

Olympics Analysis: How have the Olympics Changed Over Time?

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Github: <https://github.com/Kev-clark/Project-2>

Data Source:

<https://www.kaggle.com/heesoo37/120-years-of-olympic-history-athletes-and-results>

Data Summary:

The dataset we found contains every male and female participant information that has competed in the Summer and Winter Olympic games since Athens 1896 up until Rio 2016. The data set is composed of two CSV files, one containing the athletes information (such as sex, age, event, year, and if they medaled) and the second containing the NOC (National Olympic Committee 3 letter code) and the country name. We chose this dataset because the dataset looked clean and could provide many unique visualizations. We would like to show how the Olympics has changed over time, including the countries that win the most medals, and how the average dimensions of the Olympic athlete has changed over time.

MetaData:

CSV 1:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
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	NA
3	2	A Lamusi	M	23	170	60	China	CHN	2012 Sumr	2012	Summer	London	Judo	Judo Men'	NA
4	3	Gunnar Nil	M	24	NA	NA	Denmark	DEN	1920 Sumr	1920	Summer	Antwerper	Football	Football M	NA
5	4	Edgar Lind	M	34	NA	NA	Denmark'	DEN	1900 Sumr	1900	Summer	Paris	Tug-Of-W	Tug-Of-W	Gold
6	5	Christine J.	F	21	185	82	Netherlan	NED	1988 Wint	1988	Winter	Calgary	Speed Skat	Speed Skat	NA
7	5	Christine J.	F	21	185	82	Netherlan	NED	1988 Wint	1988	Winter	Calgary	Speed Skat	Speed Skat	NA
8	5	Christine J.	F	25	185	82	Netherlan	NED	1992 Wint	1992	Winter	Albertville	Speed Skat	Speed Skat	NA
9	5	Christine J.	F	25	185	82	Netherlan	NED	1992 Wint	1992	Winter	Albertville	Speed Skat	Speed Skat	NA
10	5	Christine J.	F	27	185	82	Netherlan	NED	1994 Wint	1994	Winter	Lillehamm	Speed Skat	Speed Skat	NA
11	5	Christine J.	F	27	185	82	Netherlan	NED	1994 Wint	1994	Winter	Lillehamm	Speed Skat	Speed Skat	NA
12	6	Per Knut A	M	31	188	75	United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Coui	Cross Coui	NA
13	6	Per Knut A	M	31	188	75	United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Coui	Cross Coui	NA
14	6	Per Knut A	M	31	188	75	United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Coui	Cross Coui	NA
15	6	Per Knut A	M	31	188	75	United Sta	USA	1992 Wint	1992	Winter	Albertville	Cross Coui	Cross Coui	NA

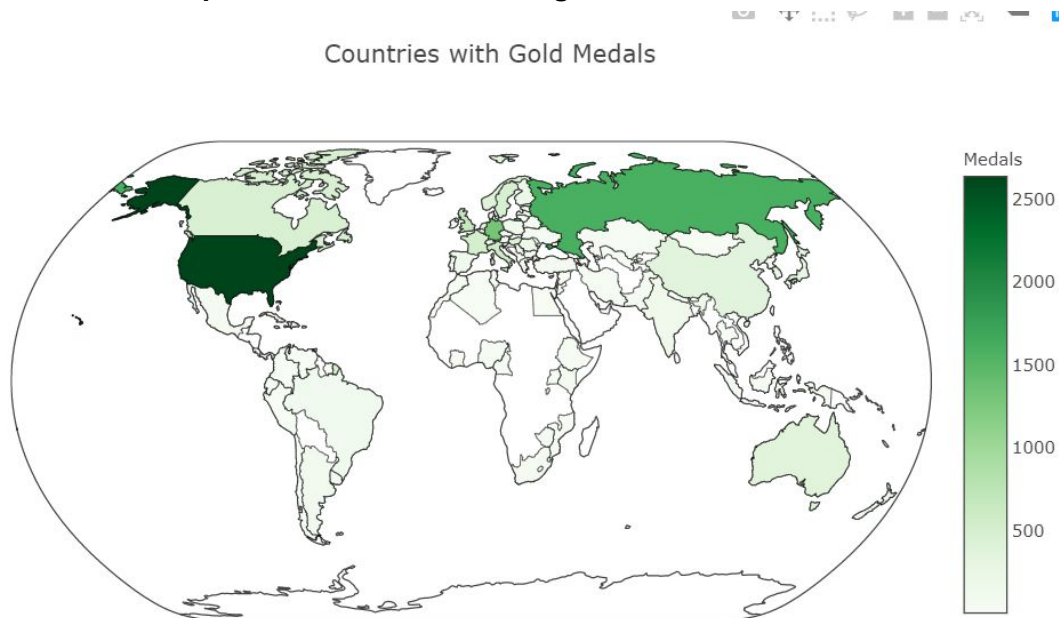
CSV 2:

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		

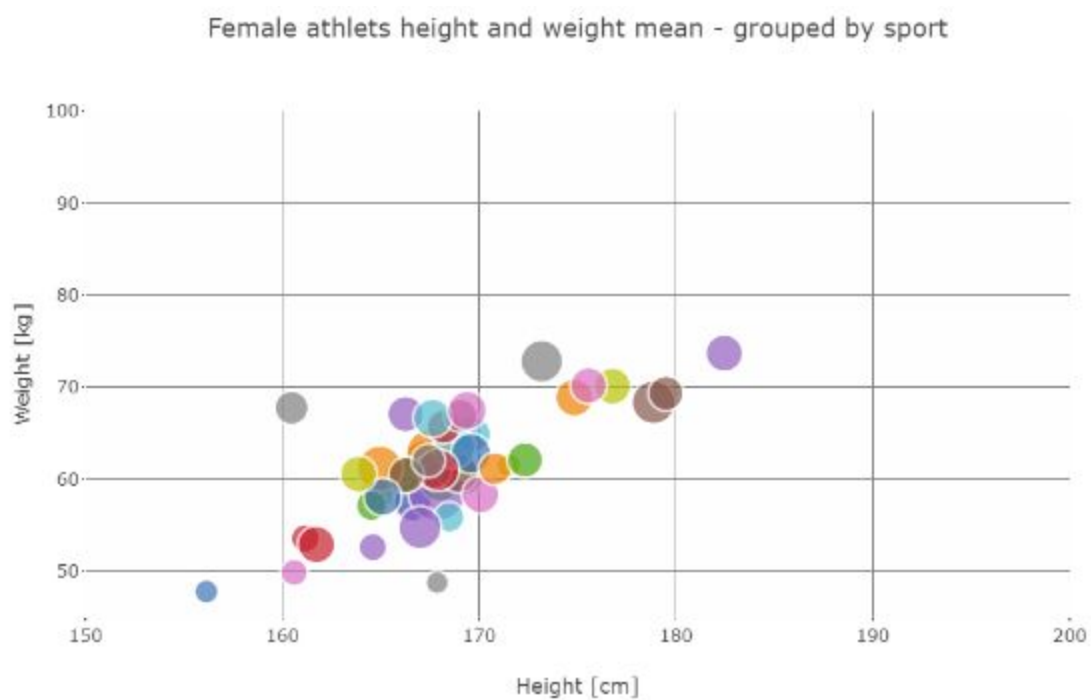
Charts for Inspiration:

We are planning on taking further steps with both charts to add more dynamic filters.

Visualization 1: Map of the world showcasing the results of different countries over time.



Visualization 2: Biometrics of the Average Olympic Athletes over time.



Schema of Final Design:

Header - with dropdowns to change visualizations below

Chart Title: changed with d3

Chart area - controlled with d3 listeners on
dropdown

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