

Anthropometry of Olympic Athletes

Anthropometry?



an·thro·pom·e·try

/ˌanTHrəˈpämətrē/

noun

the scientific study of the measurements and proportions of the human body.



THE BIG QUESTION?

Are there differences in anthropometrics amongst men/women in different Olympic sports?

How Will We Answer This Question?

Import and Explore Data
from Data Set (Kaggle)

1

Analyze and Transform
Data

3

Run Statistical Analysis

5

2

Filter Data Set (removing
outliers and missing
values)

4

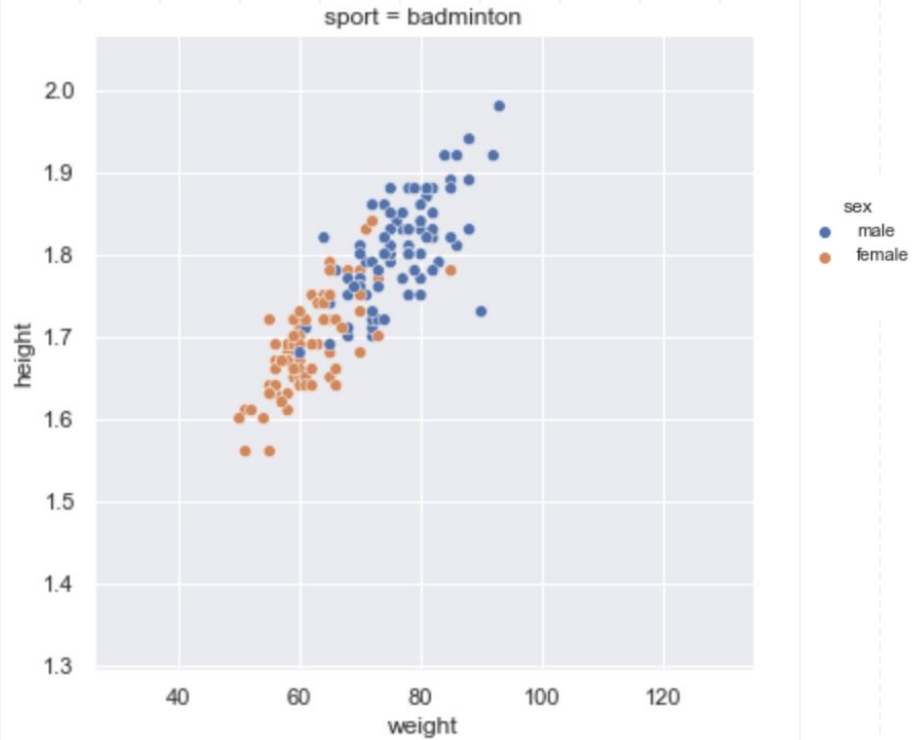
Analyze Data for
differences in heights and
weights between genders
and different olympic
sports

6

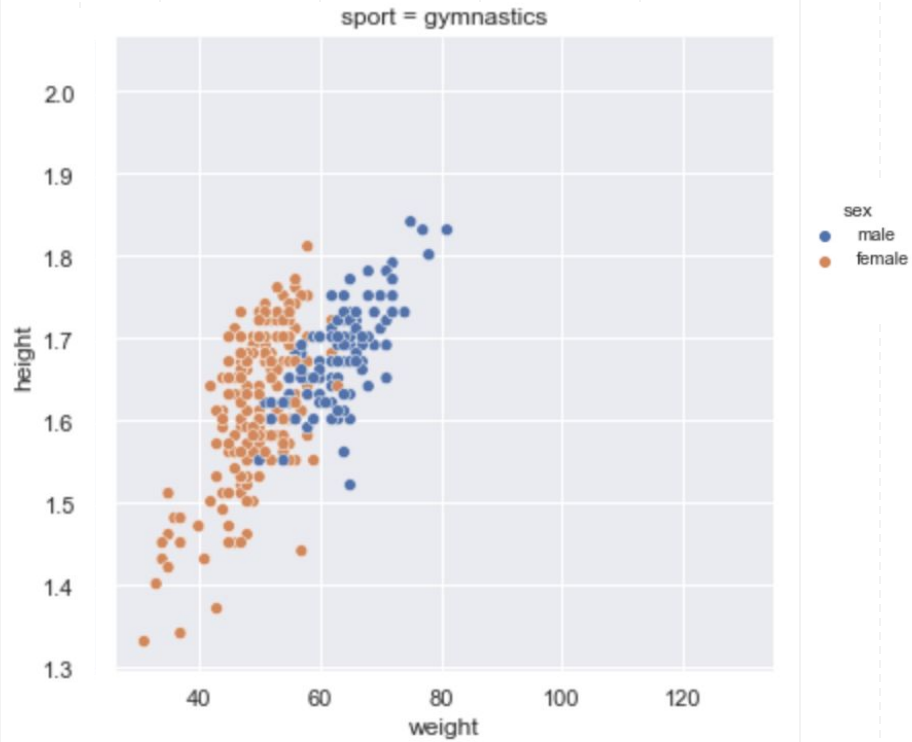
Develop Visualizations for
greater understanding

The Data was Imported, Explored, and Analyzed to Develop...

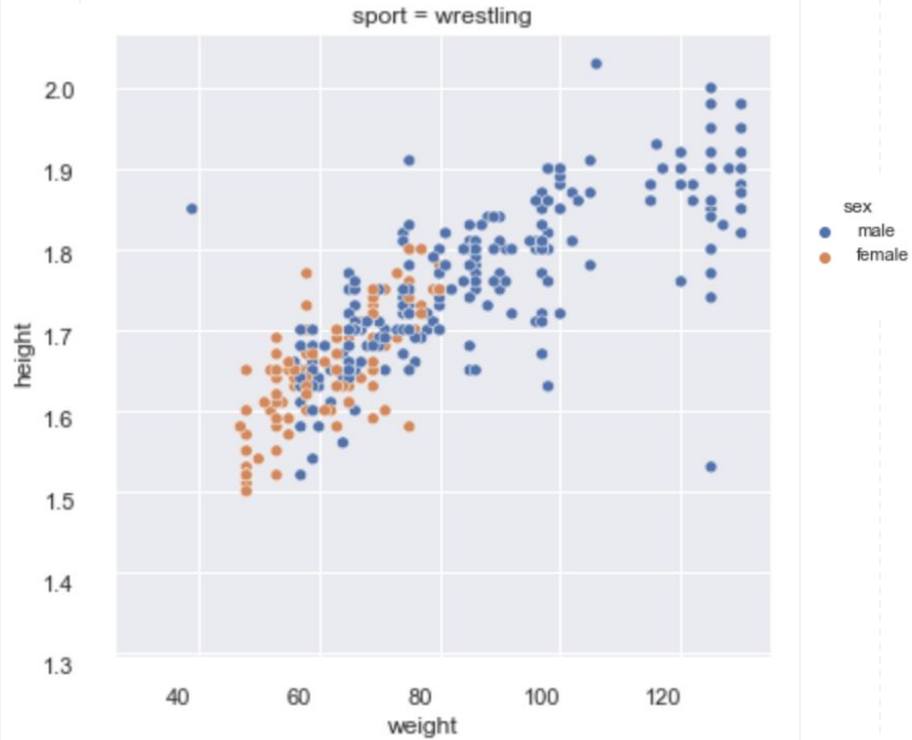
	id	nationality	sex	date_of_birth	height	weight	sport	gold	silver	bronze
0	736041664	ESP	male	1969-10-17	1.72	64.0	athletics	0	0	0
1	532037425	KOR	female	1986-09-23	1.68	56.0	fencing	0	0	0
2	435962603	CAN	male	1992-05-27	1.98	79.0	athletics	0	0	1
3	521041435	MDA	male	1991-01-02	1.83	80.0	taekwondo	0	0	0
4	33922579	NZL	male	1990-11-26	1.81	71.0	cycling	0	0	0



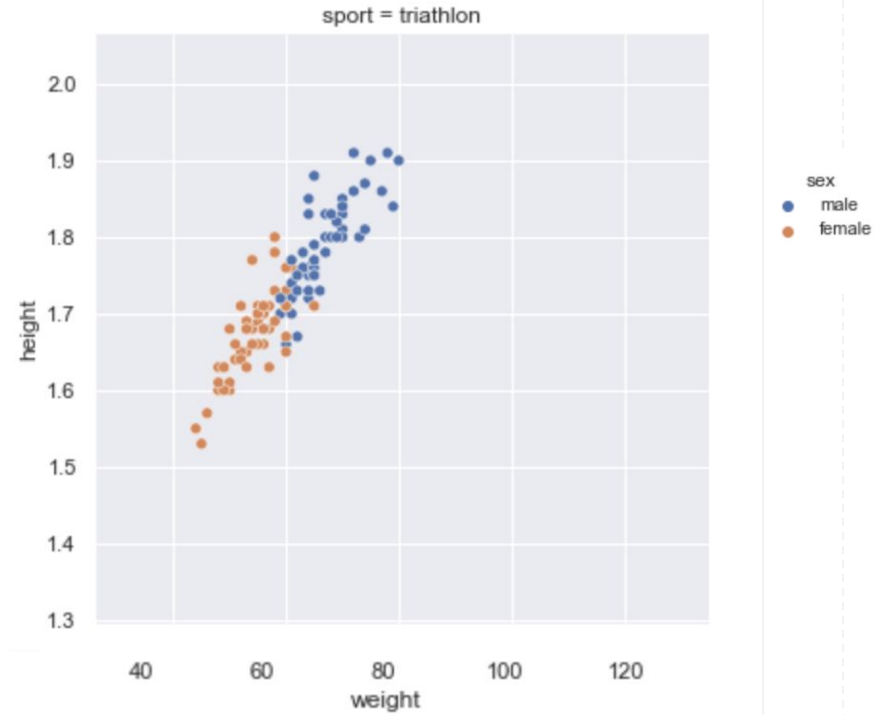
Notice: The change in heights/weights amongst Men/Women amongst Badminton athletes.



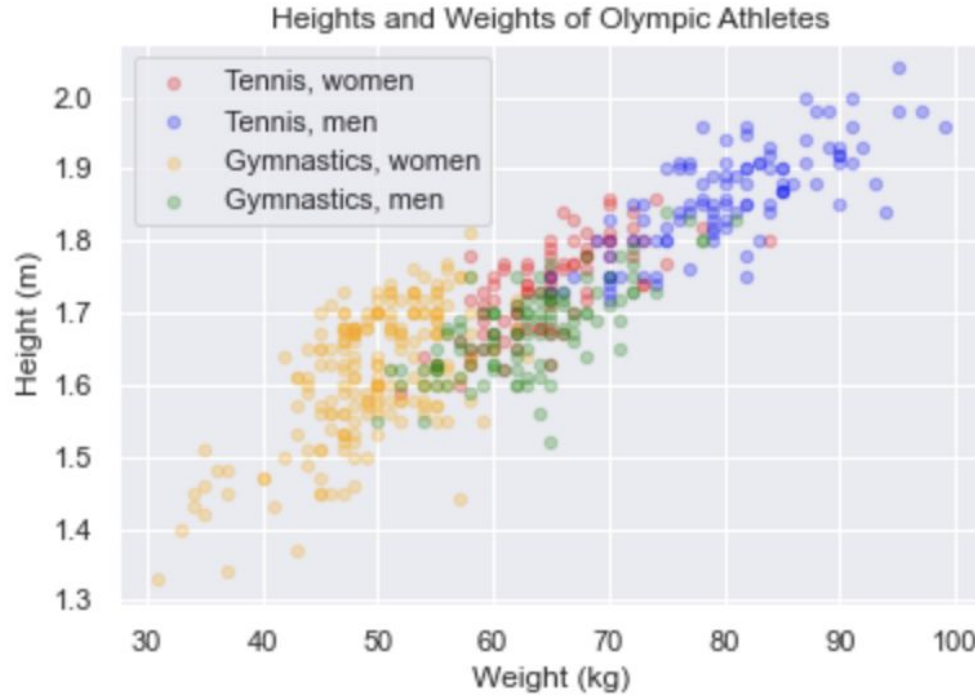
Notice: The change in heights/weights amongst Men/Women amongst Gymnastics athletes.



Notice: The change in heights/weights amongst Men/Women amongst Wrestling athletes.



Notice: The change in heights/weights amongst Men/Women amongst Triathlon athletes.



Notice: The change in heights/weights amongst Men/Women AND the difference between heights/weights amongst the different olympic sports (Tennis/Gymnastics).

Bottom line:

There are differences in heights and weights amongst, not only gender, but different olympic sport athletes.



THANKS!

Any questions?

