

Summer Olympic - EDA

#### Dataset info

Number of variables	10
Number of observations	31163
Total Missing (%)	0.0%
Total size in memory	2.4 MiB
Average record size in memory	80.0 B

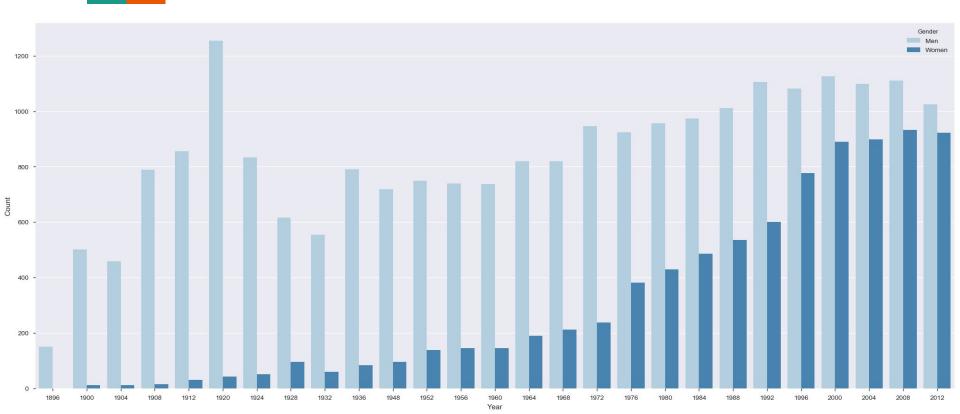
#### Warnings

Athlete has a high cardinality: 22762 distinct values Warning Country has a high cardinality: 147 distinct values Warning Discipline has a high cardinality: 67 distinct values Warning Event has a high cardinality: 666 distinct values Warning Year is highly correlated with index ( $\rho = 0.97064$ ) Rejected

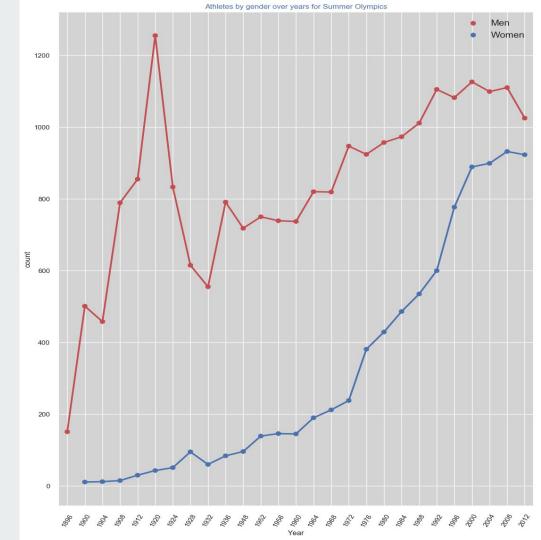
#### Variables types

Numeric	1
Categorio	al 8
Boolean	0
Date	0
Text (Unic	<b>jue)</b> 0
Rejected	1
Column Name	Description
Year	Olympic Season Year
City	City where games held
Sport	
Sport	Sport category
Discipline	Sport category  Name of Sport
500 P 200 P 200 P	
Discipline	Name of Sport
Discipline Athlete	Name of Sport Name of Athlete
Discipline Athlete Country	Name of Sport Name of Athlete Athlete's Country
Discipline Athlete Country Gender	Name of Sport  Name of Athlete  Athlete's Country  Sex of Athlete

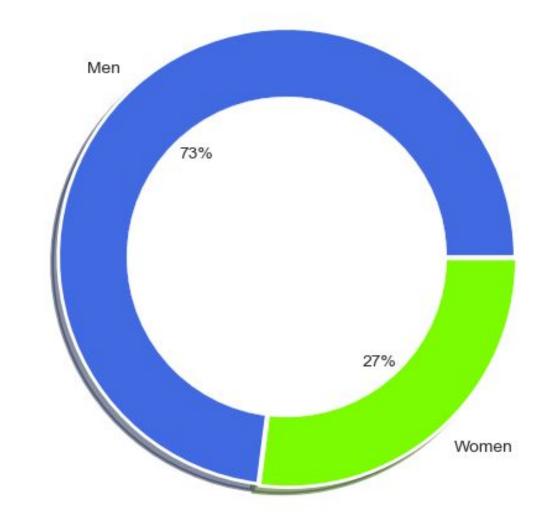
#### How is the gender participation in Summer Olympics, since 1896?



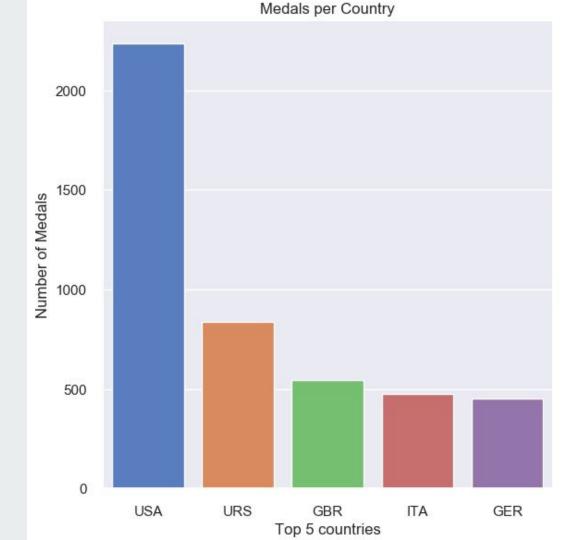
Athletes participation by gender over years for Olympics



Overall
Gender
Distribution
for
Summer
Olympics



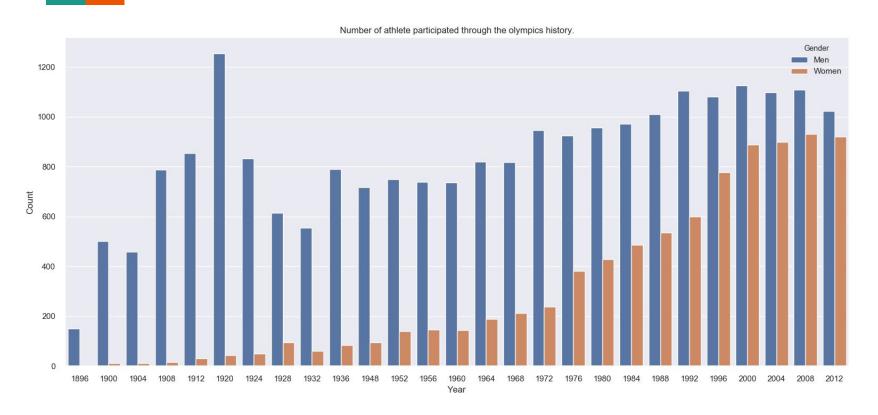
### Top 5 Countries - GOLD Medals



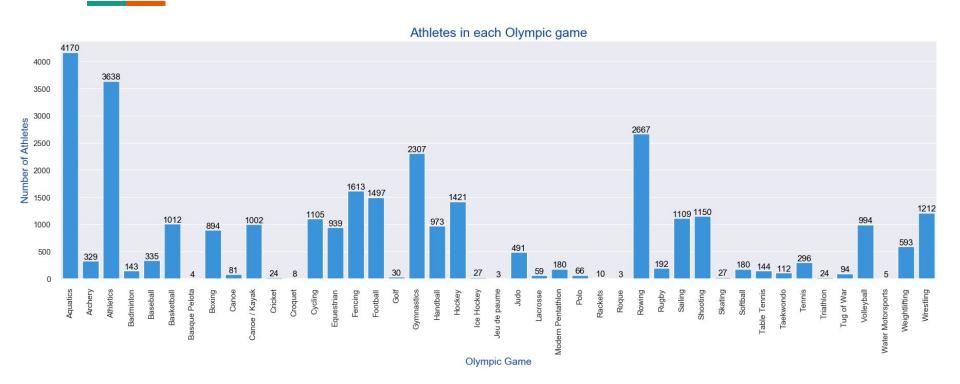


#### **TOP 10 Countries with total medals**

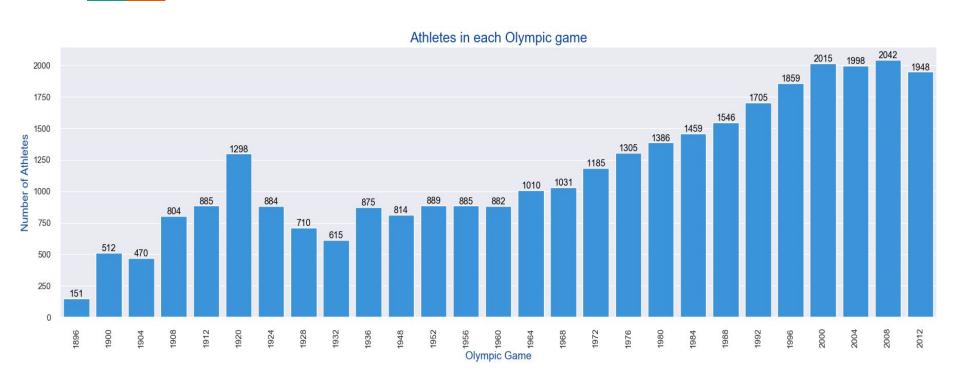
#### Number of Athletes participation along time



#### Athlete participation in each sport in Summer Olympics

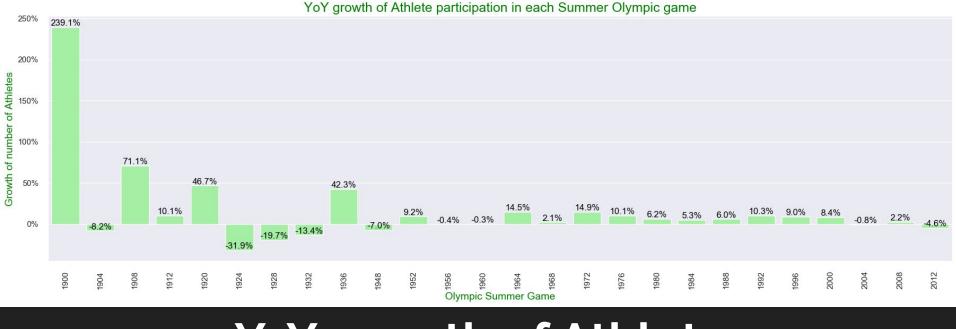


#### **Total Athlete participation in each Summer Olympic**



Distribution of Athlete, Sport and Events across each Summer Olympic



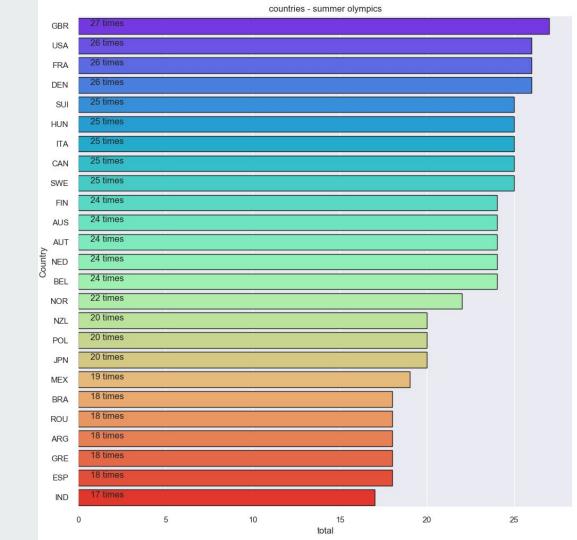


# YoY growth of Athlete participation in each Summer Olympic game

Number of events in each sport over years [Heatmap]

[Heatmap] Number of events in each sport over years																												
	Athletics	12	23	25	26	30	29	27	22	24	24	25	25	25	25	26	26	26	25	26	27	27	28	27	27	27	27	27
	Aquatics	4	8	11	9	12	12	11	10	10	10	10	10	12	13	15	19	19	18	18	21	22	22	21	24	24	25	25
	Wrestling	1	0	7	8	5		13	13	8	8	11	11	11	11	9	9	10	10	10	10	10	10	10	8	11	11	17
	Weightlifting	2	0	2	0	0	5	5	5	5	5	6	7	7	7	7	7	9	9	10	10	10	10	10	14	14	14	14
	Canoe	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	14
	Judo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	6	6	8	8	7	14	14	14	14	14	14
	Boxing	0	0	7	5	0	8	8	8	8	8	8	10	10	10	10	11	11	11	11	12	12	12	12	12	11	11	13
	Gymnastics	8	1	11	2	4	4	9	7	11	8	8	11	11	10	10	10	10	10	10	10	10	10	11	12	12	12	12
	Shooting	5	9	0	15	18	21	10	0	2	3	4						8			11	13	13	15	17	17	15	10
	Cycling	6	2	7	6	2		6											6	6		8	8	9	13	13	12	9
	Rowing	0	4	5	4	4	5	7	7	7	7	7	7	7	7	7	7	7	10	10	10	9	10	9	9	9	9	8
	Taekwondo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8
	Sailing	0	4	0	4	4	14	3	3	4	4	5	5	5	5	5	5					7	8	8	9	9	9	8
	Fencing	3	7	5	4		6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Tennis	2	3	2	4	6	3	3	0	0		0	0	0			0		0	0		2	2	2		2		3
	Table Tennis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2		2		2
	Archery	0			3	0	10	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2
	Badminton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2
	Equestrian	0	3	0	0	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Volleyball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2
	Handball	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Sport	Hockey	0	0	0	1	0	1	0	1	1		1	1	1		1	1	1	1	1		1	1	1	1	1	1	1
)	Football	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M	lodern Pentathlon	0	0	0	0		1	1	1	1		1	2	2			2			2		2	2	1		1		1
	Basketball	0	0	0	0	0	0	0	0	0		1	1	1			1		1	1		1	1	1		1		1
	Triathlon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		1
	Tug of War	0	1	1	1		1	0	0	0		0	0	0			0		0	0		0	0	0	0	0	0	0
W	Vater Motorsports	0	0	0	3	0	0	0	0	0		0	0	0			0		0	0		0	0	0	0	0		0
	Softball	0	0	0	0	0	0	0	0	0		0	0	0			0		0	0		0	0	1		1		0
	Skating	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lacrosse	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rugby	0	1	0	1	0	1	1	0	0		0	0	0			0		0	0		0	0	0	0	0		0
	Roque	0	0	1	0	0	0	0	0	0		0	0	0			0		0	0		0	0	0	0	0	0	0
	Rackets	0	0	0	2	0	0	0	0	0		0	0	0			0		0	0		0	0	0		0		0
	Polo	0	1	0	1	0	1	1	0	0		0	0	0			0		0	0		0	0	0	0	0		0
	Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0			0		0	0		0	1	1		1		0
	Ice Hockey	0	0	0	0	0	1	0	0	0		0	0	0			0		0	0		0	0	0	0	0	0	0
	Golf	0	1	2	0	0	0	0	0	0		0	0	0			0		0	0		0	0	0		0		0
	Croquet	0	3	0	0		0	0	0	0		0	0	0			0		0	0		0	0	0		0		0
	Cricket	0	1	0	0	0	0	0	0	0		0	0	0			0		0	0		0	0	0		0		0
	Canoe / Kayak	0	0	0	0	0	0	0	0	0	9	9	9	9	7	7	7	10	9	9	10	10	13	13	13	13	13	0
	Basque Pelota	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jeu de paume	0	0	0	1	0	0	0	0	0		0	0	0			0		0	0		0	0	0		0		0
				4004	4000	1912	4000			4000																		

Nations with highest number of participation in olympics



## Events held in summer olympics

