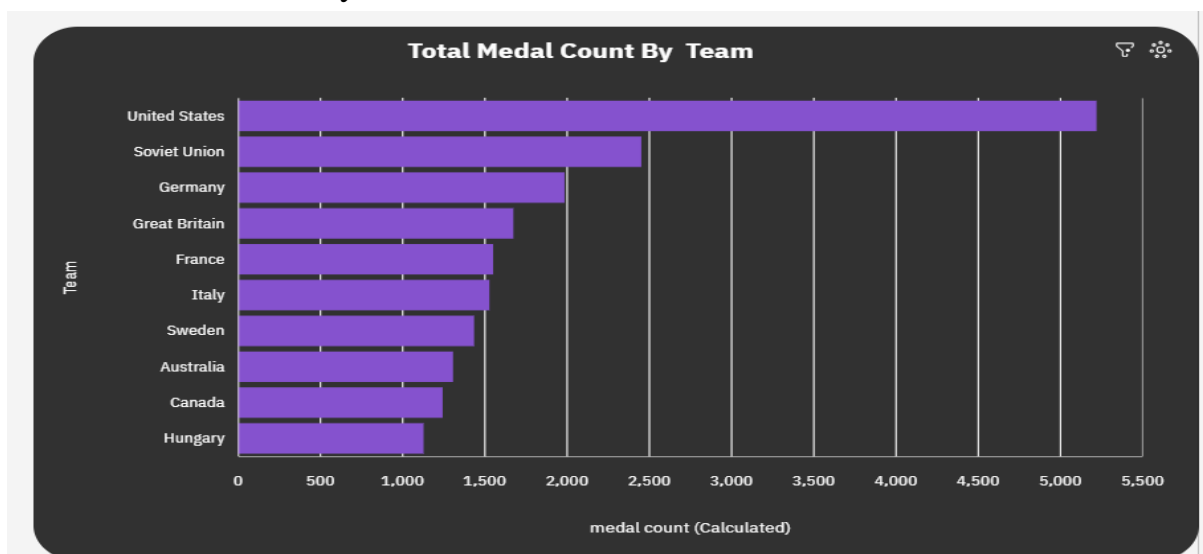
## Medal Count By Events :



## Gold,Silver & Bronze Medals Count By Team :



## Total Medals Count By Team :





The above Data visualization is the process of creating graphical representations of data in order to help people understand and explore the information. The goal of data visualization is to make complex data sets more accessible, intuitive, and easier to interpret. By using visual elements such as charts, graphs, and maps, data visualizations can help people quickly identify patterns, trends, and outliers in the data.