

All Greek to me!

Name	lower case	common uses	upper case	common uses
alpha	α	significance level; Fisher's diversity measure	Λ	
beta	β	diversity among sites; regression coefficient	B	
gamma	γ	probability of colonisation	Γ	
delta	δ	difference in values (usually small)	Δ	difference in values (often big)
epsilon	ϵ, ε	error term (residual); probability of extinction	E	
zeta	ζ		Z	
eta	η		H	
theta	θ, ϑ	any parameter, or all parameters of a model	Θ	a vector or array of parameter values.
iota	ι		I	
kappa	κ, κ		K	
lambda	λ	parameter of Poisson distribution	Λ	
mu	μ	population mean	M	
nu	ν	degrees of freedom	N	
xi	ξ		Ξ	
omicron	\omicron		O	
pi	π	area/radius ² of circle; probability or proportion	Π	product symbol
rho	ρ, ϱ	correlation coefficient	P	
sigma	σ, ς	population standard deviation	Σ	summation symbol
tau	τ	precision ($1/\sigma^2$); population total	T	
upsilon	υ		Υ, Y	
phi	ϕ, φ	probability of survival	Φ	
chi	χ	chi-squared distribution	X	
psi	ψ	probability of occupancy	Ψ	
omega	ω		Ω	