

HW 11 Solutions

Page 492.

9,10,11,12, 13,14,15,16, 25,26,27.

9. pairs.

10. scatterplot.

11. linear

12. linear

13. False.

14. True.

15. True.

16. False. Two correlated variables do not necessarily have a causal relationship.

25. positive.

16. negative.

17. positive.

Page 504.

5-11, 21.

5. explanatory, outcome (or response)

6. 0.

7. 15.

8. True.

9. True.

10. False.

11. False.

21. a. $\hat{y} = 2.7592 + 0.3991x$. You can use SPSS or other software to get the equation.

b. 0.10 which is obtained as $0.25 \cdot 0.3991$.

c. $\hat{y} = 2.7592 + 0.3991 \cdot 1.95 = 3.54$.