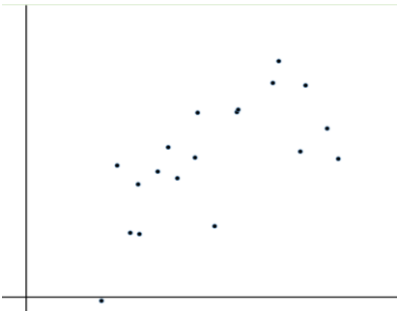## Section 3: Bivariate data

Exercise level 1

1. Match the scatter diagrams with their descriptions.

	negative correlation
	no correlation
	weak positive correlation
	strong positive correlation

Collecting and processing data 2 Exercise

2. Four scatter diagrams are shown below. In each case, an **incorrect** line of best fit has been drawn. For each scatter diagram, say what is wrong with the line of best fit.
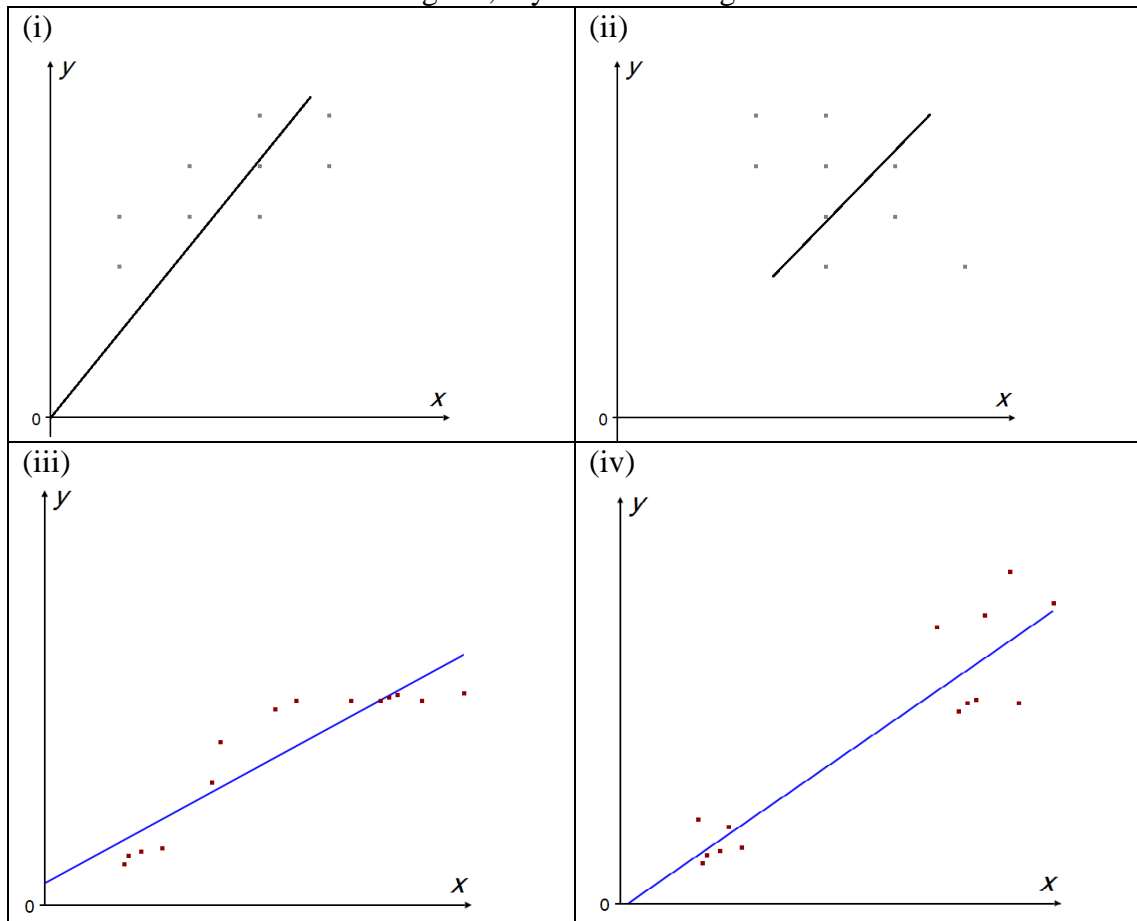
3. The scatter diagram below shows the relationship between CO_2 emissions for each km of driving and the cost of fuel for 12 000 miles of driving for a random sample of cars.
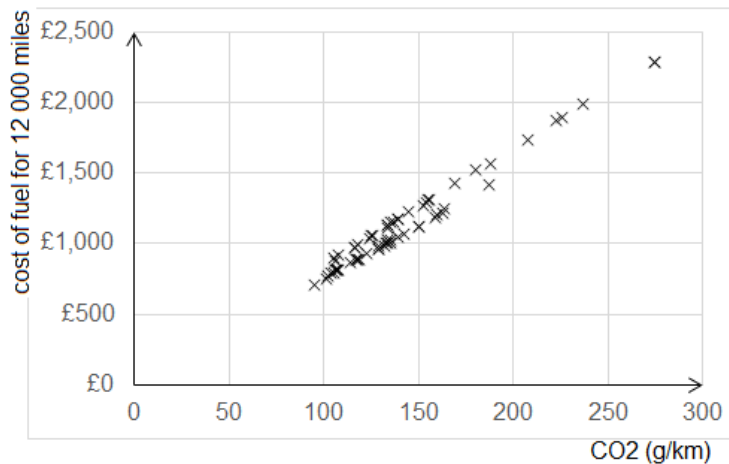
(i) What kind of correlation is shown in the scatter diagram?

(ii) There seem to be two lines of points in the scatter diagram. Give a possible reason for this.