

Correlating Femur Length and Height



Lab # 13

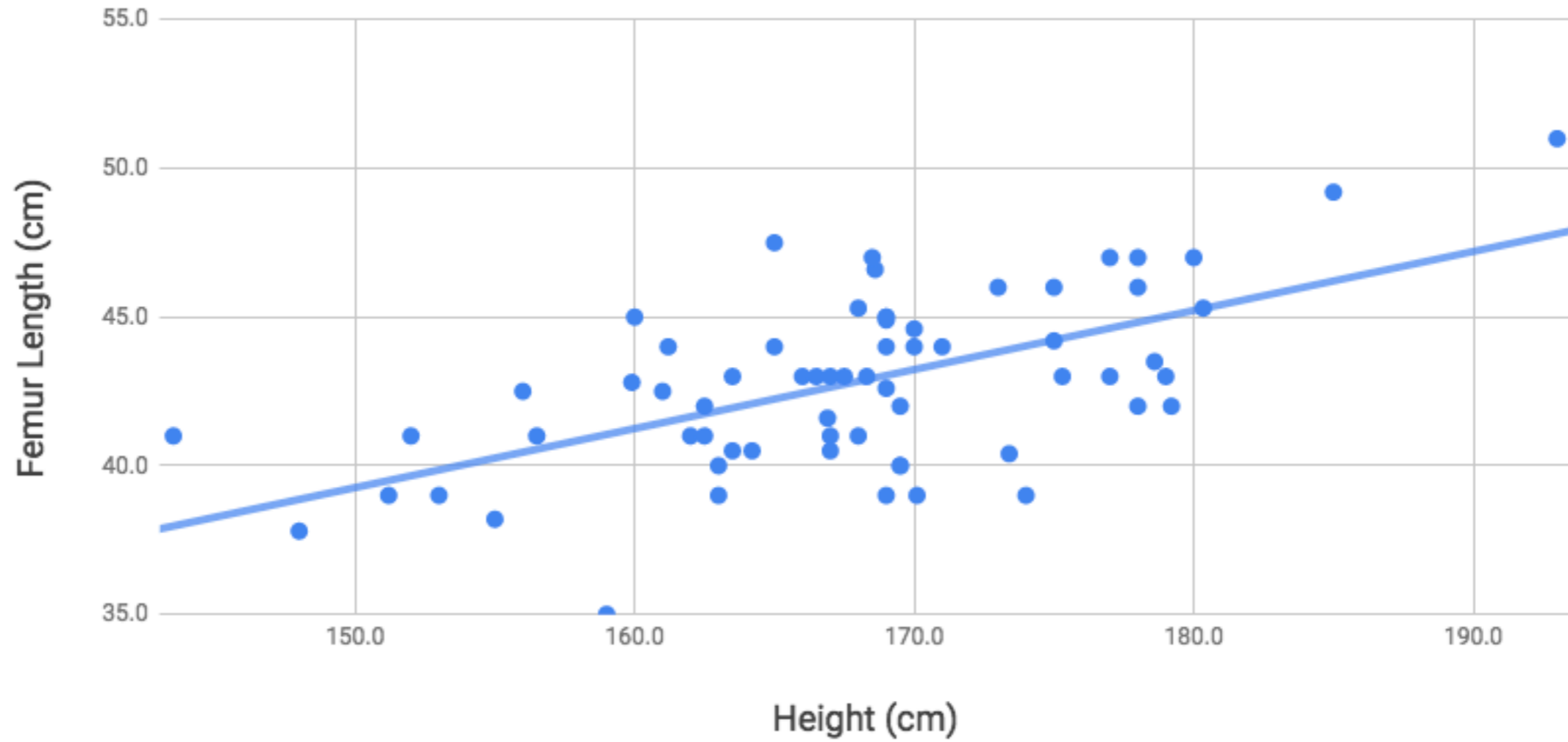
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Correlating Femur Length and Height

- **Question:** Are femur length and height correlated?
- **Prediction:**
- **Procedure:** measure the length of your femur from the greater trochanter to the lateral epicondyle in cm; measure height in cm; graph the data
- **Observations/Data:** data table
- **Graph:** femur length (Y axis) and height (X axis)
- **Analysis & Conclusion:** accept/reject hypothesis using DATA; 2 sources of potential error

Femur Length vs. Height

● — Trendline for series 1 $R^2 = 0.358$



Individual	Actual Height (cm)	Femur Length (cm)
1	166.4	43.3
2	170.2	46.3
3	175.3	47
4	195.6	49
5	182.9	45.5
6	162.6	45.5
7	168	41.5
8	150.5	40.5
9	154.4	43
10	156.2	45.5
11	164	45
12	160	42
13	164	46
14	190.5	52
15	162.6	44
16	162.6	39
17	190.5	46
18	163.2	39