

The revenues of Google are shown in the following table for various years. Let r be the revenue (in millions of dollars) in the year that is t years since 1995.

Year	Revenue (millions of dollars)
1999	0.2
2000	19.1
2001	86.4
2002	347.8
2003	961.9

a) Create a scattergram of the data.

<p>Clearly define your variables.</p> <p>Identify the independent and dependent variables.</p> <p>Translate the data so it corresponds to your variable definitions.</p> <p>Write out the ordered pairs.</p> <p>What should each tick mark of your horizontal axis represent?</p> <p>What should each tick mark of your vertical axis represent?</p>	
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b) Did the revenue increase, decrease, stay approximately constant, or none of these? Explain.

- What are you looking at to determine the answer to this question?

c) Did the annual increase in the revenue increase, decrease, stay approximately constant, or none of these? Explain.

- What are you looking at to determine the answer to this question?

The average times that mothers spend doing paid work per week are shown in the table below for various years. Let t be the average time (in hours) that mothers spend doing paid work per week at t years since 1960.

Year	Average Time (hours)
1965	9
1975	16
1985	21
1995	26
2003	22

- a) Create a scattergram of the data.

<p>Clearly define your variables.</p> <p>Identify the independent and dependent variables.</p> <p>Translate the data so it corresponds to your variable definitions.</p> <p>Write out the ordered pairs.</p> <p>What should each tick mark of your horizontal axis represent?</p> <p>What should each tick mark of your vertical axis represent?</p>	
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- b) For which of the years shown in the table was the average time that mothers spent doing paid work the greatest? What was the average time? Write your answers in complete sentences.
- c) For which of the years shown in the table was the average time that mothers spent doing paid work the least? What was the average time? Write your answers in complete sentences.