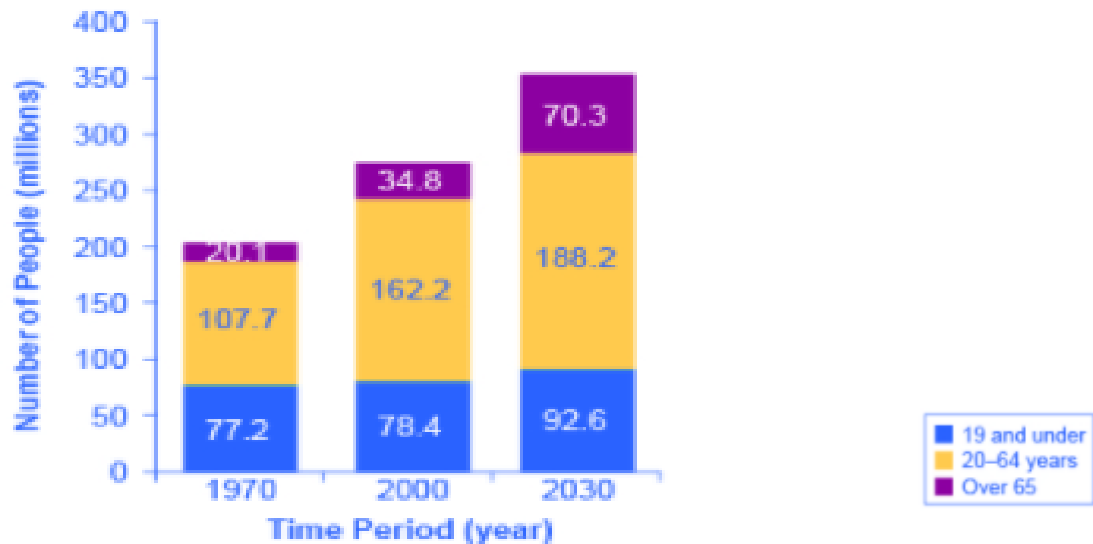


Gr 12 Multiple relationships

Question 1

Study the graph below and answer the following questions.



(b) Bars show total population divided into age groups

<https://courses.lumenlearning.com/suny-microeconomics/chapter/reading-types-of-graphs/>

(a)

Name the type of graph

memo

Stack bar graph

(b)

Determine the percentage growth of age group 19 years and under between 1970 and 2000.

memo

$$\frac{78,4 - 77,2}{77,2} \times 100\% = 1,6\%$$

(c)

Determine the percentage growth of age group between 20 to 64 years between 1970 and 2000.

memo

$$\frac{162,2 - 107,7}{107,7} \times 100\% = 50,6\%$$

(d)

Determine the percentage growth of age group 65 years and over between 1970 and 2000.

memo

$$\frac{34,8 - 20,1}{20,1} \times 100\% = 73,1\%$$

(e)

What conclusions can you draw from the graph?

memo

Percentage wise are there more older people as in the past. Medication and hospitalization improved.

(f)

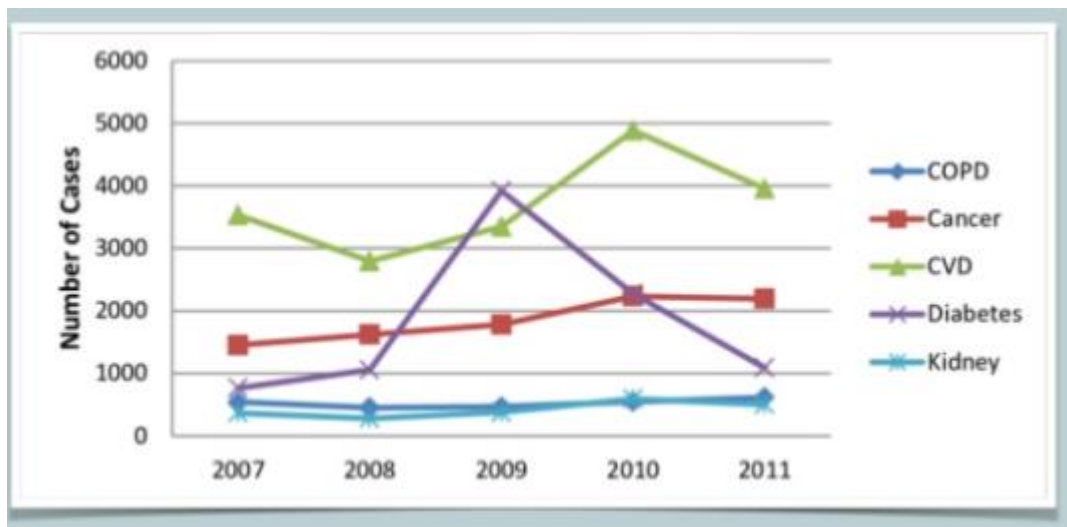
Why do you think this graph is wrong for 2030.

memo

They didn't foresee the covid pandemic.

## Question 2

Study the multiple relationship graph below and answer the following questions:



<https://www.slideshare.net/safwanb/using-line-graphs-in-technical-writing>

Chronic obstructive pulmonary disease: COPD

Cardiovascular disease: CVD

(a)

What is the use of the multiple relationship graphs

memo

One can compare the lines and can see what the different trends are.

(b)

What disease had the highest cases in 2010?

memo

Cardiovascular disease: CVD

(c)

In your opinion, what was the possible reasons for the reduction to in CVD's between 2010 and 2011.

memo

There was greater awareness of the risks of CVD and the need for healthier life styles.

More effective medicin for preventing and treating CVD.

(d)

What is the general trend in the prevalance of cancer in the above graph

memo

It increased between 2007 to 2010 by approximately 1 000 cases per annum after which it stabalized at a level of approximately 2000 cases per annum.