

FREQUENTLY USED CRITICAL VALUES OF Z

Significance Level (α)	Confidence Level ($1 - \alpha$)	One-Tailed Test	Two-Tailed Test
$\alpha = 0.01$	99%	$Z_{\alpha} = 2.33$	$Z_{\alpha/2} = 2.58$
$\alpha = 0.02$	98%	$Z_{\alpha} = 2.05$	$Z_{\alpha/2} = 2.33$
$\alpha = 0.03$	97%	$Z_{\alpha} = 1.88$	$Z_{\alpha/2} = 2.17$
$\alpha = 0.04$	96%	$Z_{\alpha} = 1.75$	$Z_{\alpha/2} = 2.05$
$\alpha = 0.05$	95%	$Z_{\alpha} = 1.65$	$Z_{\alpha/2} = 1.96$
$\alpha = 0.06$	94%	$Z_{\alpha} = 1.55$	$Z_{\alpha/2} = 1.88$
$\alpha = 0.07$	93%	$Z_{\alpha} = 1.48$	$Z_{\alpha/2} = 1.81$
$\alpha = 0.08$	92%	$Z_{\alpha} = 1.41$	$Z_{\alpha/2} = 1.75$
$\alpha = 0.09$	91%	$Z_{\alpha} = 1.34$	$Z_{\alpha/2} = 1.70$
$\alpha = 0.10$	90%	$Z_{\alpha} = 1.28$	$Z_{\alpha/2} = 1.65$