

2 Scatterplots and correlation — Part 1

— Answers

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Work through these after you have tried the questions yourself.

2.1 the pattern between two variables, by plotting each pair of values as a dot.

2.2 positive: as one variable rises, the other rises; negative: as one rises, the other falls.

2.3 a strong positive linear relationship (the points lie close to an upward line).

2.4 there is no clear linear relationship between the two variables.

2.5 a third factor (hot weather) causes both more ice-cream sales and more sun exposure, so the link is not cause and effect.