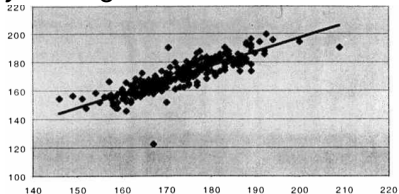


Does Armspan Predict Height?

y is height



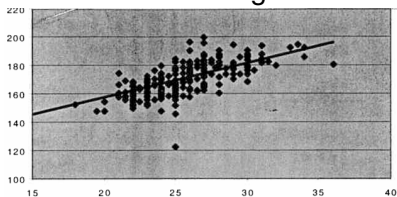
$$y = .9847x + .2357$$

$$R^2 = .7354$$

What else could predict height?

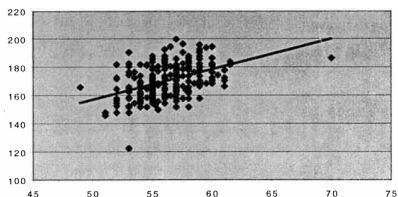
y is height in both cases

Shoe Length



$$y = 2.4042x + 109.23$$
$$R^2 = .4131$$

Head Circumference

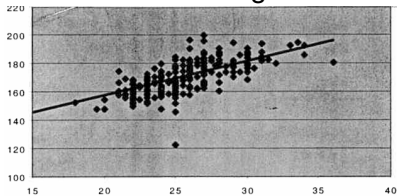


$$y = 2.1505x + 49.472$$
$$R^2 = .2129$$

What else could predict height?

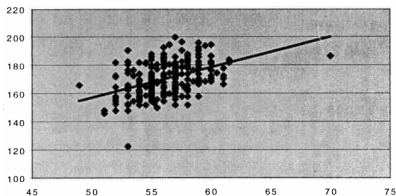
y is height in both cases

Shoe Length



$$y = 2.4042x + 109.23$$
$$R^2 = .4131$$

Head Circumference



$$y = 2.1505x + 49.472$$
$$R^2 = .2129$$

Say a break-in occurred. The perpetrator left a shoe print that was approximately 26 cm in length, and a head stocking was found near the scene that was stretched to a diameter of 18 cm (circumference = $\pi \times$ diameter). Use both pieces of information to come up with a prediction of the person's height.