Lesson 4.1 Practice: Scatterplots and Association

School Launch · Statistics · Unit 4: Scatterplots, Correlation and Regression · Worksheet A

Calculator / tables

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Describe the direction of association: $(1, 24)$, $(3, 24)$, $(11, 10)$, $(13, 1)$, $(15, -2)$, $(16, -2)$. EASY

2. Describe the direction of association: $(1, 26)$, $(3, 20)$, $(7, 8)$, $(8, 3)$, $(9, 3)$, $(11, -1)$. EASY

3. Describe the direction of association: $(2, 22)$, $(6, 20)$, $(9, 9)$, $(12, 5)$, $(14, 3)$, $(17, -2)$. EASY

4. Describe the direction of association: $(7, 13)$, $(9, 10)$, $(11, 10)$, $(12, 3)$, $(17, -2)$, $(19, -6)$. MEDIUM

5. Describe the direction of association: $(5, 19)$, $(6, 21)$, $(8, 16)$, $(9, 9)$, $(11, 11)$, $(14, -1)$. MEDIUM

6. Describe the direction of association: $(1, 34)$, $(5, 41)$, $(9, 51)$, $(11, 50)$, $(18, 67)$, $(19, 65)$. MEDIUM

7. Describe the direction of association: $(6, 49)$, $(7, 53)$, $(10, 56)$, $(12, 68)$, $(15, 72)$, $(18, 86)$. MEDIUM

8. Describe the direction of association: $(5, 22)$, $(11, 8)$, $(15, -1)$, $(17, 0)$, $(18, -5)$, $(19, -7)$. HARD

9. Describe the direction of association: $(3, 39)$, $(5, 46)$, $(8, 51)$, $(13, 73)$, $(15, 77)$, $(17, 80)$. HARD

10. Describe the direction of association: $(1, 32)$, $(2, 27)$, $(3, 24)$, $(5, 18)$, $(8, 17)$, $(13, 4)$. HARD