Practice worksheet | Statistics and regression

Direction/form/strength of association

Name: _____ Date: _____

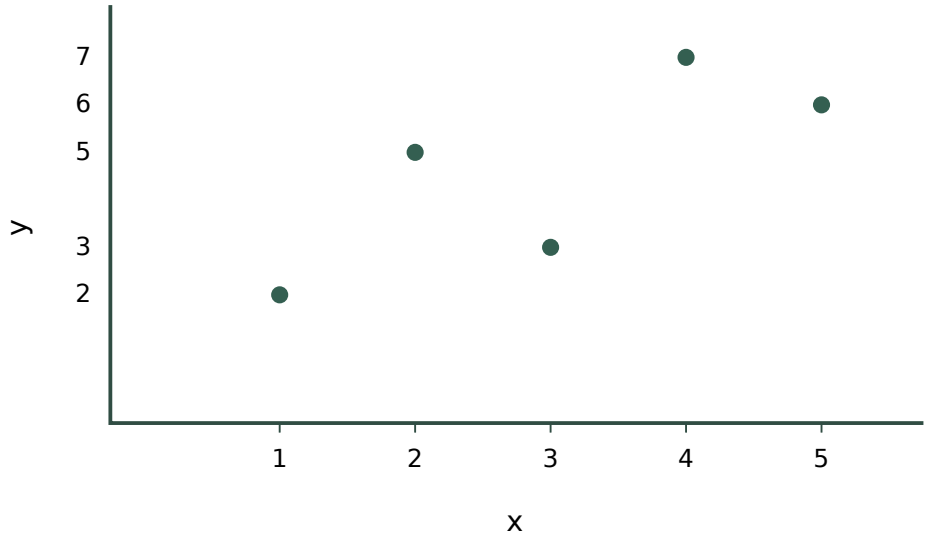
6 questions | 18 marks

1. Describe direction, form and strength for (1,10), (2,8), (3,6), (4,4). [3 marks]

Paired measurements

x	y
1	10
2	8
3	6
4	4

2. Describe the supplied pairs (1,2), (2,5), (3,3), (4,7), (5,6). [3 marks]



3. A scatter plot rises sharply but its points are widely scattered. Is “strong because it is steep” valid? [3 marks]

4. What form is suggested by (0,1), (1,2), (2,4), (3,8)? [3 marks]

Paired measurements

x	y
0	1
1	2
2	4
3	8

5. The U-shaped data (-2,4), (-1,1), (0,0), (1,1), (2,4) have r=0. Is there no relationship? [3 marks]

6. Two graphs show the same data but use centimetres and metres on the vertical axes. Should their correlation strengths differ? [3 marks]