Correlation study

1. A psychologist conducted a correlation between age and the amount of sleep required. The psychologist asked an opportunity sample of friends and family members to estimate the amount of sleep they had during the previous night to the nearest hour. The psychologist also noted their age in years. The psychologist then plotted the information on the scattergraph below.

12

10

**No. of hours slept**

8

6

4

2

0

0 20 40 60 80 100

**Age (Years)**

|  |
| --- |
|  |

 (PY2, Summer 2012)