

# BUSINESS MATHEMATICS

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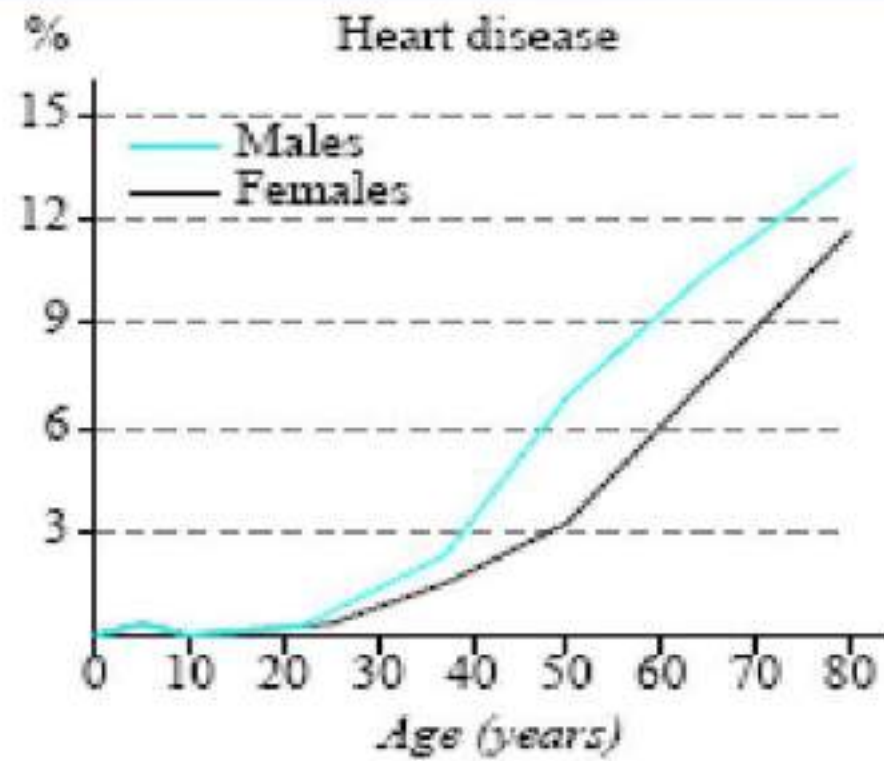
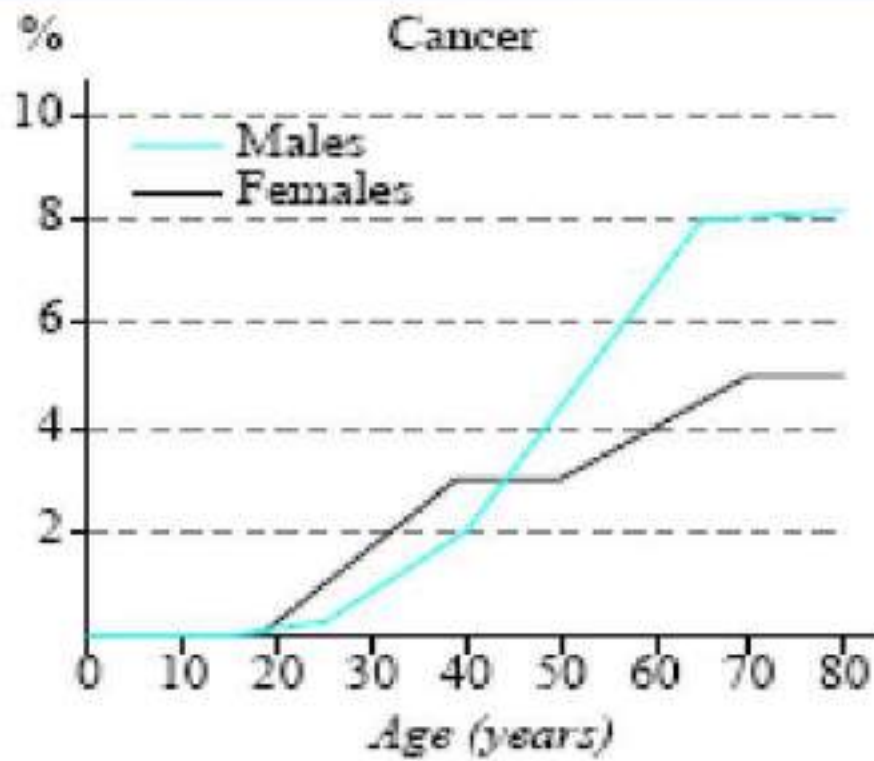
# BUSINESS MATHEMATICS & STATISTICS

The background features a dark blue gradient with several faint, semi-transparent circular gauges and arrows. One large gauge on the left has a scale from 140 to 260. Other gauges are scattered across the scene, some with arrows indicating clockwise or counter-clockwise rotation. The overall aesthetic is technical and data-oriented.

# MEASURE OF CENTRAL TENDENCY

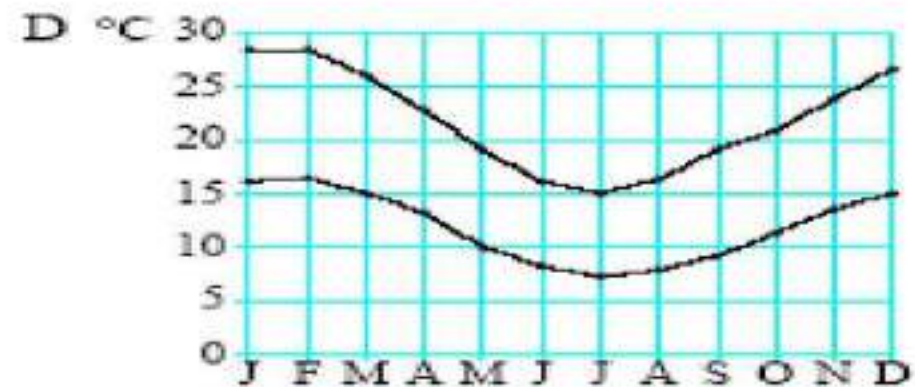
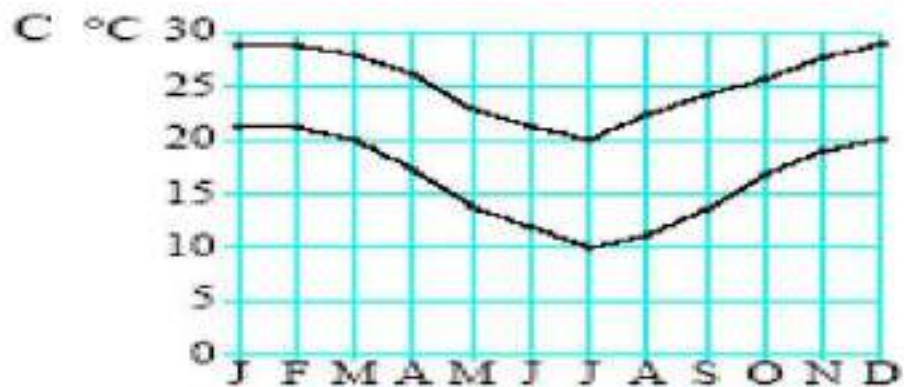
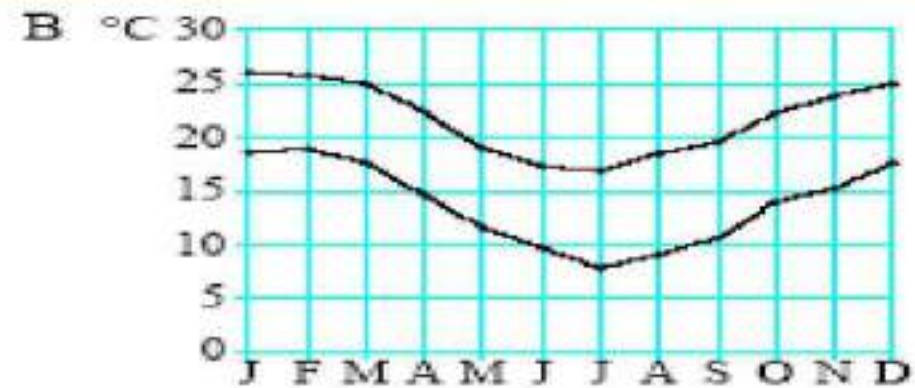
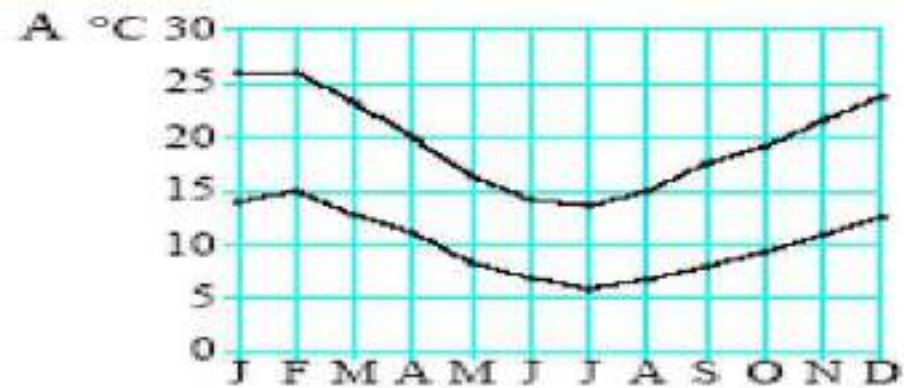
# LINE GRAPHS

## Causes of death



# LINE GRAPHS

Temperature of cities A, B, C and D



# MEAN

The most common average is the mean. The mean is used for things like marks and scores (e.g. sport), and is found by adding all the scores and dividing by the number of scores.

## Marks

58 69 73 67 76 88 91 and 74 (8 marks).

Sum = 596

Mean =  $596/8 = 74.5$

**Affected by extreme values**

# MEDIAN

Another typical value is the median. The median is the middle value when the data are arranged in order.

The median is easier to find than the mean, and unlike the mean it is not affected by values that are unusually high or low

3 6 11 14 **19** 19 21 24 31

The median is the middle score, or the **mean of the two middle scores**, when the scores are placed in order

# MODE

The most common score in a set of scores is called the mode.

There may be more than one mode, or no mode at all

2 2 1 2 0 3 2 1 1 4 1 1 1 2 2 0 3 2 1

The mode, or most common value, is 1.



The background is a dark blue gradient with faint white circular patterns, including a large circular scale on the left with numbers from 140 to 260 and several smaller circular diagrams with arrows. The text 'THANK YOU' is prominently displayed in white on the right side.

**THANK YOU**