

Answer on Question #55383 – Math – Statistics and Probability

Question

Over the last 10 years, the average number of deaths due to accidents involving a certain commercial airline has been about 29 per year. Over the same period, the average number of passengers of the airline has been more than 4.8 million per year. Estimate the probability of dying on a particular flight

Solution

$$P = \frac{m}{n} = \frac{29}{4800000} = 0,00000604167.$$

Answer: because average number of passengers of the airline has been more than 4.8 million per year, the probability of dying on a particular flight is less than 0,00000604167.