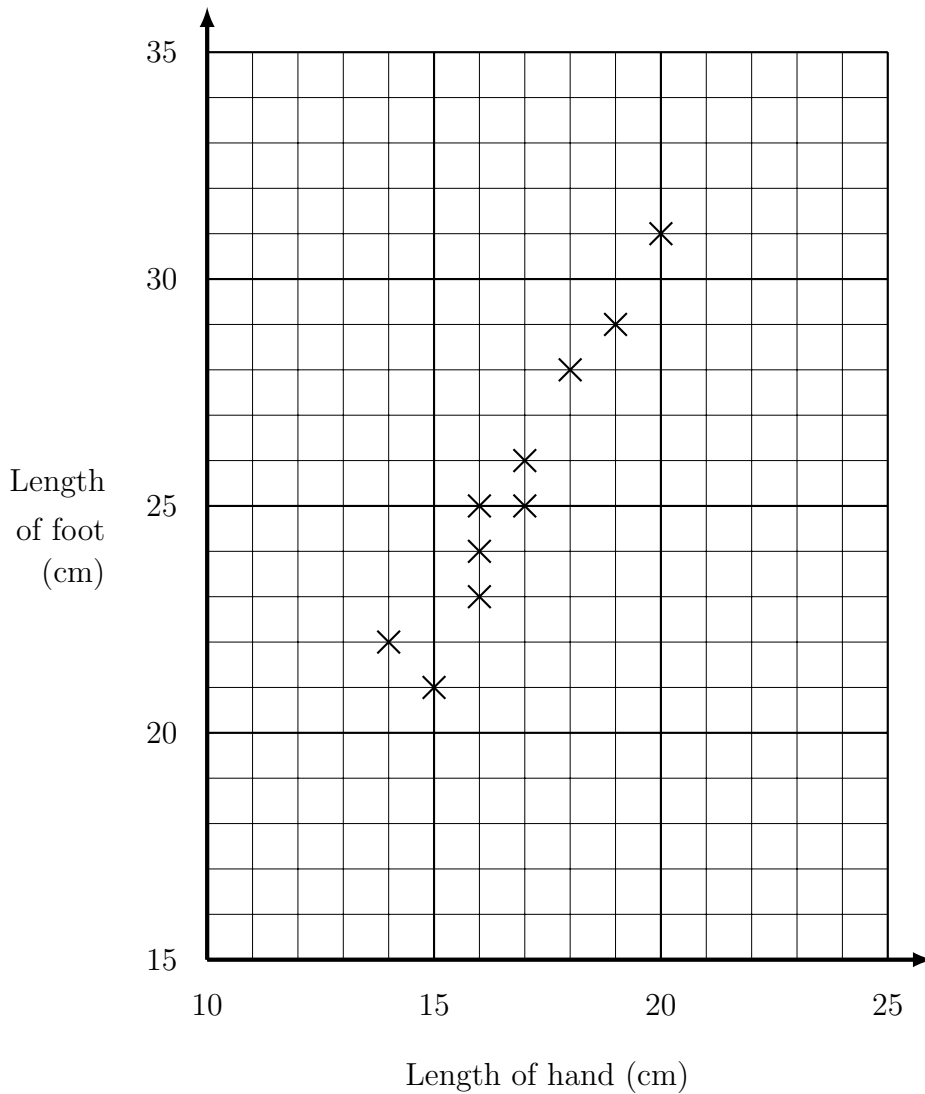1. The scatter graph shows some information about 11 players in a football team

   For each player it shows the hand and the foot length in centimetres



   The table gives the hand and foot lengths of the 3 substitutes.

| Length of hand (cm) | 17 | 13 | 15 |
|---------------------|----|----|----|
| Length of foot (cm) | 30 | 24 | 24 |

   (a) Complete the scatter graph to show the information in the table.

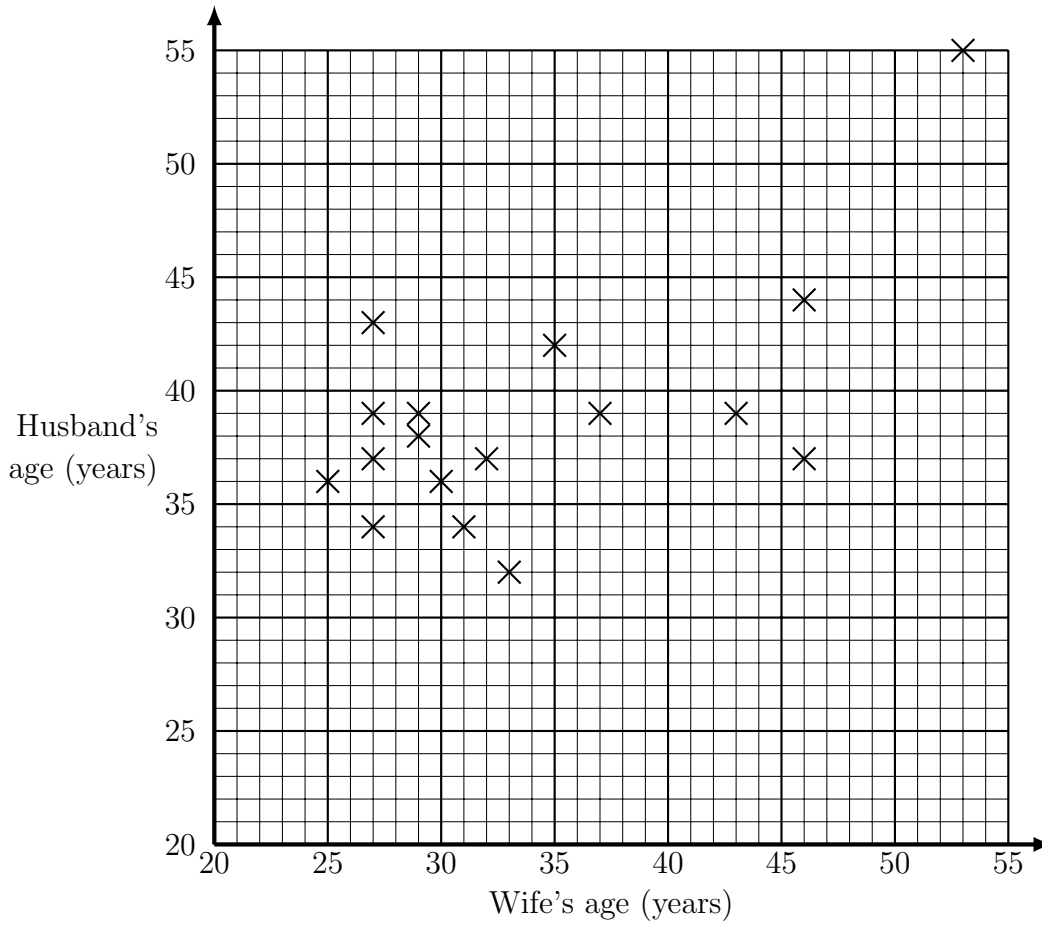   (b) What kind of correlation does the scatter graph show?

   (b) . . . . . . . . . . . .

   A substitute player for the team has a hand length of 15 cm.

   (c) Estimate this players foot length

   . . . . . . . . . . . . cm

2. The scatter graph shows the ages on marriage in 2015 of some celebrity wives and husbands.



The actress Cameron Diaz, aged 43 married Benji Madden in 2015.

Cameron is 7 years older than her husband.

(a) Add this information to the scatter graph.

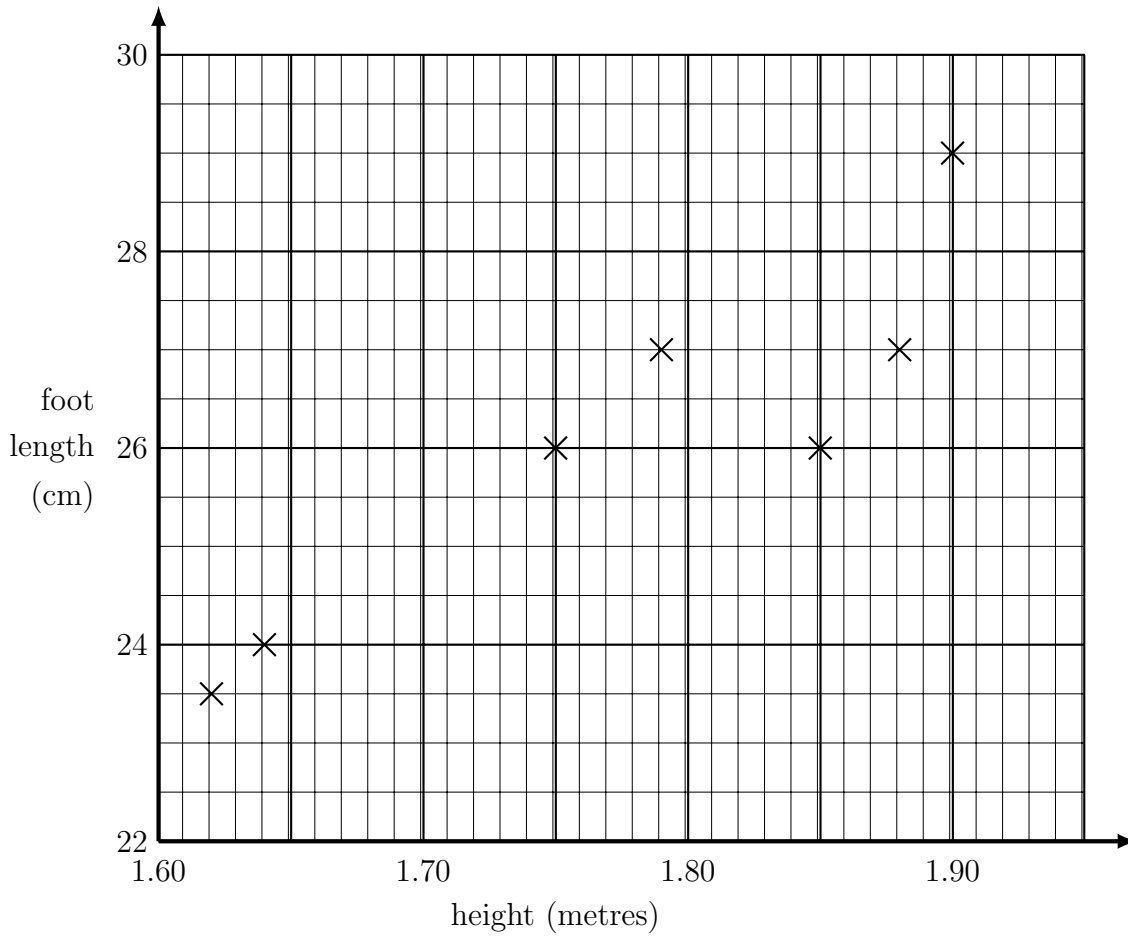(b) What kind of correlation does the scatter graph show?

(b) ............

A new celebrity marriage is announced and the celebrity wife is 41 years old.

(c) Estimate the age of the celebrity husband.

(c) ............

3. The scatter graph shows some information about the height and foot length of 9 boys in the same form group. It shows their height, in metres and their foot length in centimetres.



The table gives the height in metres and the foot length of 2 more boys in the form.

| height (metres) | 1.87 | 1.67 |
| --- | --- | --- |
| foot length (cm) | 29 | 25 |

(a) Complete the scatter graph to show the information in the table.

(b) What kind of correlation does the scatter graph show?

(b) . . . . . . . . . . . . .

Imran is in the same form.
He is 1.71 metres tall.

(c) Estimate Imran's foot length.

. . . . . . . . . . . . . cm