

A.P. Statistics
Assignment 2-2

Remember to show your thinking through your work.

1) The table below shows the Men's 800 Meter Run World Records:

<u>Year</u>	<u>Record</u>
1905	113.4
1915	111.9
1925	111.9
1935	109.7
1945	106.6
1955	105.7
1965	104.3
1975	104.1
1985	101.73
1995	101.73

Construct a scatterplot (be sure to clearly label and scale your axes). Then answer the following:

(a) What is the label for the horizontal axis?

<type answer here>

(b) What is the label for the vertical axis?

<type answer here>

(c) What is the scale for the horizontal axis?

<type answer here>

(d) What is the scale for the vertical axis?

<type answer here>

(e) What pattern does the scatterplot reveal (use details and complete sentences)?

<type answer here>

- 2) The weights of children in the Egyptian village of Nahya were recorded. Here are the mean weights of the 170 children in that village:

Age in months	1	2	3	4	5	6	7	8	9	10	11	12
Weight in kg	4.3	5.1	5.7	6.3	6.8	7.1	7.2	7.2	7.2	7.2	7.5	7.8

Construct a scatterplot (be sure to clearly label and scale your axes). Then answer the following:

- (a) What is the label for the horizontal axis?

<type answer here>

- (b) What is the label for the vertical axis?

<type answer here>

- (c) What is the scale for the horizontal axis?

<type answer here>

- (d) What is the scale for the vertical axis?

<type answer here>

- (e) What pattern does the scatterplot reveal (use details and complete sentences)?

<type answer here>