Answer on Question #82853 – Math – Statistics and Probability

Question

The Gaussian density function is commonly used in engineering statistics. This function is defined in the following equation:

$$f(x) = \frac{1}{\sqrt{2\pi}\sigma} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$

where **x** is a normally distributed random variable,
μ is the average value of a normally distributed random variable,
σ² is the variance.

Answer:

$$f(x) = \frac{1}{\sqrt{2\pi}\sigma} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$