

KERNEL FUNCTIONS

DEFINE $u = \frac{x_i - \mu}{\sigma}$

	$-1 < u < 1$	$ u \geq 1$
Quartic Kernel	$\frac{15}{16}(1 - u^2)^2$	0
Gaussian Kernel	$\frac{1}{\sqrt{2\pi}} \exp\left(-\frac{u^2}{\sigma}\right)$	
Rectangular Kernel	$\frac{1}{2}$	0
Triangular Kernel	$1 - u $	0
Epanechnikov Kernel	$\frac{3}{4}(1 - u^2)$	0