

C. I would not charge since the deviations tretween each male height and the average made height would remain the same. Hence, the correlation will not tell you if nomen date men taller than themselves. d. I would equal I since there is a precise inear relationship. In this care made ht = female ht. + 3 (in.) e. r= 0.565, the same as b, 6. a. amt. of sugar b. $\Gamma = b_1 \times \frac{5x}{5x} = 7$ $b_1 = \Gamma_2 \cdot \frac{5y}{5x} = \frac{(0.372)(.26)}{16}$ => 5,=0.006045 to = y - b, x => bo = 1.93 - 1.006846)(35.4)
= 1.716 C. 9 = 1.716 + .606045x 7. a. y = time until child distracted b. r= 1 (2xi-yi - nxy) $= \frac{1}{242} \left(\frac{4762.8 - (293)(4.3)(6.92)}{(2.89)(3.77)} \right)$ = (-0.9525) C. This means there is a strong, negative relationship tuturen a child's TV watching

and their time until distraction.
d.
$$b_1 = \Gamma \times 5 \times = (-.9525)/2.84) = -.7175$$

 $b_0 = -\bar{y} - b_1\bar{x} = (6.92 - (-.7175)(4.3))$
 $= 10.01$
 $\Rightarrow g = 10.01 - .7175 \times$

e.
$$\dot{y} = 10.01 - .7175(4.5)$$

= 6.78 minutes

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