

Shannon Winchester

Analysis PDF

Height

Career Length

56

13

62

15

60

12

62

15

62

22

64

12

63

17

59

17

57

14

64

17

62

18

63

15

63

16

61

17

60

12

56

16

61

18

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14

63

20

64

19

62
21
64
19
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19
63
18
62
20
63
21
60
16
61
22
63
26
64
18

Purpose- I did this study to figure out if gymnasts heights have anything to do with how long they were in the sport for.

Sample- I chose 30 olympic/college gymnasts for this project. The population is all gymnasts in the world.

Method Of Collection- I used the internet to gather information. I used <https://www.biography.com>.

One of the extraneous factors I had to deal with was the parents heights. I could not control the heights of parents and these could be a very big factor. I also cannot control the gymnasts diets which can greatly affect the gymnast's height. Another issue I ran into was inaccurate data.

Since I did not get the data from the gymnasts themselves there is a chance that these can be inaccurate. In my research I found that there is a slight correlation between gymnasts' heights and how long they have been in the sport.

$r = 0.378$

$r\text{-squared} = 14.26\%$

Regression Equation = $57.02 + 0.257 \text{ career length}$