EXAMPLE 6

Analyzing an Actuarial Graph

Discuss the actuarial graph. Does it seem reasonable for life expectancy in America today?





SOLUTION

The graph shows several things.

- As a person gets older, the probability that the person will die during the year increases.
- Males have a slightly greater probability of dying than females. For instance, at age 90, a male has a 17% chance of dying during the year, while a female has only a 14% chance of dying during the year.

The graph seems reasonable for life expectancy in America today.



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