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# Gaussian Kernel

National Cancer Institute

## Source

National Cancer Institute. *Gaussian Kernel*. NCI Thesaurus. Code C79422.

A kernel function described by the equation:  $((2\pi)^{-0.5}) * \exp(-u^2/2)$  with  $u=(x-x_i)/h$ , where  $h$  is the window width and  $x_i$  are the values of the independent variable in the data, and  $x$  is the value of the independent variable for which one seeks an estimate.