

Table 1: Implemented GAMLSS distributions (with default link functions)

Distributions	R Name	μ	σ	ν	τ
Beta	BE()	logit	logit	-	-
Beta Binomial	BB()	logit	log	-	-
Beta Inflated (at 0)	BEOI()	logit	log	logit	-
Beta Inflated (at 1)	BEZI()	logit	log	logit	-
Beta Inflated (at 0 and 1)	BEINF()	logit	logit	log	log
Binomial	BI()	logit	-	-	-
Box-Cox Cole and Green	BCCG()	identity	log	identity	-
Box-Cox Power Exponential	BCPE()	identity	log	identity	log
Box-Cox- t	BCT()	identity	log	identity	log
Delaporte	DEL()	log	log	logit	-
Exponential	EXP()	log	-	-	-
Exponential Gaussian	exGAUS()	identity	log	log	-
Gamma	GA()	log	log	-	-
Generalized Gamma	GG()	log	log	identity	-
Generalized Inverse Gaussian	GIG()	log	log	identity	-
Gumbel	GU()	identity	log	-	-
Inverse Gaussian	IG()	log	log	-	-
Johnson's SU (μ the mean)	JSU()	identity	log	identity	log
Johnson's original SU	JSUo()	identity	log	identity	log
Logistic	LO()	identity	log	-	-
Log Normal	LOGNO()	log	log	-	-
Log Normal (Box-Cox)	LNO()	log	log	fixed	-
Negative Binomial type I	NBI()	log	log	-	-
Negative Binomial type II	NBII()	log	log	-	-
NET	NET()	identity	log	fixed	fixed
Normal	NO()	identity	log	-	-
Normal family	NOF()	identity	log	identity	-
Poisson	PO()	log	-	-	-
Poisson inverse Gaussian	PIG()	log	log	-	-
Power Exponential	PE()	identity	log	log	-
Reverse Generalized Extreme	RGE()	identity	log	log	-
Reverse Gumbel	RG()	identity	log	-	-
Skew Power Exponential	SEP()	identity	log	identity	log
Shash	SHASH()	identity	log	log	log
Sichel	SI()	log	log	identity	-
Sichel (μ the mean)	SICHEL()	log	log	identity	-
Skew t type 3	ST3()	identity	log	identity	log
t Family	TF()	identity	log	log	-
Weibull	WEI()	log	log	-	-
Weibull (PH)	WEI2()	log	log	-	-
Weibull (μ the mean)	WEI3()	log	log	-	-
Zero inflated poisson	ZIP	log	logit	-	-
ZIP (μ the mean)	ZIP2	log	logit	-	-
Zero adjusted IG	ZAIG	log	log	logit	-