Correlation study

**CORRELATION STUDY**

1. A team of psychologists are conducting an investigation to see if there is a correlation between the amount of self-reported exercise that a child does in a week and how much exercise is done by their mother. The mothers and their children were chosen by using a systematic sample in a primary school. The psychologists then displayed the amount of exercise that the mothers and children do in a week in a scattergraph (see below).

200

#### 180

Amount of self-reported exercise

(minutes per week) - Children

160

140

120

100

80

60

40

20

0

0 100 200 300

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| --- |
|  |

Amount of self-reported exercise